

ADVANCED SEMICONDUCTOR ENGINEERING INC  
Form F-4/A  
January 16, 2018

**As filed with the Securities and Exchange Commission on January 16, 2018**

**Registration No. 333-214752**

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

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**Amendment No. 5**

**To**

**Form F-4**

**REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

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*(Exact Name of Registrant as Specified in Its Charter)*

**Advanced Semiconductor Engineering, Inc.**

*(Translation of Registrant's name into English)*

**Republic of China**

*(State or Other Jurisdiction of  
Incorporation or Organization)*

**3674**

*(Primary Standard Industrial  
Classification Code Number)*

**Not Applicable**

*(I.R.S. Employer  
Identification Number)*

**26 Chin Third Road**

**Nantze Export Processing Zone**

**Nantze, Kaohsiung, Taiwan**

**Republic of China**

*(Address, including zip code, and telephone number, including area code, or registrant's principal executive offices)*

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**Cogency Global Inc.**

**10 E. 40th Street, 10th floor**

**New York, NY 10016**

**1 (800) 221 0102**

*(Name, address, including Zip code, and telephone number, including area code, of agent for service)*

*(Exact Name of Registrant as Specified in Its Charter)*

**Siliconware Precision Industries Co., Ltd.**

*(Translation of Registrant's name into English)*

**Republic of China**

*(State or Other Jurisdiction of Incorporation or Organization)*

**3674**

*(Primary Standard Industrial Classification Code Number)*

**Not Applicable**

*(I.R.S. Employer Identification Number)*

**No. 123, Sec. 3, Da Fong Road**

**Tantzu, Taichung, Taiwan**

**Republic of China**

*(Address, including zip code, and telephone number, including area code, or registrant's principal executive offices)*

**Law Debenture Corporate Services Inc.**

**801 2nd Avenue, Suite 403**

**New York, NY 10017**

**1 (646) 747-1265**

*(Name, address, including Zip code, and telephone number, including area code, of agent for service)*

**Copies to:**

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Davis Polk & Wardwell LLP  
c/o 18th Floor, The Hong Kong Club Building**

**3A Chater Road**

**Hong Kong**

**Chris K.H. Lin**

**Simpson Thacher & Bartlett**

**ICBC Tower, 35th Floor**

**3 Garden Road, Central**

**Hong Kong**

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**Approximate date of commencement of proposed sale to the public:** As soon as practicable after this Registration Statement becomes effective and the consummation of the share exchange described herein.

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If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If applicable, place an X in the box to designate the appropriate rule provision relied upon in conducting this transaction:

Exchange Act Rule 13e-4(i) (Cross-Border Issuer Tender Offer)

Exchange Act Rule 14d-1(d) (Cross-Border Third-Party Tender Offer)

**CALCULATION OF REGISTRATION FEE**

Title Of Each Class Of Securities To Be Registered	Amount To Be Registered	Proposed Maximum Offering Price Per Unit(1)	Proposed Maximum Aggregate Offering Price(1)	Amount Of Registration Fee
Common Shares of ASE Industrial Holding Co., Ltd., par value NT\$10 per share (1)	829,328,460(2)	Not Applicable	\$2,102,328,307.99(2)(3)	\$272,440.73(4)

(1) American depositary shares issuable upon deposit of the shares registered hereby have been registered under a separate registration statement on Form F-6 (Registration No. 333-214753). Each American depositary share will represent 2 common shares of ASE Industrial Holding Co., Ltd.

(2) Based upon the estimated number of common shares of ASE Industrial Holding Co., Ltd. that may be issued to U.S. holders of the common shares of ASE in connection with the share exchange described herein, using the share exchange ratios described herein. This estimate is based upon (a) the actual number of shares of the common shares represented by outstanding American depositary shares of ASE as of August 15, 2017, and (b) the estimated number of shares of common shares of Advanced Semiconductor Engineering, Inc. (excluding shares represented by American depositary shares but including the number of shares of ASE Industrial Holding Co., Ltd. that may be sold in the Taiwanese market in respect of the fractional shares that otherwise would be received by U.S. holders of ASE's common shares in the share exchange) as of August 15, 2017, the most recent date for which information with respect to U.S. resident holders can be determined. The securities to be issued in connection with the transaction outside of the United States are not registered under this registration statement.

(3) Pursuant to Rule 457(f) under the Securities Act of 1933, the filing fee was calculated based on the market value of the securities of ASE to be exchanged in the share exchange described herein for securities of ASE Industrial Holding Co., Ltd., calculated pursuant to Rule 457(c) by taking the average of the high and low prices per share of ASE's common shares as reported on the Taiwan Stock Exchange as of January 9, 2018 (converted into U.S. dollars based on NT\$29.47 = US\$1.00, which is the exchange rate set forth in the H.10 statistical release of the Federal Reserve Board as in effect on January 5, 2018, the latest available exchange rate set forth in the H.10 statistical release of the Federal Reserve Board) multiplied by 1,658,656,920, which is the total number of shares of ASE's common shares held of record by U.S. holders on August 15, 2017, the most recent date for which information

with respect to ASE's U.S. record holders can be determined, and multiplying the result by 0.0001245.

- (4) ASE previously paid a registration fee of US\$222,019.64 in connection with the initial filing of the registration statement on Form F-4 (No. 333-214752) previously filed on November 22, 2016.

**The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.**

The information in this proxy statement/prospectus is subject to completion and amendment. A registration statement relating to the securities described in this proxy statement/prospectus has been filed with the Securities and Exchange Commission. These securities may not be sold nor may offers to buy these securities be accepted prior to the time the registration statement becomes effective. This proxy statement/prospectus shall not constitute an offer to sell or the solicitation of any offer to buy nor shall there be any sale of these securities in any jurisdiction, in which such offer, solicitation or sale would be unlawful prior to registration under the securities laws of any such jurisdiction.

## **PROXY STATEMENT/PROSPECTUS FOR THE PROPOSED SHARE EXCHANGE**

### **—YOUR VOTE IS IMPORTANT**

Dear ASE Shareholders:

We are pleased to report that Advanced Semiconductor Engineering, Inc. (“ASE”) and Siliconware Precision Industries Co., Ltd. (“SPIL”) have entered into a joint share exchange agreement on June 30, 2016 and as supplemented by a supplemental agreement dated December 14, 2017 (the “Joint Share Exchange Agreement”) pursuant to which a holding company, ASE Industrial Holding Co., Ltd. (“HoldCo”), will be formed by means of a statutory share exchange pursuant to the laws of the Republic of China, and HoldCo will (i) acquire all issued shares of ASE in exchange for shares of HoldCo using the share exchange ratio as described below, and (ii) acquire all issued shares of SPIL using the cash consideration as described below (the “Share Exchange”). Upon the consummation of the Share Exchange, ASE and SPIL will become wholly owned subsidiaries of HoldCo concurrently. Subject to the Share Exchange, the Joint Share Exchange Agreement and the other transactions contemplated thereby being approved by shareholders of ASE and SPIL, and upon the satisfaction of the other conditions for completing the Share Exchange, HoldCo will be formed — and the Share Exchange is expected to become effective — on or around April 30, 2018.

Pursuant to the terms and subject to the conditions set forth in the Joint Share Exchange Agreement, at the effective time of the Share Exchange (the “Effective Time”):

(i) for SPIL shareholders:

each SPIL common share, par value NT\$10 per share (“SPIL Common Share”), issued immediately prior to the Effective Time (including SPIL’s treasury shares and the SPIL Common Shares beneficially owned by ASE), will be transferred to HoldCo in consideration for the right to receive NT\$51.2 (representing NT\$55, *minus* a cash dividend and a return of capital reserve of NT\$3.8 per SPIL Common Share distributed by SPIL on July 1, 2016), payable in cash in NT dollars, without interest and net of any applicable withholding taxes (“SPIL Common Shares Cash Consideration”); and

each SPIL American depositary share, currently representing five SPIL Common Shares (“SPIL ADS”) will be cancelled in exchange for the right to receive through JPMorgan Chase Bank, N.A., as depositary for the SPIL ADSs (“SPIL Depositary”), the US dollar equivalent of NT\$256 (representing five times of the SPIL Common Shares Cash Consideration) *minus* (i) all processing fees and expenses per SPIL ADS in relation to the conversion from NT dollars into US dollars, and (ii) US\$0.05 per SPIL ADS cancellation fees pursuant to the terms of the deposit agreement dated January 6, 2015 by and among SPIL, SPIL Depositary and the holders and beneficial owners from time to time of the SPIL ADSs issued thereunder, payable in cash in US dollars, without interest and net of any

applicable withholding taxes (“SPIL ADS Cash Consideration,” together with the SPIL Common Shares Cash Consideration, “Cash Consideration”).

(ii) for ASE shareholders:

each ASE common share (“ASE Common Share”), par value NT\$10 per share, issued immediately prior to the Effective Time (including ASE’s treasury shares), will be transferred to HoldCo in consideration for the right to receive 0.5 HoldCo common shares (“HoldCo Common Shares”), par value NT\$10 per share; and

each ASE American depositary share, currently representing five ASE Common Shares (“ASE ADSs”), will represent the right to receive 1.25 HoldCo American depositary shares, each representing two HoldCo Common Shares (“HoldCo ADSs”) upon surrender for cancellation to Citibank, N.A., as depositary for the ASE ADSs, after the Effective Time. The ratio at which ASE Common Shares will be exchanged for HoldCo Common Shares and ASE ADSs will be exchanged for HoldCo ADSs is hereinafter referred to as the “Exchange Ratio.”

Under Republic of China law, if any fractional HoldCo Common Shares representing less than one common share would otherwise be allotted to former holders of ASE Common Shares in connection with the Share Exchange, those fractional shares will not be issued to those shareholders. Pursuant to the Joint Share Exchange Agreement, ASE will aggregate the fractional entitlements and sell the aggregated ASE Common Shares using the closing price of ASE Common Shares on the Taiwan Stock Exchange (the “TWSE”) on the ninth (9) ROC Trading Day (as defined below) prior to the Effective Time, to an appointee of the Chairman of HoldCo. The cash proceeds from the sale will be distributed to the former holders of ASE Common Shares by HoldCo on a proportionate basis in accordance with their respective fractions at the Effective Time.

If you hold ASE ADSs, you will be able to exchange those ASE ADSs for HoldCo ADSs by delivering your ASE ADSs to Citibank, N.A., as depositary, after the Effective Time. Citibank, N.A., as depositary for the ASE ADSs, will only distribute whole HoldCo ADSs. Citibank, N.A., as depositary for the ASE ADSs, will aggregate the fractional entitlements to HoldCo ADSs and will use commercially reasonable efforts to sell the aggregated HoldCo ADS entitlements in the open market and will distribute the net cash proceeds to the holders of ASE ADSs entitled to them.

Subject to approval at the ASE EGM (as defined below), HoldCo will issue 4,306,143,682 HoldCo Common Shares (based on 8,732,287,364 outstanding ASE Common Shares as of November 30, 2017 and taking into account the cancellation of up to 120,000,000 ASE treasury shares which may be then-outstanding) in connection with the Share Exchange.

ASE Common Shares are listed and traded on the TWSE under the ticker “2311” and ASE ADSs are listed and traded on the New York Stock Exchange (“NYSE”) under the ticker symbol “ASX.” On January 12, 2018, the most recent



practicable trading day prior to the printing of this proxy statement/prospectus, the closing price per ASE Common Share on the TWSE was NT\$38.80 (US\$1.28), and the closing price per ASE ADS on the NYSE was US\$6.66. SPIL Common Shares are listed and traded on the TWSE under the ticker “2325” and SPIL ADSs are listed and traded on the NASDAQ National Market (“NASDAQ”) under the ticker symbol “SPIL.” On January 12, 2018, the most recent practicable trading day prior to the printing of this proxy statement/prospectus, the closing price per SPIL Common Share on the TWSE was NT\$50.30 (US\$1.66), and the closing price per SPIL ADS on NASDAQ was US\$8.39. Following completion of the Share Exchange, ASE anticipates that the HoldCo Common Shares will trade on the TWSE and HoldCo ADSs will trade on the NYSE.

Before the Share Exchange can be completed, ASE shareholders must vote to approve, among other things, the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement, and SPIL shareholders must vote to approve the acquisition by HoldCo of all issued shares of SPIL using the Cash Consideration. If you are an ASE shareholder, ASE is sending you this proxy statement/prospectus to ask you to vote in favor of these matters.

The extraordinary general shareholders’ meeting of ASE shareholders (the “ASE EGM”) is expected to be held on February 12, 2018, at 10:00 A.M. (Taiwan time), at Zhuang Jing Auditorium, 600 Jiachang Road, Nantze Export Processing Zone, Nantze District, Kaohsiung City, Taiwan, Republic of China. At this ASE EGM, ASE shareholders will be asked to approve, among other things, the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement. More information about the proposals to be voted on at this ASE EGM is contained in this proxy statement/prospectus. The board of directors of ASE has unanimously determined that (i) the Exchange Ratio constitutes fair value for each ASE Common Share and each ASE ADS, and

(ii) the Joint Share Exchange Agreement and the transactions contemplated thereby are advisable, fair to and in the best interests of ASE and its shareholders. The board of directors of ASE recommends that ASE shareholders vote “FOR” the approval of the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement and “FOR” the approval of the other proposals to be voted on at this ASE EGM as described in this proxy statement/prospectus.

To attend and vote at the ASE EGM under Republic of China law, holders of ASE Common Shares must follow the procedures outlined in the convocation notice, which will be sent to those holders by ASE. To give voting instructions to the depositary for the ASE ADSs, holders of ASE ADSs must follow the procedures outlined in the notice of the ASE EGM that Citibank, N.A., as depositary for the ASE ADSs, will separately send to those ASE ADS holders.

This proxy statement/prospectus is an important document containing answers to frequently asked questions, a summary description of the transactions contemplated by the Joint Share Exchange Agreement and more detailed information about ASE, SPIL, the Joint Share Exchange Agreement, the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement and the other matters to be voted upon by ASE shareholders as part of the ASE EGM. We urge you to read this proxy statement/prospectus and the documents included as annexes carefully and in their entirety. In particular, you should consider the matters discussed in the section entitled “Risk Factors” beginning on page 66.

Thank you for your cooperation and continued support.

Sincerely,

Jason C.S. Chang

Chairman and Chief Executive Officer

Advanced Semiconductor Engineering, Inc.

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the Share Exchange or the securities to be issued in connection therewith, or determined if this proxy statement/prospectus is accurate or complete. Any representation to the contrary is a criminal offense.**

**As a shareholder (but not as an ADS holder), you may have dissenters' rights in connection with the transactions under the laws of the Republic of China. See page 62 for a complete discussion of your dissenters' rights, if any.**

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This document is dated January 16, 2018 and is first being delivered to ASE shareholders on or about January 23, 2018.

NOTICE OF EXTRAORDINARY GENERAL MEETING  
TO BE HELD ON FEBRUARY 12, 2018

Dear Shareholders:

This is a notice that Advanced Semiconductor Engineering, Inc. (“ASE”) will hold an Extraordinary General Meeting (the “ASE EGM”) on February 12, 2018, at 10:00 A.M. (Taiwan time), and the location is expected to be at Zhuang Jing Auditorium, 600 Jiachang Road, Nantze Export Processing Zone, Nantze District, Kaohsiung City, Taiwan, Republic of China.

At the ASE EGM, we will discuss, and ASE shareholders will vote on, the following proposals:

***In connection with ASE:***

***Proposal 1. To consider and to vote upon the joint share exchange agreement entered into between Advanced Semiconductor Engineering, Inc. and Siliconware Precision Industries Co., Ltd. on June 30, 2016 and as supplemented by the supplemental agreement dated December 14, 2017 (the “Joint Share Exchange Agreement”) and the proposed share exchange and the other transactions contemplated by the Joint Share Exchange Agreement***

***Proposal 2. To consider and to vote upon the amendment to the Procedures for Lending Funds to Other Parties of Advanced Semiconductor Engineering, Inc.***

***Proposal 3. To consider and to vote upon the amendment to the Procedures of Making the Endorsement and Guarantees of Advanced Semiconductor Engineering, Inc.***

***Proposal 4. To consider and to vote upon the amendment to the Procedures for Acquisition or Disposal of Assets of Advanced Semiconductor Engineering, Inc.***

***In connection with HoldCo:***

*Proposal 1. To consider and to vote upon the Rules of Procedure for Shareholders' Meetings of ASE Industrial Holding Co., Ltd.*

*Proposal 2. To consider and to vote upon the adoption of the articles of incorporation of ASE Industrial Holding Co., Ltd.*

*Proposal 3. To consider and to vote upon the Rules Governing the Election of Directors and Supervisors of ASE Industrial Holding Co., Ltd.*

*Proposal 4. To consider and elect the members of the board of directors and supervisors of ASE Industrial Holding Co., Ltd.*

*Proposal 5. To consider and to vote upon the proposal to waive the non-competition clauses applicable to newly elected directors of ASE Industrial Holding Co., Ltd.*

*Proposal 6. To consider and to vote upon the Procedures for Lending Funds to Other Parties of ASE Industrial Holdings Co. Ltd.*

*Proposal 7. To consider and to vote upon the Procedures of Making the Endorsement and Guarantees of ASE Industrial Holding Co., Ltd.*

*Proposal 8. To consider and to vote upon the Procedures for Acquisition or Disposal of Assets of ASE Industrial Holding Co., Ltd.*

This proxy statement/prospectus describes certain proposals listed above in more detail. Please refer to the attached document, including the Joint Share Exchange Agreement and all other documents included as annexes, for further information with respect to the business to be transacted at the ASE EGM. We will provide additional information regarding the proposals outlined above (other than Proposal 1 in connection with ASE) which we shall file on a Form 6-K prior to the ASE EGM. You are encouraged to read the entire document carefully before voting. **In particular, see the section entitled “Risk Factors.”**

The record date for the determination of shareholders entitled to vote at the ASE EGM will be January 14, 2018 (Taiwan time) (the “ASE EGM Record Date”). Only ASE shareholders who hold common shares of ASE, par value NT\$10 per share (“ASE Common Shares”), of record on the ASE EGM Record Date are entitled to vote at the ASE EGM, or to exercise the appraisal rights conferred on dissenting shareholders by the laws of the Republic of China. Each ASE Common Share entitles its holder to one vote at the ASE EGM on each of Proposal 1 to Proposal 4 (in connection with ASE) and Proposal 1 to Proposal 3 and Proposal 5 to Proposal 8 (in connection with HoldCo), and Proposal 4 (in connection with HoldCo) will be voted on through cumulative voting. You may exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy using a duly authorized power of attorney in the prescribed form attached to the notice of convocation distributed by ASE prior to the ASE EGM. You may exercise your voting right by electronic means beginning from the fifteenth (15th) calendar day prior to the ASE EGM until the third calendar day prior to the day of the ASE EGM. Shareholders who intend to exercise voting rights electronically must log in to the website maintained by the Taiwan Depository & Clearing Corporation (“TDCC”) (<https://www.stockvote.com.tw>) and proceed in accordance with the instructions provided therein.

If you own American depository shares of ASE (“ASE ADSs”), each representing five ASE Common Shares, Citibank, N.A. (“Citibank”), as depository for the ASE ADSs (the “ASE Depository”), will mail on or around January 23, 2018 (New York time) to holders of ASE ADSs as of January 12, 2018 (New York time), a voting instruction card and notice which outlines the procedures those holders must follow to give proper voting instructions to the ASE Depository. In accordance with and subject to the terms of the amended and restated deposit agreement, dated as of September 29, 2000 and as amended (as so amended, the “ASE Deposit Agreement”), by and among Citibank, as ASE Depository, ASE, and the holders and beneficial owners of ASE ADSs, holders of ASE ADSs have no individual voting rights with respect to the ASE Common Shares represented by their ASE ADSs. Pursuant to the ASE Deposit Agreement, each holder of ASE ADSs is deemed to have authorized and directed the ASE Depository to appoint the Chairman of ASE or his/her designate (the Chairman or his/her designate, the “Voting Representative”), as representative of the ASE Depository, the custodian or the nominee who is registered in the Republic of China as

representative of the holders of ASE ADSs to vote the ASE Common Shares represented by ASE ADSs as more fully described below.

In accordance with and subject to the terms of the ASE Deposit Agreement, if holders of ASE ADSs together holding at least 51% of all the ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM instruct the ASE Depositary, prior to the ASE ADS voting instructions deadline, to vote in the same manner with respect to any of the proposals to be voted on at the EGM, the ASE Depositary shall notify the Voting Representative and appoint the Voting Representative as the representative of the ASE Depositary and the holders of ASE ADSs to attend the ASE EGM and vote, as to such proposals, all ASE Common Shares represented by ASE ADSs outstanding in the manner so instructed by such holders. If voting instructions are received from an ASE ADS holder by the ASE Depositary as of the ASE ADS voting instructions deadline, which are signed but without further indication as to voting instructions, the ASE Depositary shall deem such holder to have instructed a vote in favor of the items set forth in such instructions.

Furthermore, in accordance with and subject to the terms of the ASE Deposit Agreement, if, for any reason, the ASE Depositary has not, prior to the ASE ADS voting instructions deadline, received instructions from holders of ASE ADSs together holding at least 51% of all ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM, to vote in the same manner with respect to any of the proposals to be voted on at the EGM, the holders of all ASE ADSs shall be deemed to have authorized and directed the ASE Depositary to give a

discretionary proxy to the Voting Representative, as the representative of the holders of ASE ADSs, to attend the ASE EGM and vote, as to such proposals, all the ASE Common Shares represented by ASE ADSs then outstanding in his/her discretion; provided, however, that the ASE Depositary will not give a discretionary proxy as described if it fails to receive under the terms of the ASE Deposit Agreement a satisfactory opinion from ASE's counsel prior to the ASE EGM. In such circumstances, the Voting Representative shall be free to exercise the votes attaching to the ASE Common Shares represented by ASE in any manner he/she wishes, which may not be in the best interests of the ASE ADS holders. The Voting Representative has informed ASE that he plans as of the date of this proxy statement/prospectus to vote in favor of all of the proposals at the ASE EGM, although he has not entered into any agreement obligating him to do so.

**The board of directors of ASE has unanimously determined that the Joint Share Exchange Agreement and the transactions contemplated thereby, including the proposed Share Exchange, are advisable, fair to and in the best interests of ASE and its shareholders. The board of directors of ASE recommends that ASE shareholders vote "FOR" each of the proposals set forth above.**

**YOUR VOTE IS VERY IMPORTANT REGARDLESS OF THE NUMBER OF SHARES THAT YOU OWN.**

The proposed Share Exchange cannot be completed without ASE shareholders approving, among other things, the completion by ASE of the proposed Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement by either (x) the approval of one-half of the shares present at the ASE EGM if at least two-thirds of ASE's outstanding shares attend the ASE EGM, or (y) the approval of two-thirds of the shares present at the ASE EGM if at least one-half of ASE's outstanding shares attend the ASE EGM.

**ASE is not asking for a proxy and you are not required to send a proxy to ASE. However, ASE Enterprises Limited, a shareholder of ASE has advised us that it intends to solicit proxies in favor of the authorization and approval of the proposed Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement.**

If you have any questions concerning the Joint Share Exchange Agreement or the transactions contemplated by the Joint Share Exchange Agreement, including the proposed Share Exchange, or this proxy statement/prospectus, or would like additional copies or need help voting your ASE Common Shares, please contact ASE Investor Relations Department at +886-2-6636-5678 or [ir@aseglobal.com](mailto:ir@aseglobal.com), or Citibank Shareholder Services at 1-877-CITI-ADR (248-4237) for questions related to your ASE ADSs.

On behalf of the Board of Directors

/s/ Jason C.S. Chang  
Jason C.S. Chang



Chairman of the Board of Directors

## ADDITIONAL INFORMATION

This proxy statement/prospectus contains annexes which include important business and financial information about ASE and SPIL. Additional copies of documents included as annexes hereto are available to you by requesting them in writing or by telephone from ASE at the following address and telephone number:

**Advanced Semiconductor Engineering, Inc.**  
**e-mail: [ir@aseglobal.com](mailto:ir@aseglobal.com)**  
**Tel: +886-2-6636-5678**  
**Room 1901, No. 333, Section 1 Keelung Rd.**  
**Taipei, Taiwan, 110**  
**Republic of China**  
**Attention: Investor Relations**

**If you would like to request any documents, please do so by February 5, 2018 in order to receive them before the ASE EGM.**

For a more detailed description of the information included in the annexes to this proxy statement/prospectus and how you may obtain it, see the section entitled “Where You Can Find More Information.”

## ABOUT THIS PROXY STATEMENT/PROSPECTUS

This proxy statement/prospectus, which forms part of a registration statement on Form F-4 filed by ASE and SPIL with the U.S. Securities and Exchange Commission (the “SEC”), constitutes a prospectus of ASE and SPIL, respectively, under the Securities Act of 1933, as amended (the “Securities Act”), with respect to the HoldCo Common Shares to be issued to ASE shareholders in connection with the Share Exchange. This proxy statement/prospectus also constitutes a proxy statement for ASE under the Securities Exchange Act of 1934, as amended (the “Exchange Act”). It also constitutes a notice of meeting with respect to the ASE EGM.

You should rely only on the information contained in or included as annexes to this proxy statement/prospectus. No one has been authorized to provide you with information that is different from that contained in, or included as annexes to, this proxy statement/prospectus. This proxy statement/prospectus is dated January 16, 2018, and you should assume that the information contained in this proxy statement/prospectus is accurate only as of such date. You should also assume that the information included as annexes to this proxy statement/prospectus is only accurate as of the date of such information.

**This proxy statement/prospectus does not constitute an offer to sell, or a solicitation of an offer to buy, any securities, or the solicitation of a proxy, in any jurisdiction in which or from any person to whom it is unlawful to make any such offer or solicitation in such jurisdiction. Information contained in this proxy statement/prospectus regarding ASE has been provided by ASE and information contained in this proxy statement/prospectus regarding SPIL has been provided by SPIL.**

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<u>Annex D-1: ASE's Annual Report on Form 20-F for the fiscal year ended December 31, 2016 filed with the Securities and Exchange Commission on April 21, 2017</u>	<u>D-1</u>
<u>Annex D-2: ASE's Unaudited Condensed Consolidated Interim Financial Statements on Form 6-K for the Nine Months Ended September 30, 2016 and 2017, filed with the Securities and Exchange Commission on December 14, 2017</u>	<u>D-2</u>
<u>Annex E-1: SPIL's Annual Report on Form 20-F for the fiscal year ended December 31, 2016 filed with the Securities and Exchange Commission on April 11, 2017</u>	<u>E-1</u>
<u>Annex E-2: SPIL's Unaudited Condensed Consolidated Interim Financial Statements on Form 6-K for the Nine Months Ended September 30, 2016 and 2017, filed with the Securities and Exchange Commission on December 14, 2017</u>	<u>E-2</u>



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Definitions

As used in this proxy statement/prospectus, the following defined terms have the following respective meanings:

· “ASE” refers to Advanced Semiconductor Engineering, Inc. and, as the context requires, its subsidiaries;

· “ASE ADS(s)” refers to the American depositary share(s) issued by the ASE Depositary under the ASE Deposit Agreement. Each ASE ADS represents five ASE Common Shares;

· “ASE Common Share(s)” refers to the common share(s) of ASE, par value NT\$10 per share;

· “ASE Depositary” or “Citibank” refers to Citibank, N.A., as depositary for the ASE ADSs under the ASE Deposit Agreement;

· “ASE Deposit Agreement” refers to the Amended and Restated Deposit Agreement, dated as of September 29, 2000, by and among ASE, Citibank and the Holders and Beneficial Owners of ASE ADSs, as amended by Amendment No. 1 to Amended and Restated Deposit Agreement, dated as of April 6, 2006, and by Amendment No. 2 to Amended and Restated Deposit Agreement, dated as of November 27, 2006;

· “ASE Share(s)” refers to ASE Common Share(s) and ASE ADS(s), collectively;

· “Effective Time” refers to the effective time of the Share Exchange;

· “Exchange Act” refers to the U.S. Securities Exchange Act of 1934, as amended;

· “FSC” refers to Financial Supervisory Commission of the ROC;

· “HoldCo” refers to ASE Industrial Holding Co., Ltd., the holding company that will be formed at the Effective Time as the parent company of ASE and SPIL as a result of the Share Exchange;

· “HoldCo ADS(s)” refers to the American depositary share(s) that will be issued to ASE ADS holders upon the consummation of the Share Exchange pursuant to a new American depositary receipt facility to be established by HoldCo with the HoldCo Depositary upon the terms of the HoldCo Deposit Agreement. Each HoldCo ADS will represent two HoldCo Common Shares;

“HoldCo Common Share(s)” refers to the common share(s) of HoldCo, par value NT\$10 per share, that will be issued upon the consummation of the Share Exchange;

“HoldCo Depositary” refers to Citibank, N.A. in its capacity as depositary for the HoldCo ADSs pursuant to the terms of the HoldCo Deposit Agreement;

“HoldCo Deposit Agreement” refers to the deposit agreement for the HoldCo ADSs to be entered into by HoldCo and Citibank, N.A., as HoldCo Depositary, at the Effective Time, and to which the holders and beneficial owners of HoldCo ADSs become parties upon acceptance of HoldCo ADSs;

“HoldCo Shares” refers to HoldCo Common Shares and HoldCo ADSs, collectively;

“IFRS” refers to International Financial Reporting Standards as issued by the International Accounting Standards Board;

“Joint Share Exchange Agreement” refers to the joint share exchange agreement dated June 30, 2016 and as supplemented by the Supplemental Agreement dated December 14, 2017, by and between ASE and SPIL; an English translation of the Joint Share Exchange Agreement is included as Annex A-1 and Annex A-2 to this proxy statement/prospectus;

“NASDAQ” refers to the NASDAQ National Market;

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“non-ROC holder” refers to a non-resident individual or non-resident entity that owns ASE Common Shares or ADSs or HoldCo Common Shares or HoldCo ADSs. As used in the preceding sentence, a “non-resident individual” is a non-ROC national who owns ASE Common Shares or ADSs or HoldCo Common Shares or HoldCo ADSs and is not physically present in the ROC for 183 days or more during any calendar year, and a “non-resident entity” is a corporation or a non-corporate body that owns ASE Common Shares or ASE ADSs or HoldCo Common Shares or HoldCo ADSs, is organized under the laws of a jurisdiction other than the ROC and has no fixed place of business or business agent in the ROC;

“NT\$” and “NT dollars” refers to New Taiwan dollars, the official currency of the ROC;

“NYSE” refers to the New York Stock Exchange;

“PRC” or “China” refers to the People’s Republic of China, excluding, for purposes of this proxy statement/prospectus, Hong Kong, the Macau Special Administrative Region and Taiwan;

“Registrant” refers to either ASE or SPIL;

“ROC” or “Taiwan” refers to the Republic of China;

“ROC Company Law” refers to the Company Law of the ROC;

“ROC Mergers and Acquisitions Act” refers to the Business Mergers and Acquisitions Act of the ROC;

“ROC Securities and Exchange Law” refers to the Securities and Exchange Act of the ROC;

“ROC Trading Day” refers to a day when TWSE is open for business;

“Share Exchange” refers to the transactions pursuant to which ASE will file an application with the TWSE and other competent authorities to establish HoldCo by means of a statutory share exchange, HoldCo will acquire all issued shares of each of ASE and SPIL and ASE and SPIL will become wholly owned subsidiaries of HoldCo concurrently;

“Securities Act” refers to the U.S. Securities Act of 1933, as amended;

“SEC” refers to the U.S. Securities and Exchange Commission;



“SPIL” refers to Siliconware Precision Industries Co., Ltd., and, as the context requires, its subsidiaries;

“SPIL ADS(s)” refers to the American depositary shares issued by the SPIL Depositary under the SPIL Deposit Agreement. Each SPIL ADS represents five SPIL Common Shares;

“SPIL Common Share(s)” refers to the common share(s) of SPIL, par value NT\$10 per share;

“SPIL Depositary” refers to JPMorgan Chase Bank, N.A., as depositary for the SPIL ADSs under the SPIL Deposit Agreement;

“SPIL Deposit Agreement” refers to the Amended and Restated Deposit Agreement, dated as of January 6, 2015, by and among SPIL, JPMorgan Chase Bank, N.A., as SPIL Depositary, and the Holders and Beneficial Owners of SPIL ADSs, as amended;

“Supplemental Agreement” refers to the supplemental agreement dated December 14, 2017 to the joint share exchange agreement entered into between ASE and SPIL on June 30, 2016; an English translation of the Supplemental Agreement is included as Annex A-2 to this proxy statement/prospectus;

“TWSE” refers to the Taiwan Stock Exchange;

“U.S.” refers to the United States of America; and

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- “US\$” and “U.S. dollars” refers to United States dollars, the official currency of the United States of America.

For your convenience, this proxy statement/prospectus contains translations of certain NT dollar amounts into U.S. dollar amounts at a rate of NT\$30.33 to US\$1.00, the exchange rate set forth in the H.10 statistical release of the Federal Reserve Board on September 29, 2017, unless otherwise stated. We make no representation that any NT dollar or U.S. dollar amounts could have been, or could be, converted into U.S. dollars or NT dollars, as the case may be, at any particular rate, or at all.

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Questions and Answers about the Share Exchange

**Q. Why am I receiving this document?**

A. ASE and SPIL have entered into the Joint Share Exchange Agreement pursuant to which a holding company, HoldCo, will be established by means of a statutory share exchange pursuant to the laws of the ROC, and HoldCo will (i) acquire all issued shares of ASE in exchange for shares of HoldCo using the Exchange Ratio as described below, and (ii) acquire all issued SPIL Common Shares using the Cash Consideration as described below. Upon the consummation of the Share Exchange, ASE and SPIL will become wholly owned subsidiaries of HoldCo concurrently.

Before the Share Exchange can be completed, ASE shareholders must vote to approve, among other things, the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement. If you are an ASE shareholder, ASE is sending you this proxy statement/prospectus to ask you to vote in favor of these matters. ASE will hold the ASE EGM on February 12, 2018 to obtain these approvals and the approval of certain other proposals that are not conditions to the completion of the Share Exchange.

This proxy statement/prospectus, which you should read carefully, contains important information about the Joint Share Exchange Agreement, the Share Exchange and the other transactions contemplated by the Joint Share Exchange and other matters being considered at the ASE EGM. The enclosed voting materials allow you to vote your shares without attending the applicable shareholders' meeting. Your vote is very important and we encourage you to submit your vote or proxy as soon as possible.

**Q. What will SPIL shareholders receive in the Share Exchange?**

A. As of the Effective Time of the Share Exchange:

- each SPIL Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including SPIL's treasury shares and the SPIL Common Shares beneficially owned by ASE), will be transferred to HoldCo in consideration for the right to receive NT\$51.2 (representing NT\$55 *minus* a cash dividend and a return of capital reserve of NT\$3.8 per SPIL Common Share distributed by SPIL on July 1, 2016), payable by HoldCo in cash in NT dollars, without interest and net of any applicable withholding taxes; and
- each SPIL ADS will be cancelled in exchange for the right to receive through SPIL Depository, the US dollar equivalent of NT\$256 (representing five times of the SPIL Common Shares Cash Consideration) *minus* (i) all

processing fees and expenses per SPIL ADS in relation to the conversion from NT dollars into US dollars, and (ii) US\$0.05 per SPIL ADS cancellation fees pursuant to the terms of the SPIL Deposit Agreement, payable by HoldCo in cash in US dollars, without interest and net of any applicable withholding taxes.

**Q. What will ASE shareholders receive in the Share Exchange?**

A. As of the Effective Time:

each ASE Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including ASE's treasury shares), will be transferred to HoldCo in consideration for the right to receive 0.5 HoldCo Common Shares; and

each ASE ADS, currently representing five ASE Common Shares, will, after the Effective Time, represent the right to receive 1.25 HoldCo ADSs, each HoldCo ADS representing two HoldCo Common Shares, upon surrender for cancellation to the ASE Depositary after the Effective Time.

**Q: How will fractional entitlements to HoldCo Common Shares be handled in the Share Exchange?**

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ASE will aggregate the fractional entitlements to HoldCo Common Shares and sell the aggregated HoldCo Common Shares using the closing price of ASE Common Shares on the TWSE on the ninth (9<sup>th</sup>) ROC Trading Day A: prior to the Effective Time, to an appointee of the Chairman of HoldCo. The cash proceeds from the sale will be distributed to the former holders of ASE Common Shares by HoldCo on a proportionate basis in accordance with their respective fractions at the Effective Time.

**Q: How will fractional entitlements to HoldCo ADSs be handled in the Share Exchange?**

The ASE Depository (Citibank) will aggregate the fractional entitlements to HoldCo ADSs, use commercially A: reasonable efforts to sell the aggregated fractional entitlements to HoldCo ADSs on the open market, and remit the net cash proceeds (after deducting applicable taxes, fees and expenses, including sales commissions) to the holders of ASE ADSs entitled to them.

**Q. How do the HoldCo Common Shares differ from ASE Common Shares?**

A. HoldCo Common Shares will not materially differ from ASE Common Shares from a legal perspective.

**Q. How do the HoldCo ADSs differ from ASE ADSs?**

A. HoldCo ADSs will not materially differ from ASE ADSs from a legal perspective.

**Q. When is the Share Exchange expected to be completed?**

A. The Share Exchange is expected to be completed on or promptly after April 30, 2018.

**Q. What is the record date for voting at the ASE EGM?**

A. The record date for voting at the ASE EGM for ASE Common Shares is on January 14, 2018 (Taiwan time).

**Q. How do I vote at the ASE EGM?**

A. You may exercise voting rights as a shareholder by electronic means or by attending the ASE EGM, as applicable, in person or by proxy.

You may exercise your voting right by electronic means beginning from the fifteenth (15<sup>th</sup>) calendar day prior to the ASE EGM, as applicable, until the third calendar day prior to the day of the ASE EGM (the “Electronic Voting Period”). Shareholders who intend to exercise voting rights electronically must login to the website maintained by the TDCC (<https://www.stockvote.com.tw>) and proceed in accordance with the instructions provided therein.

You may exercise your voting rights by attending the ASE EGM in person or by proxy using a duly authorized power of attorney in the prescribed form attached to the notice of convocation distributed by ASE prior to the respective ASE EGM.

**Q: How will shares being represented at the ASE EGM by voting cards be treated?**

A: The voting cards used for the ASE EGM will describe the proposals to be voted on by shareholders at the ASE EGM, as applicable, including approval of the Share Exchange. The voting cards will allow shareholders to indicate a “for” or “against” vote with respect to each proposal.

**Q. May I change my vote?**

A. Yes.

If you previously voted through the electronic voting website, you may change or revoke your previous voting by logging in to the electronic voting website anytime within the Electronic Voting Period. If you revoked your electronic voting within the Electronic Voting Period, you may attend the ASE EGM, as applicable, and vote in person.

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If you previously presented a valid proxy or exercised your vote through the electronic voting website but then wish to attend the ASE EGM in person, you are required to revoke your proxy in writing addressed to ASE or revoke your electronic vote by logging in to the electronic voting website at least two (2) calendar days prior to the ASE EGM. Otherwise, the voting right exercised by your proxy or through the electronic voting website will prevail.

**Q: How do I vote if I own ASE ADSs?**

The ASE Depository will send to holders of ASE ADSs as of January 12, 2018 close of business (New York time), A: a voting instruction card and notice, which outlines the procedures those holders must follow to give proper voting instructions to the ASE Depository.

**Q: If I own ASE ADSs, what steps must I take to exchange my ASE ADSs for HoldCo ADSs?**

If you hold physical certificates, also known as ASE American depository receipts (“ASE ADRs”), representing ASE ADSs, you will be sent a letter of transmittal after the Effective Time by the ASE Depository, which is to be used A: to surrender your ASE ADSs to the ASE Depository in exchange for HoldCo ADSs. The letter of transmittal will contain instructions explaining the procedure for surrendering the ASE ADSs in exchange for the HoldCo ADSs. YOU SHOULD NOT RETURN ASE ADRs WITH THE ENCLOSED PROXY CARD. The HoldCo ADSs will be issued in uncertificated, book-entry form, unless a physical HoldCo ADR is subsequently requested.

If you hold ASE ADSs in uncertificated form registered directly on the books of the ASE Depository, you will not be required to take any action after the Effective Time. The ASE Depository will, after the Effective Time, exchange your ASE ADSs for the applicable HoldCo ADSs and send you a statement reflecting HoldCo ADSs issued in your name as a result of the Share Exchange and a check for the cash in lieu of any fractional HoldCo ADS to which you are entitled as a result of the Share Exchange.

Beneficial holders of ASE ADSs held in “street name” through a bank, broker or other financial institution with an account in The Depository Trust Company (“DTC”) will not be required to take any action after the Effective Time to exchange ASE ADSs for HoldCo ADSs. After the Effective Time, ASE ADSs held in “street name” will be exchanged by the ASE Depository via DTC for the applicable HoldCo ADSs and delivered in book-entry form via DTC to the applicable banks, brokers and other financial institutions for credit to their clients, the beneficial owners of ASE ADSs.

**Q: If I own ASE ADSs, will I be required to pay any service fees to exchange my ASE ADSs for HoldCo ADSs?**

A: There is a US\$0.02 cancellation fee per ASE ADS held payable by holders of ASE ADSs to the ASE Depository in connection with the exchange of ASE ADSs for HoldCo ADSs.

**Q: How will trading in ASE Common Shares and ASE ADSs be affected by the Share Exchange?**

ASE expects that ASE Common Shares will be suspended from trading on the TWSE starting from the eighth (8<sup>th</sup>) ROC Trading Day prior to the Effective Time of the Share Exchange. ASE expects that HoldCo Common Shares will begin trading in Taiwan during TWSE trading hours, at the Effective Time of the Share Exchange. ASE  
A: expects that the ASE ADSs will be suspended from trading on the NYSE starting from the eighth (8<sup>th</sup>) trading day on the NYSE prior to the Effective Time of the Share Exchange. ASE expects that HoldCo ADSs will begin trading on the NYSE during NYSE trading hours, at the Effective Time of the Share Exchange. You will not be able to trade ASE Common Shares and ASE ADSs during these gaps in trading.

**I am a holder of ASE's US\$200,000,000 aggregated principal amount of currency-linked zero coupon convertible bonds due 2018 (the "ASE 2015 Convertible Bonds"). What will be the treatment of my bonds before and after the Share Exchange?**

A: Prior to the maturity of the ASE 2015 Convertible Bonds, you may exercise your rights pursuant to the indenture of the ASE 2015 Convertible Bonds. ASE plans to fully repay the ASE 2015 Convertible Bonds on or before the maturity date of such bonds, March 27, 2018. It is expected that on or after the Effective Time, the ASE 2015 Convertible Bonds would no longer be outstanding.



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**Q: I am a holder of SPIL’s zero coupon convertible bonds due 2019 (the “SPIL Convertible Bonds”). What will be the treatment of my bonds before and after the Share Exchange?**

A: Prior to the Effective Time, you may exercise your rights pursuant to the indenture of the SPIL Convertible Bonds. If you chose to convert your SPIL Convertible Bonds into SPIL Common Shares before the record date of the Share Exchange and become a holder of SPIL Common Shares, your shares will be transferred to HoldCo in consideration for the right to receive the Cash Consideration (subject to additional adjustments according to the terms of the Joint Share Exchange Agreement and applicable laws) payable by HoldCo in cash in NT dollars, without interest and net of any applicable withholding tax.

If the SPIL Convertible Bonds have not been redeemed or repurchased by SPIL and cancelled or converted by you prior to the Effective Time, HoldCo, will become a co-obligor with SPIL pursuant to a supplemental indenture to be entered into among SPIL, HoldCo and the trustee of the SPIL Convertible Bonds and will pay Cash Consideration (subject to additional adjustments according to the terms of the Joint Share Exchange Agreement and applicable laws) to such holders of SPIL Convertible Bonds for each SPIL Common Share you are entitled to receive, without interest and net of any applicable withholding tax, if they exercise their conversion rights after the Effective Time.

You are urged to consult your own tax advisor as to the particular tax consequences of conversion of your SPIL Convertible Bonds, including the effect of any federal, state, local, non-U.S. and other tax laws.

**Q. Whom can I call with questions?**

A: If you have more questions about the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement, you should contact:

Kenneth Hsiang  
Email: [ir@aseglobal.com](mailto:ir@aseglobal.com)  
Tel: +886-2-6636-5678  
Room 1901, No. 333, Section 1 Keelung Rd.  
Taipei, Taiwan, 110, Republic of China  
Attention: Head of Investor Relations

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Summary

*The following summary highlights selected information described in more detail elsewhere in this proxy statement/prospectus and the documents included as annexes to this proxy statement/prospectus and may not contain all the information that may be important to you. To understand the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement and the matters being voted on by ASE shareholders and SPIL shareholders at their respective extraordinary shareholders' meeting more fully, and to obtain a more complete description of the legal terms of the Joint Share Exchange Agreement, you should carefully read this entire document, including the annexes, and the documents to which ASE and SPIL refer you. Each item in this summary includes a page reference directing you to a more complete description of that topic. See the section entitled "Where You Can Find More Information."*

The Parties (see page 79)

Advanced Semiconductor Engineering, Inc.

ASE is a company limited by shares incorporated under the laws of the ROC. ASE's services include semiconductor packaging, production of interconnect materials, front-end engineering testing, wafer probing and final testing services, as well as integrated solutions for electronics manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications.

ASE Common Shares are traded on the TWSE under the ticker "2311" and ASE ADSs are traded on the NYSE under the symbol "ASX." ASE's principal executive offices are located at 26 Chin Third Road, Nantze Export Processing Zone, Nantze, Kaohsiung, Taiwan, Republic of China, and the telephone number at the above address is +886-7-361-7131.

Siliconware Precision Industries Co., Ltd.

SPIL is a company limited by shares incorporated under the laws of the ROC. SPIL offers a full range of packaging and testing solutions, including advanced packages, substrate packages and lead-frame packages, as well as testing for logic and mixed signal devices. SPIL currently targets customers in the personal computer, communications, consumer integrated circuits and non-commodity memory semiconductor markets.

SPIL Common Shares are traded on TWSE under the ticker “2325” and SPIL ADSs are traded on NASDAQ under the symbol “SPIL.” The principal executive offices of SPIL are located at No. 123, Sec. 3, Da Fong Road, Tantz, Taichung, Taiwan, Republic of China, and the telephone number is +886-4-2534-1525.

ASE Industrial Holding Co., Ltd.

It is expected that HoldCo will be a company limited by shares incorporated under the laws of the ROC and will be formed at the Effective Time. HoldCo will initially serve exclusively as the holding company for ASE, SPIL, as well as their subsidiaries and investees. HoldCo will not have substantive assets or operations.

It is expected that HoldCo Common Shares will be traded on the TWSE and HoldCo ADSs will be traded on the NYSE. It is expected that HoldCo’s principal executive offices will be located at 26 Chin Third Road, Nantze Export Processing Zone, Nantze, Kaohsiung, Taiwan, Republic of China and their telephone number at the above address will be +886-7-361-7173.

The Share Exchange (see page 31)

ASE and SPIL have entered into the Joint Share Exchange Agreement pursuant to which a holding company, HoldCo, will be formed by means of a statutory share exchange pursuant to ROC law, and at the Effective Time, HoldCo will (i) acquire all issued shares of ASE in exchange for shares of HoldCo using the Exchange Ratio as described below, and (ii) acquire all issued shares of SPIL using the Cash Consideration as described below. Upon the consummation of the Share Exchange, ASE and SPIL will become wholly owned subsidiaries of HoldCo

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concurrently. Subject to the Share Exchange and the Joint Share Exchange Agreement being approved by shareholders of ASE and SPIL, respectively, and upon the satisfaction of the other conditions for completing the Share Exchange, HoldCo will be formed — and the Share Exchange is expected to become effective — on or around April 30, 2018.

Pursuant to the terms and subject to the conditions set forth in the Joint Share Exchange Agreement, at the Effective Time:

(i) for SPIL shareholders:

each SPIL Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including SPIL's treasury shares and the SPIL Common Shares beneficially owned by ASE), will be transferred to HoldCo in consideration for the right to receive NT\$51.2 (representing NT\$55 *minus* a cash dividend and a return of capital reserve of NT\$3.8 per SPIL Common Share distributed by SPIL on July 1, 2016), payable by HoldCo in cash in NT dollars, without interest and net of any applicable withholding taxes; and

each SPIL ADS will be cancelled in exchange for the right to receive through SPIL Depositary, the US dollar equivalent of NT\$256 (representing five times of the SPIL Common Shares Cash Consideration) *minus* (i) all processing fees and expenses per SPIL ADS in relation to the conversion from NT dollars into US dollars, and (ii) US\$0.05 per SPIL ADS cancellation fees pursuant to the terms of the SPIL Deposit Agreement, payable by HoldCo in cash in US dollars, without interest and net of any applicable withholding taxes.

(ii) for ASE shareholders:

each ASE Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including ASE's treasury shares), will be transferred to HoldCo in consideration for the right to receive 0.5 HoldCo Common Shares; and

each ASE ADS, currently representing five ASE Common Shares, will, after the Effective Time, represent the right to receive 1.25 HoldCo ADSs, each HoldCo ADS representing two HoldCo Common Shares, upon surrender for cancellation to the ASE Depositary after the Effective Time.

Under ROC law, if any fractional HoldCo Common Shares representing less than one common share would otherwise be allotted to former holders of ASE Common Shares in connection with the Share Exchange, those fractional shares will not be issued to those shareholders. Pursuant to the Joint Share Exchange Agreement, ASE will aggregate the fractional entitlements and sell the aggregated ASE Common Shares using the closing price of ASE Common Shares on the TWSE on the ninth (9<sup>th</sup>) ROC Trading Day prior to the Effective Time, to an appointee of the Chairman of

HoldCo. The cash proceeds from the sale will be distributed to the former holders of ASE Common Shares by HoldCo on a proportionate basis in accordance with their respective fractions at the Effective Time.

If you hold physical certificates, also known as ASE American depositary receipts (“ASE ADRs”), representing ASE ADSs, you will be sent a letter of transmittal after the Effective Time by the ASE Depositary, which is to be used to surrender your ASE ADSs to the ASE Depositary in exchange for HoldCo ADSs. The letter of transmittal will contain instructions explaining the procedure for surrendering the ASE ADSs in exchange for the HoldCo ADSs. **YOU SHOULD NOT RETURN ASE ADRs WITH THE ENCLOSED PROXY CARD.** The HoldCo ADSs will be issued in uncertificated, book-entry form, unless a physical HoldCo ADR is subsequently requested.

If you hold ASE ADSs in uncertificated form registered directly on the books of the ASE Depositary, you will not be required to take any action after the Effective Time. The ASE Depositary will, after the Effective Time, exchange your ASE ADSs for the applicable HoldCo ADSs and send you a statement reflecting HoldCo ADSs

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issued in your name as a result of the Share Exchange and a check for the cash in lieu of any fractional HoldCo ADS to which you are entitled as a result of the Share Exchange.

Beneficial holders of ASE ADSs held in “street name” through a bank, broker or other financial institution with an account in DTC will not be required to take any action after the Effective Time to exchange ASE ADSs for HoldCo ADSs. After the Effective Time, ASE ADSs held in “street name” will be exchanged by the ASE Depository via DTC for the applicable HoldCo ADSs and delivered in book-entry form via DTC to the applicable banks, brokers and other financial institutions for credit to their clients the beneficial owners of ASE ADSs.

The ASE Depository will only distribute whole HoldCo ADSs. It will use commercially reasonable efforts to sell the fractional entitlements to HoldCo ADSs and distribute the net cash proceeds to the holders of ASE ADSs entitled to it.

Subject to approval at the ASE EGM, HoldCo will issue 4,306,143,682 HoldCo Common Shares (based on 8,732,287,364 outstanding ASE Common Shares as of November 30, 2017 and taking into account the cancellation of up to 120,000,000 ASE treasury shares which may be then-outstanding) in connection with the Share Exchange.

The following chart depicts the organizational structure of each of ASE and SPIL before the Share Exchange as of the date of this proxy statement/prospectus and immediately after the Effective Time.

Before the Share Exchange as of the date of this proxy statement/prospectus:

Immediately after the Effective Time:

The ASE EGM (see page 80)

***Date, Time and Place.*** The ASE EGM to vote for the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement is expected to be held at 10:00 A.M. (Taiwan Time) on February 12, 2018, at Zhuang Jing Auditorium, 600 Jiachang Road, Nantze Export Processing Zone, Nantze District, Kaohsiung City, Taiwan, Republic of China.

***Purpose.*** The ASE EGM is being held to consider and vote on:

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*In connection with ASE*

*Proposal 1. To consider and to vote upon the joint share exchange agreement entered into between ASE and SPIL on June 30, 2016 and as supplemented by the Supplemental Agreement dated December 14, 2017 (the “Joint Share Exchange Agreement”) and the proposed share exchange and the other transactions contemplated by the Joint Share Exchange Agreement*

*Proposal 2. To consider and to vote upon the amendment to the Procedures for Lending Funds to Other Parties of ASE*

*Proposal 3. To consider and to vote upon the amendment to the Procedures of Making the Endorsement and Guarantees of ASE*

*Proposal 4. To consider and to vote upon the amendment to the Procedures for Acquisition or Disposal of Assets of ASE*

*In connection with HoldCo*

*Proposal 1. To consider and to vote upon the Rules of Procedure for Shareholders' Meetings of HoldCo*

*Proposal 2. To consider and to vote upon the adoption of the articles of incorporation of HoldCo*

*Proposal 3. To consider and to vote upon the Rules Governing the Election of Directors and Supervisors of HoldCo*

*Proposal 4. To consider and elect the members of the board of directors and supervisors of HoldCo*

*Proposal 5. To consider and to vote upon the proposal to waive the non-competition clauses applicable to newly elected directors of HoldCo*

*Proposal 6. To consider and to vote upon the Procedures for Lending Funds to Other Parties of HoldCo*



*· Proposal 7. To consider and to vote upon the Procedures of Making the Endorsement and Guarantees of HoldCo*

*· Proposal 8. To consider and to vote upon the Procedures for Acquisition or Disposal of Assets of HoldCo*

**Record Date; Voting Rights.** Holders of ASE Common Shares will be entitled to exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy, if they are recorded on ASE's stockholder register on January 14, 2018 ("ASE EGM Record Date"). Only ASE shareholders who hold ASE Common Shares of record on the ASE EGM Record Date are entitled to vote at the ASE EGM, or to exercise the appraisal rights conferred on dissenting shareholders by the laws of the ROC. Each ASE Common Share entitles its holder to one vote at the ASE EGM on each of Proposal 1 to Proposal 4 (in connection with ASE) and Proposal 1 to Proposal 3 and Proposal 5 to Proposal 8 (in connection with HoldCo), and Proposal 4 (in connection with HoldCo) will be voted on through cumulative voting. You may exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy using a duly authorized power of attorney in the prescribed form attached to the notice of convocation distributed by ASE prior to the ASE EGM. You may exercise your voting right by electronic means beginning from the 15th calendar day prior to the ASE EGM until the third calendar day prior to the day of the ASE EGM. Shareholders who intend to exercise their voting rights electronically must log in to the website maintained by the TDCC (<https://www.stockvote.com.tw>) and proceed in accordance with the instructions provided therein.

Holders of ASE ADSs will be entitled to instruct the ASE Depositary (Citibank) as to how to vote the ASE Common Shares represented by ASE ADSs at the ASE EGM in accordance with the procedures set forth in this prospectus, if those holders were recorded on the ASE Depositary's register on January 12, 2018 by close of business (New York time). In accordance with and subject to the terms of the ASE Deposit Agreement, holders of ASE ADSs have no individual voting rights with respect to the ASE Common Shares represented by their ASE ADSs. Pursuant to the ASE Deposit Agreement, each holder of ASE ADSs is deemed to have authorized and directed the ASE Depositary to appoint the Chairman of ASE or his/her designee, as Voting Representative of the ASE Depositary, the custodian or the nominee who is registered in the ROC as representative of the holders of ASE ADSs to vote the ASE Common Shares represented by ASE ADSs as more fully described below.

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In accordance with and subject to the terms of the ASE Deposit Agreement, if holders of ASE ADSs together holding at least 51% of all the ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM, instruct the ASE Depositary, prior to the ASE ADS voting instructions deadline, to vote in the same manner with respect to any of the proposals to be voted in at the EGM, the ASE Depositary shall notify the Voting Representative and appoint the Voting Representative as the representative of the ASE Depositary and the holders of ASE ADSs to attend the ASE EGM and vote, as to such proposals, all ASE Common Shares represented by ASE ADSs outstanding in the manner so instructed by such holders. If voting instructions are received from an ASE ADS holder by the ASE Depositary as of the ASE ADS voting instructions deadline which are signed but without further indication as to voting instructions, the ASE Depositary shall deem such holder to have instructed a vote in favor of the items set forth in such instructions.

Furthermore, in accordance with and subject to the terms of the ASE Deposit Agreement, if, for any reason, the ASE Depositary has not, prior to the ASE ADS voting instructions deadline, received instructions from holders of ASE ADSs together holding at least 51% of all ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM, to vote in the same manner with respect to any of the proposals to be voted on at the EGM, the holders of all ASE ADSs shall be deemed to have authorized and directed the ASE Depositary to give a discretionary proxy to the Voting Representative, as the representative of the holders of ASE ADSs, to attend the ASE EGM and vote as to such proposals, all the ASE Common Shares represented by ASE ADSs then outstanding in his discretion; provided, however, that the ASE Depositary will not give a discretionary proxy as described if it fails to receive under the terms of the ASE Deposit Agreement a satisfactory opinion from ASE's counsel prior to the ASE EGM. In such circumstances, the Voting Representative shall be free to exercise the votes attaching to the ASE Common Shares represented by ASE in any manner he wishes, which may not be in the best interests of the ASE ADS holders. The Voting Representative has informed ASE that he plans as of the date of this proxy statement/prospectus to vote in favor of all of the proposals at the ASE EGM, although he has not entered into any agreement obligating him to do so.

**Vote Required.** The Share Exchange cannot be completed without ASE shareholders approving, among other things, the completion by ASE of the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement by either (x) the approval of one-half of the ASE Common shares present at the ASE EGM if at least two-thirds of the outstanding ASE Common Shares attend the ASE EGM, or (y) the approval of two-thirds of the ASE Common Shares present at the ASE EGM if at least one-half of the outstanding ASE Common Shares attend the ASE EGM. Other than the proposal for the election of directors and supervisors of ASE Industrial Holding Co., Ltd. which is through cumulative voting, each ASE shareholder is entitled to one vote per share for the proposals raised at the ASE EGM.

As of November 30, 2017, there were 8,732,287,364 ASE Common Shares (including those represented by ASE ADSs) outstanding. As of November 30, 2017, ASE directors and executive officers, as a group, beneficially owned and were entitled to vote 2,163,879,853 ASE Common Shares, or approximately 24.8% of the total outstanding share capital of ASE. ASE currently expects that these directors and executive officers will vote their ASE Common Shares that are held at the ASE EGM Record Date in favor of all of the proposals at the ASE EGM, although none of them has entered into any agreement obligating them to do so.

Under ROC law, ASE is prohibited from soliciting proxies, consents or authorizations at its shareholders' meetings, including the ASE EGM at which the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement will be voted upon. However, ASE Enterprises Limited ("ASEE"), a shareholder of ASE beneficially holding approximately 15.7% of the total outstanding share capital of ASE as of the date of this proxy statement/prospectus, has expressed that it plans to vote in favor of all of the proposals at the ASE EGM and intends to solicit proxies in favor of the authorization and approval of the Share Exchange and the other transactions

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contemplated by the Joint Share Exchange Agreement prior to the ASE EGM. ASEE is controlled by ASE's Chairman and Chief Executive Officer Jason C.S. Chang.

**Recommendation and Approval of the ASE Board and Reasons for the Share Exchange (see page 38)**

**The ASE Board recommends that ASE shareholders vote "FOR" each of the proposals to be presented at the ASE EGM.**

In the course of reaching its decision to approve the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement, the ASE board of directors (the "ASE Board") considered a number of factors in its deliberations. For a more complete discussion of these factors, see the section entitled "Special Factors —Recommendation and Approval of the ASE Board and Reasons for the Share Exchange."

Interests of ASE in SPIL Common Shares and ADSs (see page 40)

On October 1, 2015, ASE closed its acquisition of, and paid for, 779,000,000 SPIL Common Shares (including those represented by SPIL ADSs) pursuant to the tender offers in the U.S. and in the ROC (the "Initial ASE Tender Offers"). In March and April 2016, ASE acquired an additional 258,300,000 SPIL Common Shares (including those represented by SPIL ADSs) through open market purchases. As of the date of this proxy statement/prospectus, ASE held 988,847,740 SPIL Common Shares and 9,690,452 SPIL ADSs, representing 33.29% of the issue and outstanding share of SPIL.

Except as set forth elsewhere in this proxy statement/prospectus: (a) none of ASE and, to ASE's knowledge, any associate or majority-owned subsidiary of ASE beneficially owns or has a right to acquire any SPIL Common Shares, SPIL ADSs or other equity securities of SPIL; (b) none of ASE and, to ASE's knowledge, any associate or majority-owned subsidiary of ASE has effected any transaction in SPIL Common Shares, SPIL ADSs or other equity securities of SPIL during the past 60 days; and (c) during the two years before the date of this proxy statement/prospectus, there have been no transactions between ASE, its subsidiaries, on the one hand, and SPIL or any of its executive officers, directors, controlling shareholders or affiliates, on the other hand, that would require reporting under SEC rules and regulations.

Opinions of ASE's Independent Expert (see page 41)

On May 25, 2016, Mr. Ji-Sheng Chiu, CPA, of Crowe Horwath (TW) CPAs Firm, an independent expert engaged by ASE, delivered to ASE its written opinion (the “First Crowe Horwath Opinion”) that the cash consideration of NT\$55 per SPIL Common Share to be paid by HoldCo under the Share Exchange and the Exchange Ratio in which ASE Common Shares will be exchanged for HoldCo Common Shares as stipulated in the Joint Share Exchange Memorandum of Understanding (“Joint Share Exchange MOU”) were reasonable and fair. On June 29, 2016, Mr. Ji-Sheng Chiu delivered to ASE a second opinion (the “Second Crowe Horwath Opinion”) that the Cash Consideration (including conditions for adjustments) per SPIL Common Share to be paid by HoldCo in the Share Exchange and the Exchange Ratio in which ASE Common Shares will be exchanged for HoldCo Common Shares as stipulated in the Joint Share Exchange Agreement were reasonable and fair. On January 15, 2018, Mr. Ji-Sheng Chiu delivered to ASE a third opinion (the “Third Crowe Horwath Opinion,” and together with the First Crowe Horwath Opinion and the Second Crowe Horwath Opinion, the “Crowe Horwath Opinions”) that the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares and each SPIL Common Share for NT\$55 in cash (subject to adjustment to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share) pursuant to the Share Exchange was reasonable and fair. The Crowe Horwath Opinions will be available for any interested ASE shareholder (or any representative of an ASE shareholder who has been so designated in writing) to inspect and copy at ASE’s principal executive offices during regular business hours.

Financing of the Share Exchange (see page 53)

HoldCo intends to fund the Cash Consideration (including the NT\$51.2 per SPIL Common Share Cash Consideration payable to holders of the SPIL Convertible Bonds that have not been otherwise redeemed or repurchased by the SPIL, or cancelled or converted prior to the Effective Time), which is in an aggregate amount of approximately NT\$173.16 billion (US\$5.71 billion), with a combination of ASE’s cash on hand and debt financing. Subject to the amount of cash on hand at the time when ASE arranges for financing, ASE may arrange bank loans up to NT\$173 billion (US\$5.70 billion) with a combination of a syndication loan of NT\$120 billion (US\$3.96 billion) and a short-term bridge loan of NT\$53 billion (US\$1.75 billion). In a highly confident letter dated November 7, 2016 issued by Citibank Taiwan Limited (“Citibank”) to ASE, Citibank stated that it is highly

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confident of its ability to arrange debt facilities for the Share Exchange up to an amount of US\$3.8 billion equivalent. In another highly confident letter dated November 16, 2016 issued by DBS Bank Ltd., Taipei Branch (“DBS”) to ASE, DBS stated that it is confident of its ability to arrange debt facilities for the Share Exchange up to an amount of NT\$53 billion (US\$1.75 billion). Both highly confident letters contained certain customary conditions to the arrangement of such facilities, including the following material conditions: (i) the applicable bank being appointed as the bookrunner and arranger of the facility, (ii) completion of customary due diligence with the results being satisfactory to the applicable bank, (iii) final agreement on the pricing, terms and conditions for the facility, (iv) negotiation, execution and delivery of financing documentation in form and substance satisfactory to the applicable bank, (v) receipt of all relevant approvals in connection with the Share Exchange, including approval of the credit committee of the applicable bank, (vi) consummation of the Share Exchange on terms and conditions satisfactory to the applicable bank, and (vii) market conditions at the relevant time being satisfactory to the applicable bank.

In addition, on December 8, 2016, the ASE Board approved a capital increase in which ASE offered 300 million new ASE Common Shares, par value NT\$10 per share. The subscription price was later set at NT\$34.3 (US\$1.13) per share and the total amount of proceeds of such capital increase was NT\$10.29 billion (US\$339.27 million). Eighty percent of such new ASE Common Shares was subscribed for by ASE’s existing shareholders on a pro rata basis (the “Rights Offering”), ten percent of such new ASE Common Shares was subscribed for by ASE’s employees and the remaining ten percent of such new ASE Common Shares was sold to the general public in Taiwan. On December 16, 2016, ASE filed with the SEC a registration statement on Form F-3 and a preliminary prospectus supplement in connection with the Rights Offering. On February 3, 2017 and March 28, 2017, ASE filed with the SEC a prospectus supplement on Form 424B5 in connection with the Rights Offering. ASE used the proceeds of the capital increase to reduce or retire existing indebtedness, which improved its capital position and free up its borrowing capacity to facilitate the incurrence of indebtedness to finance the Share Exchange.

Board of Directors and Management of HoldCo Following Completion of the Share Exchange (see page 50)

Under ROC law, since HoldCo has not come into existence before the Effective Time, ASE will hold a shareholders’ meeting for ASE’s shareholders (also the incorporators of HoldCo) to elect members of the board of directors and supervisors for HoldCo. The ASE EGM will function as HoldCo’s incorporators’ meeting by operation of law. Therefore, at the ASE EGM, shareholders of ASE will elect the members of the board of directors and supervisors of HoldCo.

Under the terms of the Joint Share Exchange Agreement, at HoldCo’s incorporators’ meeting, nine to 13 directors and three supervisors will be elected for HoldCo, which terms of such directors and supervisors will start from the Effective Time. SPIL’s Chairman and President are expected to be appointed as directors on HoldCo’s board of directors. After the completion of the Share Exchange, subject to ASE shareholders adopting the HoldCo director and supervisor election proposals, the board of directors of HoldCo is expected to include Jason C.S. Chang (management director, Chairman), Richard H.P. Chang (management director, Vice-Chairman), Bough Lin (management

director), Chi-Wen Tsai (management director), Rutherford Chang (management director), Tien Wu (management director), Joseph Tung (management director), Raymond Lo (management director), Tien-Szu Chen (management director), Jeffrey Chen (management director), and Freddie Liu (non-management director). Alan Cheng, Yuan-Chuang Fung and Fang-Yin Chen are expected to be the supervisors of HoldCo.

From and after the Effective Time, the board of directors of HoldCo will establish an audit committee which will consist of one non-management director, Freddie Liu, who is expected to be independent under Rule 10A-3 of the Exchange Act and financially literate with accounting or related financial management expertise. ASE is currently, and upon completion of the Share Exchange, HoldCo will be, subject to NYSE corporate governance, as applicable to foreign private issuers. It is expected that the audit committee of HoldCo established on the Effective Time would satisfy and comply with the requirements of section 303A.06 of the NYSE Listing Company Manual.

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Certain ROC and U.S. Federal Income Tax Consequences of the Share Exchange (see page 54)

ROC Taxation

Capital gains realized upon the Share Exchange are exempt from ROC income tax. In the view of Baker & McKenzie, by reasonable interpretation of the ROC Mergers and Acquisitions Act based on current rules and regulations promulgated by ROC tax authority, ASE's shareholders should not be subject to ROC securities transaction tax upon the Share Exchange. See the section entitled "Special Factors — Certain ROC and U.S. Federal Income Tax Consequences of the Share Exchange for Holders of ASE Common Shares or ADSs — ROC Taxation" for further discussion.

United States Taxation

Based on certain representations from ASE and assuming ASE has not been a PFIC for any taxable year during which the U.S. Holder has owned ASE Common Shares or ADSs, a U.S. Holder (as defined below) of ASE Common Shares or ASE ADSs is not expected to recognize any gain or loss for U.S. federal income tax purposes upon an exchange of ASE Common Shares or ASE ADSs for HoldCo ADSs (or shares represented by such HoldCo Common Shares or HoldCo ADSs) in the Share Exchange, except with respect to any cash received in respect of fractional HoldCo Common Shares or fractional HoldCo ADSs or paid to dissenting U.S. Holders. See the section entitled "Special Factors — Certain ROC and U.S. Federal Income Tax Consequences of the Share Exchange for Holders of ASE Common Shares or ADSs— United States Taxation" for further discussion.

Accounting Treatment of the Share Exchange (see page 59)

Under IFRS, the Cash Consideration paid by HoldCo pursuant to the Share Exchange will be accounted for by applying the acquisition method of accounting with HoldCo being considered the acquirer of SPIL for accounting purposes. Upon the completion of the Share Exchange, HoldCo would obtain control of SPIL and any equity interest previously held in SPIL accounted for as equity method investments is treated as if it were disposed of and reacquired at fair value on the acquisition date. Accordingly, it is remeasured to its acquisition-date fair value, and any resulting gain or loss compared to its carrying amount is recognized in profit or loss. HoldCo will measure the identifiable assets acquired and the liabilities assumed at their acquisition-date fair values, and recognize goodwill as of the acquisition date measured as the excess of the Cash Consideration and the fair value of the ASE's previously held equity interest in SPIL over the net of the acquisition-date fair value of the identifiable assets acquired and the liabilities assumed. Goodwill is not amortized but is tested for impairment at least annually.



Under IFRS, the exchange of ASE Common Shares for HoldCo Common Shares and the exchange of ASE ADSs for HoldCo ADSs based on the Exchange Ratio will be accounted for as a legal reorganization of entities under common control. ASE and HoldCo are ultimately controlled by the same shareholders both before and after the Share Exchange and that control is not transitory, therefore the Share Exchange under common control will not be accounted for by applying the acquisition method as above. Accordingly, ASE will recognize no gain or loss in connection with the exchange of ASE Common Shares for HoldCo shares upon the Share Exchange under common control, and all assets and liabilities of ASE will be recorded on the books of HoldCo at the carrying amounts.

Regulatory Approvals Required to Complete the Share Exchange (see page 60)

The completion of the Share Exchange is subject to obtaining antitrust and other regulatory approvals in certain jurisdictions, as noted below. ASE and SPIL submitted the required materials to the Taiwan Fair Trade Commission (the "TFTC") on July 29, 2016 and the TFTC issued a no objection letter in respect of the Share Exchange on November 16, 2016. ASE and SPIL submitted the required materials to The Ministry of Commerce People's Republic of China ("MOFCOM") on August 25, 2016. MOFCOM formally accepted the parties' notification materials on December 14, 2016, starting Phase I of the review process. MOFCOM issued notice extending its review to Phase II review on January 12, 2017. MOFCOM issued a notice extending its review to Phase III review on April 12, 2017. On June 5, 2017, ASE withdrew the original submission filed with MOFCOM and re-filed the same application with MOFCOM on June 5, 2017. Phase II of MOFCOM's review began on July 5, 2017. Phase III

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of MOFCOM’s review began on September 30, 2017. On November 24, 2017, MOFCOM approved the proposed combination on the condition that ASE and SPIL maintain independent operations, among other conditions, for 24 months. In addition, the U.S. Federal Trade Commission (“FTC”) issued a subpoena and civil investigative demand relating to the proposed combination on October 26, 2016. On January 17, 2017, ASE and SPIL each certified that it complied with the FTC’s requests for information. On May 15, 2017, ASE received a letter from the FTC confirming that the non-public investigation of the proposed combination had been closed. See the section entitled “Special Factors — Regulatory Approvals Required to Complete the Share Exchange.”

Share Exchange Listing (see page 61)

It is expected that HoldCo Common Shares will be listed on the TWSE and HoldCo ADSs will be listed on the NYSE at the Effective Time of the Share Exchange. As a result of the Share Exchange, ASE Common Shares currently listed on the TWSE and ASE ADSs currently listed on the NYSE will cease to be listed on the TWSE and NYSE, respectively; SPIL Common Shares currently listed on the TWSE and SPIL ADSs currently listed on NASDAQ will cease to be listed on the TWSE and NASDAQ, respectively.

The following is a tentative timetable of the various trading-related events in connection with the completion of the Share Exchange:

Final trading day for ASE Common Shares and SPIL Common Shares on the TWSE	April 17, 2018 (Taiwan time)
Final trading day for ASE ADSs on the NYSE and SPIL ADSs on NASDAQ	April 17, 2018 (New York time)
Effective date of the Share Exchange	April 30, 2018 (Taiwan time)
First trading day for HoldCo Common Shares on the TWSE	April 30, 2018 (Taiwan time)
First trading day for HoldCo ADSs on the NYSE	May 1, 2018 (New York time)

In advance of completion of the Share Exchange, ASE expects to publicly announce the definitive timetable for these trading-related events.

Rights of Dissenting Shareholders (see page 62)

Under ROC law, ASE shareholders may have dissenters' rights of appraisal in connection with the Share Exchange. See the section entitled "Special Factors — Rights of Dissenting Shareholders" for a complete discussion of dissenters' rights.

However, holders of ASE ADSs will not have any appraisal rights in respect of the Share Exchange under the terms of the ASE Deposit Agreement. To be entitled to the appraisal right, ASE ADS holders must have cancelled their ASE ADSs and become holders of ASE Common Shares by close of business day in Taiwan on January 12, 2018, the last business day before January 14, 2018, the first day of the book close period of ASE Common Shares for the purpose of ASE EGM in which the Share Exchange will be voted on. Such book close period from January 14, 2018 to February 12, 2018 was announced in Form 6-K filed by ASE with the SEC on December 20, 2017.

Litigation Related to the Share Exchange (see page 64)

ASE is not aware of any lawsuit that challenges the Share Exchange or any other transactions contemplated under the Joint Share Exchange Agreement.

Expenses Relating to the Share Exchange (see page 64)

All costs and expenses incurred in connection with the Share Exchange, the Joint Share Exchange Agreement and the completion of the transactions contemplated by the Joint Share Exchange Agreement will be paid by the party incurring such costs and expenses, except as otherwise explicitly provided for in the Joint Share Exchange Agreement, whether or not the Share Exchange or any of the other transactions contemplated by the Joint Share Exchange Agreement is completed.

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Comparison of Rights of Shareholders of ASE and HoldCo (see page 64)

From a legal perspective, ASE shareholders receiving HoldCo Common Shares upon the completion of the Share Exchange will not have materially different rights from those they are entitled to as ASE shareholders. See the sections entitled “Special Factors — Comparison of Rights of Shareholders of ASE and HoldCo,” “Description of HoldCo American Depositary Shares,” and “Description of HoldCo Common Shares” for more information.

No Solicitation by SPIL of Acquisition Proposals (see page 88)

Under the terms of the Joint Share Exchange Agreement, SPIL agreed not to offer, agree, enter into or sign with any third party any contract, agreement or other arrangements in respect to certain alternative transactions, subject to certain exceptions as described in the section entitled “The Joint Share Exchange Agreement — Pre-Closing Covenants and Agreements.”

Conditions to Consummation of the Share Exchange (see page 90)

The obligations of ASE, SPIL and HoldCo to consummate the Share Exchange are subject to the satisfaction of the following conditions:

ASE and SPIL will each have obtained unconditional approval of the Share Exchange at their respective general shareholders’ meetings;

receipt of approvals from all relevant competent authorities, including, but not limited to, (i) the TWSE and the SEC (ii) the TFTC and MOFCOM and (iii) the FTC completing its investigation without seeking an injunction prohibiting the Share Exchange (in the case of (ii) and (iii), including approvals or consents of conditions imposed by such authorities that both ASE and SPIL have agreed to accept); and

no order (or agreement with the FTC) is in effect and enforceable prohibiting, enjoining or rendering illegal the consummation of the Share Exchange, and no law shall have been enacted or enforced after the date the Joint Share Exchange Agreement was executed rendering illegal or prohibiting the consummation of the Share Exchange; provided that the enforcement of an order or law shall not include the decision by a governmental entity to extend the waiting period or initiate an investigation under antitrust laws or other applicable law.

In addition, ASE's and HoldCo's obligations to consummate the Share Exchange are subject to the satisfaction or waiver by ASE and HoldCo of the following additional conditions:

all representations and warranties of SPIL are true and accurate as of the date the Joint Share Exchange Agreement was executed and as of the Effective Time, except to the extent that no material adverse effect on SPIL has occurred;

SPIL has performed in all material respects all obligations and undertakings required to be performed by it under the Joint Share Exchange Agreement prior to the Effective Time

no material adverse effect to SPIL shall have occurred prior to the Effective Time; and

prior to the Effective Time, no force majeure events will have occurred which, individually or in aggregate, result in a decrease in SPIL's consolidated net book value by 30% or more, relative to SPIL's net book value in its consolidated audited financial statements as of March 31, 2016.

In addition, SPIL's obligation to consummate the Share Exchange is subject to the satisfaction or waiver of the following additional conditions:

all representations and warranties of ASE are true and accurate as of the date the Joint Share Exchange Agreement was executed and as of the Effective Time, except to the extent that no material adverse effect on ASE has occurred

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all representations and warranties of HoldCo are true and accurate as of the Effective Time, except to the extent that no material adverse effect on HoldCo has occurred

ASE and HoldCo have performed in all material respects all obligations and undertakings required to be performed by each of them under the Joint Share Exchange Agreement prior to the Effective Time

no material adverse effect to ASE will have occurred prior to the Effective Time; and

prior to the Effective Time, no force majeure events will have occurred which, individually or in aggregate, result in a decrease in ASE's consolidated net book value by 30% or more, relative to ASE's net book value in its consolidated audited financial statements as of March 31, 2016.

The consummation of the Share Exchange is subject to the satisfaction or waiver of all the conditions set forth above on or prior to December 31, 2017 (the "Long Stop Date"). Pursuant to the Supplemental Agreement signed by ASE's Chairman and SPIL's Chairman on December 14, 2017, ASE and SPIL agreed to extend the Long Stop Date to October 31, 2018. The Supplemental Agreement will be effective upon the approval by each of ASE's and SPIL's board of directors. If the closing of the Share Exchange cannot be completed due to the failure to satisfy the conditions set forth above on or prior to the Long Stop Date, the Joint Share Exchange Agreement will automatically terminate at midnight on the day immediately following the Long Stop Date.

ASE Board does not intend to waive (where capable of waiver by ASE) any of these or any other conditions unless it determines that the Share Exchange is in the best interest of ASE and ASE shareholders despite the condition(s) not being satisfied in whole or in part.

In addition, the expected timing for the completion of the Share Exchange may be impacted by other conditions described in this proxy statement/prospectus.

Termination of Joint Share Exchange Agreement (see page 91)

The Joint Share Exchange Agreement may be terminated prior to the Effective Time by either ASE or SPIL if any of the following occurs:

a law, judgment, court order or administrative decision issued by a competent authority restricts or prohibits the consummation of the Share Exchange, and such restriction or prohibition has been confirmed and cannot be remedied by amending the Joint Share Exchange Agreement; or

the Joint Share Exchange Agreement and Share Exchange are not approved by ASE's shareholders or SPIL's shareholders at their respective shareholder meetings.

The Joint Share Exchange Agreement may also be terminated at any time prior to the Effective Time by ASE if SPIL has breached or failed to perform any of its representations, warranties, undertakings or obligations under the Joint Share Exchange Agreement and such breach leads to the failure to satisfy the conditions to the consummation of the Share Exchange and is by its nature not capable of being cured, or is not cured by SPIL within 30 business days of receiving written notice of such breach, and is not waived in writing by ASE.

The Joint Share Exchange Agreement may also be terminated at any time prior to the Effective Time by SPIL if ASE has breached or failed to perform any of its representations, warranties, undertakings or obligations under the Joint Share Exchange Agreement and such breach leads to the failure to satisfy the conditions to the consummation of the Share Exchange and is by its nature not capable of being cured, or is not cured by ASE within 30 business days of receiving written notice of such breach, and is not waived in writing by SPIL.

If the Share Exchange is not consummated on or before the Long Stop Date, the Joint Share Exchange Agreement will automatically terminate at midnight on the day immediately following the Long Stop Date.

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## Termination Fees Relating to the Share Exchange (see page 89)

SPIL may be required to pay a termination fee of NT\$17 billion (US\$0.6 billion) if the Joint Share Exchange Agreement is terminated due to SPIL's acceptance of a Superior Proposal (as defined in the Joint Share Exchange Agreement and further explained under the caption "The Joint Share Exchange Agreement — Pre-Closing Covenants and Agreements" beginning on page 89). See the section entitled "The Joint Share Exchange Agreement — Pre-Closing Covenants and Agreements" for a more complete description of the circumstances under which SPIL may be required to pay ASE a termination fee.

## Remedies and Liquidated Damages (see page 91)

Upon the occurrence of certain prescribed material events of default, in addition to any right of termination and claims for expenses, the non-defaulting party will also be entitled to liquidated damages in the amount of NT\$8.5 billion (US\$0.3 billion) from the defaulting party, subject to adjustments for contributory negligence by the non-defaulting party. See the section entitled "The Joint Share Exchange Agreement — Termination and Events of Default" for a more complete description of the circumstances under which ASE or SPIL may be required to pay the other party liquidated damages.

## Market Price Information (see page 75)

ASE Common Shares and SPIL Common Shares are listed on the TWSE under the stock code "2311" and "2325", respectively. ASE ADSs and SPIL ADSs are listed on the NYSE and NASDAQ under the symbols "ASX" and "SPIL", respectively. The following table presents the closing price information for ASE Common Shares, SPIL Common Shares, ASE ADSs and SPIL ADS on (a) May 25, 2016, the last trading day before the public announcement of the execution of the Joint Share Exchange MOU, and (b) January 12, 2018, the latest practicable trading day before the date of this proxy statement/prospectus.

Date	ASE Common Shares		SPIL Common Shares		ASE ADSs		SPIL ADSs	
	NT\$	US\$	NT\$	US\$	US\$	US\$	US\$	US\$
May 25, 2016	33.05	1.09	50.50	1.67	4.89		7.52	
January 12, 2018	38.80	1.28	50.30	1.66	6.66		8.39	



Risk Factors (See Page 66)

In determining whether to vote to approve the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement, you should consider carefully the risk factors described in this document.

Recent Development

In September 2013, ASE issued US\$400.0 million aggregate principal amount of zero coupon convertible bonds due 2018 (“ASE 2013 Convertible Bonds”). The ASE 2013 Convertible Bonds were offered to persons outside of the United States in compliance with Regulation S under the Securities Act. Prior to April 2017, US\$97.8 million aggregate principal amount of the ASE 2013 Convertible Bonds had been converted into ASE Common Shares. As of the third quarter 2017, US\$301.8 million aggregated principal amount of ASE 2013 Convertible Bonds had been converted into ASE Common Shares and US\$0.4 million aggregated principal amount had been redeemed. As of September 30, 2017, there was no outstanding balance for the ASE 2013 Convertible Bonds.

In July 2014, Anstock II Limited offered US\$300.0 million aggregate principal amount of guaranteed bonds due 2017 (the “Green Bonds”). The Green Bonds are unconditionally and irrevocably guaranteed by ASE. The Green Bonds were offered to persons outside of the United States in compliance with Regulation S under the Securities Act. On July 24, 2017, ASE fully repaid the Green Bonds.

In July 2017, the Kaohsiung Prosecutor’s Office indicted ASE’s Chief Operating Officer, Dr. Tien Wu, for alleged insider trading activities in SPIL Common Shares conducted during the period when the Initial ASE Tender Offers, the Second ASE Tender Offers and negotiations of the Joint Share Exchange MOU took place. The alleged offenses were in violations of Article 157-1 of the ROC Securities and Exchange Law. Dr. Tien has retained counsel

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and plans to vigorously defend himself. The ultimate outcome of this case is still pending and ASE is not able to predict the actions the Kaohsiung district court or other regulatory agencies may take in connection with this proceeding. Defending against this proceeding will likely be costly and time consuming and significantly divert management's efforts and resources. See the section entitled "Risk Factors—Risks Relating to Owning HoldCo ADSs— The ongoing proceeding involving Dr. Tien Wu could have an adverse impact on HoldCo's business and cause HoldCo's share price to decline."

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Selected Consolidated Financial Data

Selected Consolidated Financial Data of ASE

The selected consolidated financial data of ASE as of December 31, 2015 and 2016 and for the years ended December 31, 2014, 2015 and 2016 has been derived from ASE's audited consolidated financial statements included in its annual report on Form 20-F for the year ended December 31, 2016 filed with the SEC on April 21, 2017 ("ASE 2016 20-F"), which is included as Annex D-1 to this proxy statement/prospectus. These consolidated financial statements were prepared based on IFRS. The selected consolidated financial data as of December 31, 2012, 2013, 2014 and for the years ended December 31, 2012 and 2013, is derived from ASE's audited consolidated financial statements not included herein.

The information set forth below is only a summary and is not necessarily indicative of the results of future operations of ASE or HoldCo following completion of the Share Exchange, and you should read the following information together with ASE's consolidated financial statements, the related notes, and the section entitled "Item 5 —Operating and Financial Review and Prospects" contained in ASE 2016 20-F, which are included as Annex D-1 hereto. For more information, see the section entitled "Where You Can Find More Information."

The selected historical consolidated statement of operations data for each of the nine-month periods ended September 30, 2016 and 2017 and the consolidated balance sheet data as of December 31, 2016 and September 30, 2017 have been derived from ASE's unaudited condensed consolidated financial statements for the nine-month period ended September 30, 2017 contained in ASE's interim report on Form 6-K furnished with the SEC on December 14, 2017, which is included as Annex D-2 hereto.

In July 2016, ASE acquired preferred shares of Deca Technologies Inc. ("DECA") and accounted it as investments accounted by applying the equity method. In addition, ASE's subsidiary, ASE Test, Inc., acquired common shares of TLJ Intertech Inc. ("TLJ") and Advanced Microelectronic Products Inc. ("AMPI") in May and November 2016, respectively, and accounted them as investments accounted by applying the subsidiary and equity method, respectively. As of September 30, 2017, ASE and ASE Test, Inc. have completed the identification of the difference between the costs of the investments and ASE or ASE Test, Inc.'s share of the net fair value of DECA, TLJ and AMPI's identifiable assets and liabilities. Therefore, according to IFRS, ASE has retrospectively adjusted the comparative financial statements for prior periods. ASE considered such retrospective adjustments to be immaterial from both quantitative and qualitative perspectives. The balance sheet data as of September 30 and December 31, 2016 as well as the statement of comprehensive income data for the nine months ended September 30, 2016 and for the year ended December 31, 2016 in the following table marked as "Retrospectively Adjusted" reflected the impact from the retrospective adjustments.



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IFRS	For the Year Ended December 31,						
	2012	2013	2014	2015	2016	2016 (Retrospectively Adjusted)	US\$ (in millions, except earnings per ASE Common Share and per ASE ADS)
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$	US\$
Statement of Comprehensive Income Data:							
Operating revenues	193,972.4	219,862.4	256,591.4	283,302.5	274,884.1	274,884.1	9,000.0
Operating costs <sup>(1)</sup>	(157,342.7 )	(177,040.4 )	(203,002.9 )	(233,167.3 )	(221,689.9 )	(221,696.9 )	(7,300.0)
Gross profit <sup>(1)</sup>	36,629.7	42,822.0	53,588.5	50,135.2	53,194.2	53,187.2	1,700.0
Operating expenses <sup>(1)</sup>	(18,922.6 )	(20,760.4 )	(23,942.7 )	(25,250.6 )	(26,485.7 )	(26,526.8 )	(870.0)
Other operating income and expenses, net	83.2	(1,348.2 )	228.7	(251.5 )	(800.3 )	(800.3 )	(260.0)
Profit from operations <sup>(1)</sup>	17,790.3	20,713.4	29,874.5	24,633.1	25,908.2	25,860.1	850.0
Non-operating income (expense), net <sup>(1)</sup>	(1,181.6 )	(1,343.6 )	(1,339.4 )	378.7	2,116.9	2,108.6	69.5
Profit before income tax	16,608.7	19,369.8	28,535.1	25,011.8	28,025.1	27,968.7	920.0
Income tax expense	(2,960.4 )	(3,499.6 )	(5,666.0 )	(4,311.1 )	(5,390.8 )	(5,390.8 )	(170.0)
Profit for the year <sup>(1)</sup>	13,648.3	15,870.2	22,869.1	20,700.7	22,634.3	22,577.9	744.0
Attributable to Owners of the Company <sup>(1)</sup>	13,191.6	15,404.5	22,228.6	19,732.1	21,361.6	21,324.4	703.0
Non-controlling interests <sup>(1)</sup>	456.7	465.7	640.5	968.6	1,272.7	1,253.5	41.0
Other comprehensive income (loss), net of income tax	(3,830.7 )	3,233.3	5,504.4	(147.5 )	(7,959.3 )	(7,959.3 )	(260.0)
Total comprehensive income for the	9,817.6	19,103.5	28,373.5	20,553.2	14,675.0	14,618.6	482.0

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year								
Attributable to Owners of the Company <sup>(1)</sup>	9,420.4	18,509.6	27,394.3	19,659.1	13,994.1	13,956.9	460	
Non-controlling interests <sup>(1)</sup>	397.2	593.9	979.2	894.1	680.9	661.7	21.8	
	9,817.6	19,103.5	28,373.5	20,553.2	14,675.0	14,618.6	482	
Earnings per common share <sup>(1)(2)</sup> :								
Basic	1.77	2.05	2.89	2.58	2.79	2.78	0.09	
Diluted	1.73	1.99	2.79	2.48	2.33	2.33	0.08	
Dividends per common share <sup>(3)</sup>	2.05	1.05	1.29	2.00	1.60	1.60	0.05	
Earnings per equivalent ADS <sup>(1)(2)</sup> :								
Basic	8.86	10.26	14.46	12.89	13.94	13.91	0.46	
Diluted	8.65	9.96	13.93	12.38	11.67	11.64	0.38	
Number of common shares <sup>(4)</sup> :								
Basic	7,445.5	7,508.5	7,687.9	7,652.8	7,662.9	7,662.9	7,662.9	
Diluted	7,568.2	7,747.6	8,220.7	8,250.1	8,284.1	8,284.1	8,284.1	
Number of equivalent ADSs:								
Basic	1,489.1	1,501.7	1,537.6	1,530.6	1,532.6	1,532.6	1,532.6	
Diluted	1,513.6	1,549.5	1,644.1	1,650.0	1,656.8	1,656.8	1,656.8	

Notes:

ASE and its subsidiary, ASE Test, Inc., have completed the identification of the difference between the costs of the investments and ASE or ASE Test, Inc.'s share of the net fair value of investees' identifiable assets and liabilities in June and July 2017. Therefore, ASE has retrospectively adjusted the comparative financial statement for the nine months ended September 30, 2016 and for the year ended December 31, 2016, which differs from the results included in ASE's interim report on Form 6-K for the nine months ended September 30, 2016 and ASE 2016 20-F, respectively. See Notes 13 and 28 to the condensed consolidated financial statement as of and for the nine months ended September 30, 2017 contained in ASE's interim report on Form 6-K furnished with the SEC on December 14, 2017, which is included as Annex D-2 hereto.

The denominators for diluted earnings per ASE Common Share and diluted earnings per equivalent ASE ADS are calculated to account for the potential diluted factors, such as the exercise of options and conversion of the ASE 2013 Convertible Bonds and the ASE 2015 Convertible Bonds into ASE Common Shares.

(3)

Dividends per ASE Common Share issued as a cash dividend, a stock dividend and distribution from capital surplus.

Represents the weighted average number of shares after retroactive adjustments to give effect to stock dividends.

(4) ASE Common Shares held by consolidated subsidiaries are classified as "treasury stock," and are deducted from the number of ASE Common Shares outstanding.

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	As of December 31,						2016	
	2012	2013	2014	2015	2016	(Retrospectively Adjusted)		
	NT\$ (in millions)	NT\$	NT\$	NT\$	NT\$	NT\$	US\$	
<b>Balance Sheet Data:</b>								
Current assets	97,495.6	132,176.5	159,955.2	156,732.8	142,789.7	142,789.7	4,707.9	
Investments - non-current <sup>(1)(2)</sup>	2,267.8	2,345.5	2,409.3	38,046.6	50,861.3	50,853.0	1,676.7	
Property, plant and equipment, net	127,197.8	131,497.3	151,587.1	149,997.1	143,880.2	143,880.2	4,743.8	
Intangible assets <sup>(1)</sup>	12,361.3	11,953.6	11,913.3	11,888.6	12,119.9	12,107.6	399.2	
Long-term prepayment for lease	4,164.1	4,072.3	2,586.0	2,556.2	2,237.0	2,237.0	73.8	
Others <sup>(3)</sup>	4,236.0	4,676.9	5,267.9	5,765.6	6,063.1	6,063.1	199.8	
Total assets <sup>(1)</sup>	247,722.6	286,722.1	333,718.8	364,986.9	357,951.2	357,930.6	11,801.2	
Short-term debts <sup>(4)</sup>	36,884.9	44,618.2	41,176.0	36,983.4	20,955.5	20,955.5	690.9	
Current portion of long-term debts	3,213.8	6,016.5	2,835.5	16,843.3	16,341.1	16,341.1	538.8	
Long-term debts <sup>(5)</sup>	44,591.7	50,166.5	55,375.8	66,535.1	74,354.9	74,354.9	2,451.5	
Other liabilities <sup>(6)</sup>	53,211.8	60,176.9	78,640.1	78,700.1	79,437.9	79,437.9	2,619.1	
Total liabilities	137,902.2	160,978.1	178,027.4	199,061.9	191,089.4	191,089.4	6,300.3	
Share capital	76,047.7	78,180.3	78,715.2	79,185.7	79,568.0	79,568.0	2,623.4	
Non-controlling interests <sup>(2)</sup>	3,505.7	4,128.4	8,209.9	11,492.5	11,984.0	12,000.6	395.7	
Equity attributable to owners of the Company <sup>(1)(2)</sup>	106,314.7	121,615.6	147,481.5	154,432.5	154,877.8	154,840.6	5,105.2	

Notes:

(1)



ASE and its subsidiary, ASE Test, Inc., have completed the identification of the difference between the costs of the investments and ASE or ASE Test, Inc.'s share of the net fair value of investees' identifiable assets and liabilities in June and July 2017. Therefore, ASE has retrospectively adjusted the comparative financial statement for the nine months ended September 30, 2016 and for the year ended December 31, 2016, which differs from the results included in ASE's interim report on Form 6-K for the nine months ended September 30, 2016 and ASE 2016 20-F, respectively. See Notes 13 and 28 to the condensed consolidated financial statement as of and for the nine months ended September 30, 2017 contained in ASE's interim report on Form 6-K furnished with the SEC on December 14, 2017, which is included as Annex D-2 hereto.

- (2) Including available-for-sale financial assets — non-current and investments accounted for using the equity method.
  
- (3) Including investment properties, deferred tax assets, other financial assets — non-current and other non-current assets.
  - (4) Including short-term bank loans and short-term bills payable.
  
- (5) Including bonds payable, long-term borrowings (consisting of bank loans and bills payable) and capital lease obligations.
  
- (6) Including (x) current liabilities other than short-term debts and current portion of long-term debts and (y) non-current liabilities other than long-term debts.

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IFRS	For the Year Ended December 31,							For the September 2016
	2012	2013	2014	2015	2016	2016 (Retrospectively Adjusted)		
	NT\$ (in millions)	NT\$	NT\$	NT\$	NT\$	NT\$	US\$	NT\$
Cash Flow Data:								
Capital expenditures	(39,029.5 )	(29,142.7 )	(39,599.0 )	(30,280.1 )	(26,714.2 )	(26,714.2 )	(880.8 )	(20,000.0 )
Depreciation and amortization	23,435.9	25,470.9	26,350.8	29,518.7	29,422.3	29,470.4	971.7	22,000.0
Net cash inflow from operating activities	33,038.0	41,296.0	45,863.5	57,548.3	52,107.9	52,107.9	1,718.0	36,000.0
Net cash outflow from investing activities	(43,817.8 )	(29,925.8 )	(38,817.9 )	(63,351.4 )	(43,159.5 )	(43,159.5 )	(1,423.0 )	(37,000.0 )
Net cash inflow (outflow) from financing activities	8,455.8	12,794.9	(2,797.0 )	8,636.3	(21,087.0 )	(21,087.0 )	(695.3 )	(11,000.0 )

## Selected Consolidated Financial Data of SPIL

The selected consolidated financial data of SPIL as of December 31, 2015 and 2016 and for the years ended December 31, 2014, 2015 and 2016 has been derived from SPIL's audited consolidated financial statements included in its annual report on Form 20-F for the year ended December 31, 2016 filed with the SEC on April 11, 2017 ("SPIL 2016 20-F"), which is included as Annex E-1 hereto. The selected consolidated financial data as of December 31, 2012, 2013 and 2014 and for the years ended December 31, 2012 and 2013, is derived from SPIL's audited consolidated financial statements not included herein. These consolidated financial statements were prepared based on IFRS. The information set forth below is not necessarily indicative of future results and should be read in conjunction with "Item 5.

Operating and Financial Review and Prospects” and the consolidated financial statements, related notes and other financial information included in the SPIL 2016 20-F are included as Annex E-1 to this proxy statement/prospectus. For more information, see the section entitled “Where You Can Find More Information.”

The selected historical financial information as of September 30, 2017 and for each of the nine-month periods ended September 30, 2016 and 2017, respectively, have been derived from SPIL’s unaudited consolidated financial statements, prepared in accordance with IFRS and contained in SPIL’s interim report on Form 6-K furnished with the SEC on December 14, 2017, which is included as Annex E-2 hereto.

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IFRS	For the Year Ended December 31,						For the Nine Months September 30,	
	2012 NT\$	2013 NT\$	2014 NT\$	2015 NT\$	2016 NT\$	US\$	2016 NT\$	2017 NT\$
	(in millions, except earnings per SPIL Common Share and per SPIL ADS data)							
Statement of Comprehensive Income Data:								
Operating revenues	64,654.6	69,356.2	83,071.4	82,839.9	85,111.9	2,806.2	62,934.4	61,000.0
Operating costs	(52,915.6 )	(54,925.7 )	(62,081.3 )	(61,230.6 )	(65,762.2 )	(2,168.2 )	(48,812.5 )	(49,000.0 )
Gross profit	11,739.0	14,430.5	20,990.1	21,609.3	19,349.7	638.0	14,121.9	12,000.0
Operating expenses	(5,351.2 )	(7,391.6 )	(7,169.0 )	(8,354.8 )	(8,563.6 )	(282.3 )	(6,377.4 )	(5,000.0 )
Other operating income and expenses, net	4.6	61.2	284.3	(255.8 )	(117.0 )	(3.9 )	(184.9 )	36.0
Profit from operations	6,392.4	7,100.1	14,105.4	12,998.7	10,669.1	351.8	7,559.6	6,300.0
Non-operating income (expense), net	399.5	348.6	162.8	(2,621.2 )	1,005.0	33.1	732.8	370.0
Profit before income tax	6,791.9	7,448.7	14,268.2	10,377.5	11,674.1	384.9	8,292.4	6,700.0
Income tax expense	(1,229.7 )	(1,606.7 )	(3,050.1 )	(1,366.0 )	(1,867.2 )	(61.6 )	(1,038.9 )	(940.0 )
Profit for the year	5,562.2	5,842.0	11,218.1	9,011.5	9,806.9	323.3	7,253.5	5,800.0
Attributable to Owners of the Company	5,562.2	5,842.0	11,218.1	9,011.5	9,806.9	323.3	7,253.5	5,800.0
Non-controlling interests	—	—	—	—	—	—	—	—
Other comprehensive income (loss), net of income tax	(223.3 )	1,058.9	3,293.4	(906.8 )	(2,373.5 )	(78.2 )	(1,518.5 )	1,000.0
Total comprehensive income for the year	5,338.9	6,900.9	14,511.5	8,104.7	7,433.4	245.1	5,735.0	6,900.0
Attributable to	5,338.9	6,900.9	14,511.5	8,104.7	7,433.4	245.1	5,735.0	6,900.0

Owners of the Company								
Non-controlling interests	–	–	–	–	–	–	–	–
	5,338.9	6,900.9	14,511.5	8,104.7	7,433.4	245.1	5,735.0	6,900.9
Earnings per common share <sup>(1)</sup> :								
Basic	1.81	1.89	3.60	2.89	3.15	0.10	2.33	1.81
Diluted	1.80	1.87	3.57	2.86	2.65	0.09	1.84	1.80
Dividends per common share <sup>(2)</sup>	1.42	1.37	1.80	3.00	2.80	0.09	2.80	1.70
Earnings per equivalent ADS <sup>(1)</sup> :								
Basic	9.03	9.43	18.00	14.46	15.73	0.52	11.65	9.03
Diluted	8.99	9.37	17.87	14.30	13.23	0.44	9.20	7.30
Number of common shares:								
Basic	3,078.3	3,098.2	3,116.4	3,116.4	3,116.4	3,116.4	3,116.4	3,116.4
Diluted	3,094.2	3,116.6	3,139.5	3,150.1	3,410.7	3,410.7	3,403.9	3,410.7
Number of equivalent ADSs								
Basic	615.7	619.6	623.3	623.3	623.3	623.3	623.3	623.3
Diluted	618.8	623.3	627.9	630.0	682.1	682.1	680.8	682.1

## Notes:

The denominators for diluted earnings per SPIL Common Share and diluted earnings per equivalent SPIL ADS are (1) calculated to account for the potential diluted factors, such as conversion of SPIL Convertible Bonds into SPIL Common Shares.

(2) Dividends per SPIL Common Share issued as a cash dividend and distribution from capital surplus.

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IFRS	As of December 31,		2014 NT\$	2015 NT\$	2016 NT\$	US\$	As of September 30,	
	2012 NT\$	2013 NT\$					2016 NT\$	2016 NT\$
	(in millions)							
Balance Sheet Data:								
Current assets	33,445.6	37,825.1	55,207.9	48,785.2	50,451.3	1,663.4	44,914.8	46,000.0
Investments - non-current <sup>(1)</sup>	6,068.1	6,703.0	9,076.3	8,049.1	6,017.2	198.4	7,028.9	7,500.0
Property, plant and equipment, net	49,927.4	55,196.8	63,520.7	64,305.6	65,380.4	2,155.6	66,331.5	64,700.0
Intangible assets	516.1	355.3	249.2	192.8	175.9	5.8	181.0	123.0
Others <sup>(2)</sup>	1,895.5	1,738.7	1,698.4	1,876.5	1,702.5	56.2	1,737.1	1,880.0
Total assets	91,852.7	101,818.9	129,752.5	123,209.2	123,727.3	4,079.4	120,193.3	120,000.0
Short-term debts <sup>(3)</sup>	2,468.4	2,533.9	2,690.3	2,790.1	2,741.3	90.4	2,665.6	3,400.0
Current portion of long-term debts	3,148.6	3,154.2	6,970.1	5,991.1	16,213.4	534.6	4,972.7	14,000.0
Long-term debts <sup>(4)</sup>	12,038.2	15,355.6	24,669.5	20,485.3	14,840.0	489.3	24,044.8	13,700.0
Other liabilities <sup>(5)</sup>	15,279.4	18,903.5	24,648.8	24,413.5	24,812.1	818.1	25,088.2	22,500.0
Total liabilities	32,934.6	39,947.2	58,978.7	53,680.0	58,606.8	1,932.4	56,771.3	54,400.0
Share capital	31,163.6	31,163.6	31,163.6	31,163.6	31,163.6	1,027.5	31,163.6	31,100.0
Non-controlling interests	—	—	—	—	—	—	—	—
Equity attributable to owners of the Company	58,918.1	61,871.7	70,773.8	69,529.2	65,120.5	2,147.1	63,422.0	66,500.0

## Notes:

(1) Including available-for-sale financial assets — non-current and investments accounted for using the equity method.

(2) Including deferred tax assets, other financial assets — non-current and other non-current assets.

(3) Including short-term bank loans and short-term bills payable.

(4) Including convertible bonds and long-term loans.

(5) Including current liabilities other than short-term debts and current portion of long-term debts, non-current liabilities other than long-term debts and current income tax liabilities.

IFRS	For the Year Ended December 31,					US\$	For the Nine Months E September 30,	
	2012 NT\$	2013 NT\$	2014 NT\$	2015 NT\$	2016 NT\$		2016 NT\$	2017 NT\$
	(in millions)							
Cash Flow Data:								
Capital expenditures	(15,142.3 )	(14,978.7 )	(19,560.7 )	(13,855.4 )	(15,295.1 )	(504.3 )	(11,858.8 )	(10,62
Depreciation and amortization	10,100.4	11,033.7	12,435.8	13,513.9	13,291.2	438.2	9,939.1	10,784
Net cash inflow from operating activities	13,366.1	17,747.9	24,945.2	26,784.2	20,844.6	687.3	13,668.7	13,083
Net cash outflow from investing activities	(15,872.4 )	(15,588.3 )	(19,243.8 )	(16,587.4 )	(14,041.7 )	(463.0 )	(10,607.1 )	(10,14
Net cash inflow (outflow) from financing activities	2,520.1	(1,150.3 )	7,292.2	(15,096.3 )	(7,161.3 )	(236.1 )	(8,751.1 )	(6,506

## Ratio of Earnings to Fixed Charges of SPIL

	For the Year Ended December 31,					For the Nine Months Ended	
	2012	2013	2014	2015	2016	September 30, 2016	2017
Ratio of earnings to fixed charges <sup>(1)</sup>	25.27	18.62	24.70	15.49	15.90	15.36	11.67

Note:

For purposes of calculating the ratio of earnings to fixed charges, earnings consist of income before income tax expenses from continuing operations before adjustment for equity in losses of affiliated companies adding fixed (1) charges and subtracting preference security dividend requirements of consolidated subsidiaries. Fixed charges consist of interest expensed, amortized discounts related to indebtedness, an estimate of the interest within rental expense and preference security dividend requirements of consolidated subsidiaries.

Net book value per share per SPIL Common Share

Based on SPIL's financial statements as of and for the nine months ended September 30, 2017, SPIL's net book value per share as of September 30, 2017, calculated by dividing total shareholders' equity by the number of SPIL Common Shares (including those represented by SPIL ADSs) outstanding, was NT\$21.36 (US\$0.70).



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## Selected Unaudited Pro Forma Condensed Combined Financial Data

The following sets forth the unaudited pro forma condensed combined financial data of HoldCo after giving effect to the Share Exchange of acquiring ASE and SPIL based upon the assumptions and adjustments described in the section entitled “Unaudited Pro Forma Condensed Financial Statements”.

The selected unaudited pro forma condensed combined statements of operations for the nine months ended September 30, 2017 and for the year ended December 31, 2016 have been prepared to give effect to the Share Exchange as if it had occurred on January 1, 2016. The selected unaudited pro forma condensed balance sheet as of September 30, 2017 has been prepared to give effect to the Share Exchange as if it had been completed on September 30, 2017.

The selected pro forma condensed combined financial data, which is preliminary in nature, has been derived from, and should be read in conjunction with, the more detailed unaudited pro forma combined financial information of the combined company and the accompanying notes appearing in the section entitled “Unaudited Pro Forma Condensed Financial Statements.” The unaudited pro forma condensed financial statements have been presented in accordance with SEC Regulation S-X Article 11 and are not necessarily indicative of what the combined company’s financial position or results of operations actually would have been had the Share Exchange been completed as of the Effective Time. In addition, the selected unaudited pro forma condensed combined financial data does not purport to project the future financial position or operating results of the combined company.

## Unaudited Pro Forma Condensed Consolidated Statements of Operations

	For the Year Ended December 31, 2016		For the Nine Months Ended September 30, 2017	
	NT\$	US\$	NT\$	US\$
	(in millions, except for per share data)			
Operating revenue	359,996.0	11,869.3	268,386.7	8,848.8
Profit from operations	32,486.0	1,071.1	21,179.8	698.2
Profit	24,889.3	820.6	19,246.2	634.5
Profit attributable to HoldCo	23,635.8	779.3	18,111.6	597.1
Earnings per common share attributable to HoldCo common shareholders				
Basic	5.96	0.20	4.32	0.14
Diluted	5.39	0.18	4.32	0.14

Earnings per ADS attributable to HoldCo common shareholders

Basic	29.78	0.98	21.61	0.71
Diluted	26.96	0.89	21.61	0.71

Unaudited Pro Forma Condensed Consolidated Balance Sheet

	As of September 30, 2017 (in millions, except for per share data)	
	NT\$	US\$
Total assets	516,723.5	17,036.7
Total liability	313,430.9	10,334.0
Total equity	203,292.6	6,702.7
Share capital	41,902.4	1,381.6
Common shares	4,190,239,051	4,190,239,051
Book value per share attributable to HoldCo common shareholders	45.46	1.5
Book value per ADS attributable to HoldCo common shareholders	227.32	7.49

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## Comparative Historical and Unaudited Pro Forma Per Share Data

The following tables set forth, as at the dates and for the periods indicated, comparative historical unaudited and pro forma unaudited combined per share financial information for HoldCo's Common Shares. This information should be read in conjunction with, and the information is qualified in its entirety by, the consolidated financial statements and the accompanying notes of ASE and SPIL included in their respective annual reports on Form 20-F and interim reports on Form 6-K, included as Annex D-1, Annex D-2, Annex E-1 and Annex E-2 hereto. See the section entitled "Where You Can Find More Information."

The following pro forma information has been prepared in accordance with the rules and regulations of the SEC and accordingly includes the effects of applying the acquisition method of accounting. This information is based on assumptions that we believe are reasonable under the circumstances. You should not rely on the pro forma combined amounts as they are not necessarily indicative of the operating results or financial position that would have occurred if the Share Exchange had been completed as of the dates indicated, nor are they indicative of the future operating results or financial position of HoldCo.

The pro forma data included in the following tables assume that the Share Exchange had occurred on January 1, 2016 for results of operations purposes and on September 30, 2017 for financial position purposes; and that the Share Exchange is accounted for by applying the acquisition method of accounting with ASE treated as the accounting acquirer and SPIL treated as the acquired company for financial reporting purposes.

	For the Year Ended December 31, 2016		For the Nine Months Ended September 30, 2017	
	NT\$	US\$	NT\$	US\$
Basic earnings per common share				
Historical of ASE	2.78	0.09	2.16	0.07
Historical of SPIL	3.15	0.10	1.87	0.06
Pro forma combined of HoldCo	5.96	0.20	4.32	0.14
Diluted earnings per common share				
Historical of ASE	2.33	0.08	1.98	0.07
Historical of SPIL	2.65	0.09	1.46	0.05
Pro forma combined of HoldCo	5.39	0.18	4.32	0.14
Basic earnings per ADS				
Historical of ASE	13.91	0.46	10.81	0.36
Historical of SPIL	15.73	0.52	9.35	0.31
Pro forma combined of HoldCo	29.78	0.98	21.61	0.71

Diluted earnings per ADS				
Historical of ASE	11.64	0.38	9.88	0.33
Historical of SPIL	13.23	0.44	7.30	0.24
Pro forma combined of HoldCo	26.96	0.89	21.61	0.71
Dividends per common share				
Historical of ASE	1.60	0.05	1.40	0.05
Historical of SPIL	2.80	0.09	1.75	0.06
Pro forma combined of HoldCo	**	**	**	**

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	<b>As of</b>	
	<b>September</b>	
	<b>30, 2017</b>	
	<b>NT\$</b>	<b>US\$</b>
<b>Book value per common share at period end</b>		
Historical of ASE	21.87	0.72
Historical of SPIL	21.36	0.70
Pro forma combined of HoldCo	45.46	1.5
<b>Book value per ADS at period end</b>		
Historical of ASE	109.36	3.61
Historical of SPIL	106.81	3.52
Pro forma combined of HoldCo	227.32	7.49

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Unaudited Pro Forma Condensed Financial Statements

The following sets forth the unaudited pro forma condensed combined financial statements of HoldCo after giving effect to the Share Exchange and assumed borrowing of NT\$95,000.0 million (US\$3,132.2 million) and utilization of the existing cash of NT\$11,441.0 million (US\$377.2 million) to fund the acquisition as described below in Notes 1 and 5 to Pro Forma Assumptions and Adjustments. The “Unaudited Pro Forma Condensed Combined Statements of Operations”, which we refer to in this proxy statement/prospectus as the Pro Forma Statements of Operations, give effect to the Share Exchange as if ASE’s initial acquisitions of SPIL’s 33.29% shareholding and the subsequent acquisition of SPIL’s 66.71% shareholding which constitute acquisitions of 100% shareholding of SPIL had occurred on January 1, 2016. The “Unaudited Pro Forma Condensed Combined Balance Sheet” gives effect to the Share Exchange as if it had been completed on September 30, 2017. The Pro Forma Statements of Operations for the year ended December 31, 2016 combines the results of operations of ASE and SPIL for the year ended December 31, 2016. The Pro Forma Statement of Operations for the nine months ended September 30, 2017 combines the results of operations of ASE and SPIL for the nine months ended September 30, 2017. The historical consolidated financial information has been adjusted in the unaudited pro forma condensed combined financial statements to reflect the pro forma impact of events that are directly attributable to the transactions contemplated by the Joint Share Exchange Agreement, factually supportable and, with respect to the Pro Forma Statements of Operations, are expected to have a continuing impact on the combined results.

The unaudited pro forma condensed combined financial statements have been prepared under IFRS for (i) the Share Exchange of ASE will be accounted as a legal reorganization of entities under common control and all assets and liabilities of ASE will be recorded on the books of HoldCo at the carrying amounts; (ii) the cash consideration paid by HoldCo pursuant to the Share Exchange in respect of SPIL will be accounted for by applying the acquisition method of accounting with ASE treated as the accounting acquirer and SPIL treated as the acquired company for financial reporting purposes. The acquisition method of accounting is dependent upon certain valuations and other studies that are in progress. Accordingly, the pro forma adjustments are preliminary, have been made solely for the purpose of preparing the unaudited pro forma condensed combined financial statements and are subject to revision based on a final determination of fair value as of the date of acquisition. Differences between these preliminary estimates and the final acquisition accounting may have a material impact on the accompanying unaudited pro forma condensed combined financial statements and HoldCo’s future results of operations and financial position.

The unaudited pro forma condensed combined financial statements do not reflect any cost savings or associated costs to achieve such savings from operating efficiencies, synergies, debt refinancing or other restructuring that may result from the Share Exchange. The unaudited pro forma condensed combined financial statements are not necessarily indicative of the operating results or financial position that would have occurred if the Share Exchange had been completed on the dates assumed, nor are they necessarily indicative of the future operating results or financial position of the combined company. In addition, the unaudited pro forma condensed combined financial statements include adjustments which are preliminary and may be revised. There can be no assurance that such revisions will not result in material changes to the information presented.

The unaudited pro forma condensed combined financial statements have been derived from and should be read in conjunction with the consolidated financial statements and the accompanying notes of ASE and SPIL included in their respective annual reports on Form 20-F and interim reports on Form 6-K, included as annexes to this proxy statement/prospectus.

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ASE Industrial Holding Co., Ltd.

Unaudited Pro Forma Condensed Combined Statement of Operations

For the year ended December 31, 2016

	ASE		SPIL		Pro Forma Adjustment		Notes	Pro Forma I
	NT\$ (Retrospectively Adjusted) (in millions, except per share data)	US\$ (Retrospec-tive Adjusted)	NT\$	US\$	NT\$	US\$		
Operating revenues	274,884.1	9,063.1	85,111.9	2,806.2	-	-		359,996.0
Operating costs	(221,696.9 )	(7,309.5 )	(65,762.2 )	(2,168.2 )	(3,625.0 )	(119.5 )	5(a)	(291,084.1 )
Gross profit	53,187.2	1,753.6	19,349.7	638.0	(3,625.0 )	(119.5 )		68,911.9
Operating expenses	(26,526.8 )	(874.6 )	(8,563.6 )	(282.3 )	(418.2 )	(13.8 )	5(b)	(35,508.6 )
Other operating income and expenses, net	(800.3 )	(26.4 )	(117.0 )	(3.9 )	-	-		(917.3 )
Profit from operations	25,860.1	852.6	10,669.1	351.8	(4,043.2 )	(133.3 )		32,486.0
Non-operating income (expense), net	2,108.6	69.5	1,005.0	33.1	(3,452.3 )	(113.8 )	5(c)	(338.7 )
Profit before income tax	27,968.7	922.1	11,674.1	384.9	(7,495.5 )	(247.1 )		32,147.3
Income tax expense	(5,390.8 )	(177.7 )	(1,867.2 )	(61.6 )	-	-		(7,258.0 )
Profit	22,577.9	744.4	9,806.9	323.3	(7,495.5 )	(247.1 )		24,889.3
Profit attributable to non-controlling interests	(1,253.5 )	(41.3 )	-	-	-	-		(1,253.5 )
Profit attributable to the parent company	21,324.4	703.1	9,806.9	323.3	(7,495.5 )	(247.1 )		23,635.8
Shares used in computing earnings per common share (in millions)								
Basic	7,662.9	7,662.9	3,116.4	3,116.4				3,968.2



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Diluted	8,284.1	8,284.1	3,410.7	3,410.7	3,968.2
Earnings per common share					
Basic	2.78	0.09	3.15	0.10	5.96
Diluted	2.33	0.08	2.65	0.09	5.39

The accompanying notes are an integral part of these unaudited pro forma condensed combined financial statements.

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For the nine months ended September 30, 2017

	ASE NT\$	US\$	SPIL NT\$	US\$	Pro Forma Adjustment NT\$	US\$	Notes	Pro Forma I NT\$
(in millions, except per share data)								
Operating revenues	206,455.1	6,806.9	61,931.6	2,041.9	-	-		268,386.7
Operating costs	(168,516.6 )	(5,556.1 )	(49,602.7 )	(1,635.4 )	(2,718.8 )	(89.7 )	5(d)	(220,838.1 )
Gross profit	37,938.5	1,250.8	12,328.9	406.5	(2,718.8 )	(89.7 )		47,548.6
Operating expenses	(20,426.6 )	(673.4 )	(5,973.7 )	(197.0 )	(279.3 )	(9.2 )	5(e)	(26,679.6 )
Other operating income and expenses, net	274.3	9.0	36.5	1.2	-	-		310.8
Profit from operations	17,786.2	586.4	6,391.7	210.7	(2,998.1 )	(98.9 )		21,179.8
Non-operating income (expense), net	5,401.3	178.1	373.9	12.4	(2,121.6 )	(70.0 )	5(f)	3,653.6
Profit before income tax	23,187.5	764.5	6,765.6	223.1	(5,119.7 )	(168.9 )		24,833.4
Income tax expense	(4,638.0 )	(152.9 )	(949.2 )	(31.3 )	-	-		(5,587.2 )
Profit	18,549.5	611.6	5,816.4	191.8	(5,119.7 )	(168.9 )		19,246.2
Profit attributable to non-controlling interests	(1,134.6 )	(37.4 )	-	-	-	-		(1,134.6 )
Profit attributable to the parent company	17,414.9	574.2	5,816.4	191.8	(5,119.7 )	(168.9 )		18,111.6
Shares used in computing earnings per common share (in millions)								
Basic	8,057.6	8,057.6	3,116.4	3,116.4				4,190.2
Diluted	8,266.1	8,266.1	3,412.0	3,412.0				4,190.2
Earnings per common share								
Basic	2.16	0.07	1.87	0.06				4.32
Diluted	1.98	0.07	1.46	0.05				4.32

The accompanying notes are an integral part of these unaudited pro forma condensed combined financial statements.

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ASE Industrial Holding Co., Ltd.

Unaudited Pro Forma Condensed Combined Balance Sheet as of September 30, 2017

	ASE NT\$ (in millions)	US\$	SPIL NT\$	US\$	Pro Forma Adjustment NT\$	US\$	Notes	Pro Forma NT\$
Current assets	139,912.2	4,613.0	46,610.1	1,536.8	(11,447.9 )	(377.5 )	4	175,074.4
Investments - non-current	50,038.2	1,649.8	7,582.6	250.0	(45,898.2 )	(1,513.3 )	5(g)	11,722.6
Property, plant and equipment, net	136,982.0	4,516.4	64,789.6	2,136.2	11,365.7	374.7	2	213,137.4
Intangible assets	11,830.1	390.0	123.5	4.1	80,435.3	2,652.0	2	92,388.9
Others	21,333.1	703.4	1,884.9	62.1	1,182.3	39.0	2	24,400.3
Total assets	360,095.6	11,872.6	120,990.7	3,989.2	35,637.2	1,174.9		516,723.4
Short-term debts	19,638.4	647.5	3,479.9	114.7	-	-		23,118.3
Current portion of long-term debts	13,018.6	429.2	14,651.6	483.1	-	-		27,670.2
Long-term debts	49,888.8	1,644.9	13,753.3	453.5	95,000.0	3,132.1	5(h)	158,642.4
Other liabilities	81,453.1	2,685.6	22,531.5	742.9	15.7	0.5	3	104,000.3
Total liabilities	163,998.9	5,407.2	54,416.3	1,794.2	95,015.7	3,132.6		313,430.4
Outstanding share capital	83,804.8	2,763.1	31,163.6	1,027.5	(73,066.0 )	(2,409.0 )	5(i)	41,902.4
Other equity attributable to owners of the Company	99,501.1	3,280.6	35,410.8	1,167.5	13,687.5	451.3	5(i)	148,599.9
Non-controlling interests	12,790.8	421.7	-	-	-	-		12,790.8
Total equity	196,096.7	6,465.4	66,574.4	2,195.0	(59,378.5 )	(1,957.7 )		203,292.4
Total liabilities and stockholders' equity	360,095.6	11,872.6	120,990.7	3,989.2	35,637.2	1,174.9		516,723.4

The accompanying notes are an integral part of these unaudited pro forma condensed combined financial statements.



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NOTES TO PRO FORMA ASSUMPTIONS AND ADJUSTMENTS

1. Total Share Exchange consideration and financing structure

On June 30, 2016, ASE and SPIL entered into a Joint Share Exchange Agreement pursuant to which HoldCo will be formed by means of a statutory share exchange pursuant to the laws of the Republic of China, and HoldCo will (i) acquire all issued shares of ASE in exchange for shares of HoldCo using the Exchange Ratio, whereby ASE shareholders will receive 0.5 HoldCo Common Shares for each ASE Common Share they hold as described elsewhere in this document, and (ii) acquire all issued shares of SPIL using the Cash Consideration as described below. Upon the consummation of the Share Exchange, ASE and SPIL will become wholly owned subsidiaries of HoldCo concurrently. Subject to the Share Exchange and the Joint Share Exchange Agreement being approved by shareholders of ASE and SPIL, and upon the satisfaction of the other conditions for completing the Share Exchange, HoldCo will be formed and the Share Exchange is expected to become effective.

HoldCo was assumed to issue 4,190,239,051 common shares at NT\$10 par value (or share capital of NT\$41,902.4 million) to ASE shareholders based on the number of issued shares of ASE on September 30, 2017. The estimated cash consideration paid to SPIL shareholders was NT\$159,557.7 million based on the number of issued shares of SPIL on September 30, 2017 at NT\$51.2 per share, whereby NT\$55 per share has been adjusted to NT\$51.2 after excluding the cash dividend distribution and a return of capital reserve of NT\$3.8 per SPIL Common Share distributed by SPIL on July 1, 2016.

The Cash Consideration will be subject to adjustments if SPIL issues shares or pays cash dividends during the period from the execution date of the Joint Share Exchange Agreement to the Effective Time; provided, however, that the Cash Consideration shall not be subject to adjustment if the aggregate amount of the cash dividends distributed by SPIL in fiscal year 2017 is less than 85% of its after-tax net profit for fiscal year 2016. In fiscal year 2017, SPIL made a dividend distribution of NT\$1.75 per share to its shareholder, which represented 55% of its after-tax net profit for fiscal year 2016. Therefore, no adjustments were made to the Cash Consideration.

Since ASE currently owns 33.29% shareholding of SPIL, for the purpose of presenting the accompanying pro forma combined balance sheet as of September 30, 2017, the cash consideration of NT\$106,441.0 million (US\$3,509.4 million), which represented the amount to acquire the remaining 66.71% shareholding, was assumed to be funded by NT\$11,441.0 million (US\$377.2 million) from ASE's existing cash and NT\$95,000.0 million (US\$3,132.2 million) financed from banks recorded as long-term debts. For the purpose of presenting the accompany pro forma combined statements of operations, it was assumed that ASE's initial acquisition of SPIL's 33.29% shareholding and the subsequent acquisition of SPIL's 66.71% shareholding, which together constitute the acquisition of 100% of the shareholding of SPIL, had occurred on January 1, 2016.

## 2. Preliminary estimated purchase price allocation

The pro forma combined financial statements reflect the following estimated acquisition-date fair value of tangible assets, liabilities, and other intangible assets of SPIL.

	Book Value	Fair Value Adjustments	Fair Value
	(in NT\$ millions)		
Current assets	46,610.1	–	46,610.1
Investments - non-current	7,582.6	–	7,582.6
Property, plant and equipment, net	64,789.6	11,365.7	76,155.3
Intangible assets	123.5	26,300.0	26,423.5
Goodwill	–	54,135.3	54,135.3
Other non-current assets	1,884.9	1,182.3	3,067.2
Short-term debts	3,479.9	–	3,479.9
Current portion of long-term debts	14,651.6	–	14,651.6
Long-term debts	13,753.3	–	13,753.3
Other liabilities	22,531.5	–	22,531.5
Total estimated purchase price consideration	66,574.4	92,983.3	159,557.7

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Purchased property, plant and equipment and identified intangible assets are being depreciated or amortized on a straight-line basis over its weighted-average remaining useful life of approximately ten years.

The estimated fair values and useful lives of assets acquired and liabilities assumed are based on preliminary management estimates and are subject to final valuation adjustments, which may cause some of the amounts ultimately recorded as goodwill to be materially different from those shown on the unaudited pro forma condensed consolidated balance sheets. The acquisition accounting is dependent upon certain valuations and other studies that have yet to progress to a stage where there is sufficient information for definitive measurement. HoldCo intends to complete the valuations and other studies no later than a one-year measurement period following the Effective Time in accordance with IFRS.

For the purposes of this unaudited pro forma financial information, it has been assumed that the fair value evaluation was performed at the Effective Time, September 30, 2017, and the related assumption or calculation was as below.

- (i) Property, plant and equipment, net:

The fair value adjustment of property, plant and equipment is NT\$11,365.7 million (US\$374.7 million).

The weighted-average remaining useful life of property, plant and equipment is approximately 10 years, and the estimated depreciation is NT\$1,657.1 million (US\$54.6 million) and NT\$1,242.9 million (US\$41.0 million) reflected as a pro forma adjustment under operating costs in the Pro Forma Statements of Operations for the year ended December 31, 2016 and for the nine months ended September 30, 2017, respectively. The actual depreciation may differ significantly between periods based upon the final value assigned and the depreciation period used for property, plant and equipment.

- (ii) Intangible assets:

For purposes of these Pro Forma Financial Statements, preliminary identifiable intangible assets consist of an estimated NT\$7,800.0 million (US\$257.2 million) for customer relationships and NT\$18,500.0 million (US\$610.0 million) for patented technology. These identifiable intangible assets are finite-lived intangible assets with useful life of 10 years.

The estimated amortization related to these intangible assets is NT\$1,947.3 million (US\$64.2 million) and NT\$795.9 million (US\$26.2 million) reflected as a pro forma adjustment under operating costs and operating expenses in the Pro



Forma Statement of Operations for the year ended December 31, 2016, respectively, and NT\$1,460.5 million (US\$48.2 million) and NT\$596.9 million (US\$19.7 million) as a pro forma adjustment under operating costs and operating expenses in the Pro Forma Statement of Operations for the nine months ended September 30, 2017, respectively. The actual amortization may differ significantly between periods based upon the final value assigned and the amortization period used for each identifiable intangible asset.

(iii)

Goodwill:

Goodwill is calculated as the difference between the acquisition date fair value of the consideration expected to be transferred and the values assigned to the assets acquired and liabilities assumed.

(iv)

Other non-current assets:

The fair value adjustment of land use rights is NT\$1,182.3 million (US\$39.0 million). The remaining useful life of land use right years are approximately 50 years, and the estimated amortization is NT\$20.6

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million (US\$0.7 million) and NT\$15.4 million (US\$0.5 million) reflected as a pro forma adjustment under operating costs in the Pro Forma Statements of Operations for the year ended December 31, 2016 and for the nine months ended September 30, 2017, respectively.

## 3. SPIL Acquisition and Share Exchange cost

Total costs related to the SPIL acquisition and the Share Exchange cost are estimated at approximately NT\$806.4 million, including (1) NT\$95.4 million and NT\$377.7 million incurred during the year ended December 31, 2015 and 2016, respectively, and NT\$317.6 million incurred during the nine months ended September 30, 2017, and (2) NT\$15.7 million that have not yet incurred as of September 30, 2017. Such costs include financial, accounting, legal and other consulting fees associated until the completion of the Share Exchange. The costs of NT\$15.7 million (US\$0.5 million) not incurred as of September 30, 2017 has been reflected as a pro forma adjustment to retained earnings and other liabilities on the unaudited pro forma condensed consolidated balance sheets as of September 30, 2017.

## 4. Interest cost

Interest expense in the Pro Forma Statements of Operations for the year ended December 31, 2016 and for the nine months ended September 30, 2017 has been adjusted as follows based on the expected sources of funding described as follows:

	Principal from January 1, 2016 to September 30, 2017	Effective Interest Rate	Interest Expense for the Year Ended December 31, 2016 Pro Forma Statement of Operations	Interest Expense for the Nine Months Ended September 30, 2017 Pro Forma Statement of Operations
	(in NT\$ million, except for percentages)			
Long-term debts	95,000	1.82%	1,727.3	1,295.6

The cash consideration of NT\$106,441.0 million to acquire the remaining 66.71% shareholding of SPIL as described in Note 1 above was assumed to be funded by NT\$11,441.0 million from ASE's existing cash and NT\$95,000.0 million financed from banks. For the purposes of calculating the pro forma interest expense, it was assumed that the bank loan of NT\$95,000 million was fully drawn-down by HoldCo on January 1, 2016. The floating borrowing rate was assumed to be based on a 1.82 % interest rate for the time span of the bank loan period for interest expense

calculation. However, the final bank loan interest rate may differ from the rates in place when actually drawdown.

For the purposes of calculating the above interest expense, the effective interest rate also includes coordination and arrangement fees. A hypothetical change in interest rates of 0.125% would increase or decrease total interest expense of the Pro Forma Statements of Operations by approximately NT\$118.8 million (US\$3.9 million) and NT\$89.1 million (US\$2.9 million) for the year ended December 31, 2016 and for the nine months ended September 30, 2017, respectively.

For the purposes of this unaudited pro forma financial information, it has been assumed that the interest expense on the debt financing incurred to fund the Share Exchange will not be deductible for tax purposes. This assumption may be subject to change and may not be reflective of the deductions that will be available in future periods after completion of the Share Exchange.

#### 5. Pro Forma Adjustments

Adjustment to recognize depreciation and amortization of the fair value adjustment on property, plant and (a) equipment, patented technology and other noncurrent assets of NT\$3,625.0 million (US\$119.5 million) as described in Note 2 (i) (ii) (iv) above.

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Adjustment to recognize amortization of fair value adjustment on customer relationships of NT\$795.9 million (b) (US\$26.2 million) as described in Note 2 (ii) above and to reverse of the incurred consulting fee related to the acquisition of SPIL as an equity method investment of NT\$377.7 million (US\$12.4 million).

Adjustment to (i) remove ASE's share of profit of equity method associates in SPIL of NT\$1,725.0 million (c) (US\$56.8 million) and (ii) accrue the interest expense of NT\$1,727.3 million (US\$57.0 million) as described in Note 4 above.

Adjustment to recognize depreciation and amortization of the fair value adjustment on property, plant and (d) equipment, patented technology and other noncurrent assets of NT\$2,718.8 million (US\$89.7 million) as described in Note 2 (i) (ii) (iv).

Adjustment to recognize amortization of fair value adjustment on customer relationships of NT\$596.9 million (e) (US\$19.7 million) as described in Note 2 (ii) above and to reverse the incurred consulting fee related to the acquisition of SPIL as equity method investment of NT\$317.6 million (US\$10.5 million).

Adjustment to (i) remove ASE's share of profit of equity method associates in SPIL of NT\$826.0 million (US\$27.2 (f) million) and (ii) accrue the interest expense of NT\$1,295.6 million (US\$42.8 million) as described in Note 4 above.

(g) Adjustment to remove ASE's investments accounted for using the equity method in SPIL as of September 30, 2017 under the assumption that HoldCo acquired a 100% shareholding in SPIL as of September 30, 2017.

(h) Adjustment to reflect the assumed HoldCo's borrowing for the cash consideration of SPIL in the amount of NT\$95,000 million (US\$3,132.1 million) as described in Note 4 above.

(i) Adjustment to common shares and additional paid in capital in exchange for ASE Common Shares with HoldCo Common Shares using the share exchange ratio as described in Note 1 above and adjust the effect of derecognizing investment of equity method associate of SPIL as of September 30, 2017 to other equity under the assumption that HoldCo acquired 100% shareholding of SPIL as of September 30, 2017.

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Special Factors

Effects of the Share Exchange

Upon the terms and subject to the conditions of the Joint Share Exchange Agreement, and in accordance with the applicable provisions of the ROC Company Law, at the Effective Time, HoldCo will acquire all issued shares of ASE and SPIL, and ASE and SPIL will become wholly owned subsidiaries of HoldCo concurrently.

The following chart depicts the organizational structure of each of ASE and SPIL before the Share Exchange as of the date of this proxy statement/prospectus and immediately after the Effective Time.

Before the Share Exchange as of the date of this proxy statement/prospectus:

Immediately after the Effective Time:

Pursuant to the terms and subject to the conditions set forth in the Joint Share Exchange Agreement, at the Effective Time:

(i) for SPIL shareholders:

each SPIL Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including SPIL's treasury shares and the SPIL Common Shares beneficially owned by ASE), will be transferred to HoldCo in consideration for the right to receive NT\$51.2 (representing NT\$55 *minus* a cash dividend and a return of capital reserve of NT\$3.8 per SPIL Common Share distributed by SPIL on July 1, 2016), payable by HoldCo in cash in NT dollars, without interest and net of any applicable withholding taxes; and

each SPIL ADS will be cancelled in exchange for the right to receive through SPIL Depository, the US dollar equivalent of NT\$256 (representing five times of the SPIL Common Shares Cash Consideration) *minus* (i) all processing fees and expenses per SPIL ADS in relation to the conversion from NT dollars into US dollars, and (ii) US\$0.05 per SPIL ADS cancellation fees pursuant to the terms of the SPIL Deposit Agreement, payable in cash in US dollars, without interest and net of any applicable withholding taxes. Within three ROC business days after the Effective Time, SPIL Depository will receive the aggregate amount of SPIL ADS Cash Consideration in NT dollars for all issued SPIL ADSs through SPIL's share registrar. SPIL ADS Holders of record will receive the SPIL ADS Cash Consideration through SPIL Depository upon surrendering their SPIL ADSs for cancellation to SPIL Depository after the Effective Time.

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At the Effective Time, HoldCo will acquire all issued shares of SPIL, and therefore HoldCo would be entitled to all benefits resulting from its 100% ownership of SPIL, including all of SPIL's net book value and net income or loss. Similarly, HoldCo would also bear all of the risk of losses generated by SPIL's operations and any decrease in the value of SPIL after the Share Exchange. Upon consummation of the Share Exchange, SPIL would become a wholly owned subsidiary of HoldCo. Accordingly, former SPIL shareholders would not have the opportunity to participate in the earnings and growth of SPIL after the Share Exchange and would not have any right to vote on corporate matters. Similarly, former SPIL shareholders would not face the risk of losses generated by SPIL's operations or decline in the value of SPIL after the Share Exchange. Further, the SPIL Common Shares would be delisted from the TWSE and SPIL ADSs would be delisted from NASDAQ and would become eligible for deregistration under the Exchange Act.

(ii) for ASE shareholders:

each ASE Common Share, par value NT\$10 per share, issued immediately prior to the Effective Time (including ASE's treasury shares), will be transferred to HoldCo in consideration for the right to receive 0.5 HoldCo Common Shares; and

each ASE ADS, currently representing five ASE Common Shares, will, after the Effective Time, represent the right to receive 1.25 HoldCo ADSs, each HoldCo ADS representing two HoldCo Common Shares, upon surrender for cancellation to the ASE Depository after the Effective Time.

Under ROC law, if any fractional HoldCo Common Shares representing less than one common share would otherwise be allotted to former holders of ASE Common Shares in connection with the Share Exchange, those fractional shares will not be issued to those shareholders. Pursuant to the Joint Share Exchange Agreement, ASE will aggregate the fractional entitlements and sell the aggregated ASE Common Shares using the closing price of ASE Common Shares on the TWSE on the ninth (9th) ROC Trading Day prior to the Effective Time, to an appointee of the Chairman of HoldCo. The cash proceeds from the sale will be distributed to the former holders of ASE Common Shares by HoldCo on a proportionate basis in accordance with their respective fractions at the Effective Time. Under ROC law, ASE Common Shares and HoldCo Common Shares will be recorded in book-entry by the Taiwan Depository & Clearing Corporation. The HoldCo Common Shares entitlements as a result of the Share Exchange will be automatically recorded at ASE shareholders' Taiwan Depository & Clearing Corporation account at the Effective Time of the Share Exchange, with no need for any additional action on ASE shareholders' part.

Under the ASE Deposit Agreement, the ASE Depository (Citibank) will only distribute whole HoldCo ADSs. The ASE Depository will use commercially reasonable efforts to sell the fractional entitlements to HoldCo ADSs in the open market and will distribute the net cash proceeds to the holders of ASE ADSs entitled to it. After the Share Exchange becomes effective, the ASE Depository will send a notice to all holders of ASE ADSs which specifies the manner in which ASE ADSs may be delivered to the ASE Depository in exchange for HoldCo ADSs. A holder of ASE ADSs who delivers those ASE ADSs in the manner required will receive in exchange the applicable whole number of HoldCo ADSs. There is a US\$0.02 cancellation fee per ASE ADS held, payable by holders of ASE ADSs,

to the ASE Depositary in connection with the exchange of ASE ADSs for HoldCo ADSs.

At the Effective Time, HoldCo will acquire all issued shares of ASE. HoldCo would be entitled to all benefits resulting from its 100% ownership of ASE, including all of ASE's net book value and net income or loss. Similarly, HoldCo would also bear all of the risk of losses generated by ASE's operations and any decrease in the value of ASE after the Share Exchange. Upon consummation of the Share Exchange, ASE would become a wholly owned subsidiary of HoldCo. ASE Common Shares would be delisted from the TWSE and ASE ADSs would be delisted from NYSE and would become eligible for deregistration under the Exchange Act.



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At the Effective Time, former ASE shareholders will receive HoldCo Shares based on the Exchange Ratio. There are no material differences between the rights of holders of ASE Common Shares and the rights of holders of HoldCo Common Shares from a legal perspective. For so long as HoldCo has a class of securities (which include the HoldCo ADSs) listed on the NYSE, HoldCo will be subject to rules regarding corporate governance requirements of NYSE and the Exchange Act, the reporting requirements for foreign private issuers, and the U.S. Sarbanes-Oxley Act of 2002 including, for example, independence requirements for audit committee composition, annual certification requirements and auditor independence rules, unless certain circumstances change. HoldCo will be required to disclose any significant ways in which its corporate governance practices differ from those followed by U.S. domestic companies under NYSE's listing standards. To the extent possible under the ROC law and the arrangement contemplated by the HoldCo Deposit Agreement, HoldCo's corporate governance practices are expected to be comparable to those of ASE.

The issuance of HoldCo Common Shares in connection with the Share Exchange to U.S. holders of ASE Common Shares has been registered under the Securities Act. Accordingly, there will be no restrictions under the Securities Act upon the resale or transfer of such shares by U.S. shareholders of ASE except for those shareholders, if any, who are deemed to be "affiliates" of ASE, as such term is used in Rule 144 under the Securities Act. Persons who may be deemed to be affiliates of ASE generally include individuals who, or entities that, directly or indirectly control, or are controlled by or are under common control with, ASE. With respect to those shareholders who may be deemed to be affiliates of ASE, Rule 144 places certain restrictions on the offer and sale within the United States or to U.S. persons of HoldCo Common Shares that may be received by them pursuant to the Share Exchange. This proxy statement/prospectus does not cover resales of shares of HoldCo Common Shares received by any person who may be deemed to be an affiliate of ASE.

Background of the Share Exchange; Past Contacts; Negotiations

*Events leading to the execution of the Joint Share Exchange Agreement described in this "Background of the Share Exchange; Past Contacts; Negotiations" section occurred in various locations that regularly included Taiwan, United States and Hong Kong. As a result, Taiwan Standard Time is used for all dates and times given.*

The ASE Board and senior management of ASE regularly review and assess ASE's operations, performance, prospects and strategic direction. Prior to its announcement of the Initial ASE Tender Offers in August 2015, ASE believed that in light of the increase in competition and the consolidation trends in the global semiconductor industry, an investment in SPIL would present attractive opportunities. At that time, in ASE's view, the SPIL Common Shares and SPIL ADSs represented an attractive investment from a financial perspective. In addition, ASE hoped that an investment in SPIL might facilitate future cooperation opportunities with SPIL, in a manner consistent with all applicable laws, in an effort to maintain and promote the competitiveness of ASE.

On August 21, 2015, ASE announced that it planned to commence, on August 24, 2015, the Initial ASE Tender Offers at a price of NT\$45 per SPIL Common Share and NT\$225 per SPIL ADS for 779,000,000 SPIL Common Shares (including those represented by SPIL ADSs), which represented approximately 24.99% of the issued and outstanding share capital of SPIL.

On August 24, 2015, ASE commenced the Initial ASE Tender Offers. On the same day, SPIL announced that it had formed a review committee consisting of its independent directors to evaluate the Initial ASE Tender Offers.

On August 28, 2015, SPIL issued a press release and filed a Solicitation/Recommendation Statement on Schedule 14D-9 (as amended, the "First Schedule 14D-9") with the SEC in which the SPIL Board recommended that SPIL shareholders reject the Initial ASE Tender Offers and not tender any SPIL Common Shares or SPIL ADSs into the Initial ASE Tender Offers.

The First Schedule 14D-9 further disclosed that, on August 28, 2015, SPIL had entered into a letter of intent with Hon Hai Precision Industry Co., Ltd. ("Hon Hai") pursuant to which (i) SPIL would issue 840,600,000 SPIL Common Shares in exchange for 359,230,769 common shares issued by Hon Hai, representing approximately 21.24% and 2.20% of the issued and outstanding share capital of SPIL and Hon Hai, respectively (the "Hon Hai Share Exchange"), and (ii) SPIL and Hon Hai would cooperate on certain commercial matters.

The Hon Hai Share Exchange would have required an increase in the authorized but unissued capital of SPIL (the "Capital Increase") and amendments to SPIL's acquisition and disposition procedures (the "By-Law

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Amendments”), which would have required the approval of SPIL’s shareholders at an extraordinary shareholders’ meeting (the “First EGM”). On August 28, 2015, SPIL called the First EGM to be held on October 15, 2015, and set a record date of September 15, 2015 for the First EGM, which date was prior to the expiration and closing of the Initial ASE Tender Offers. ASE was therefore not eligible to vote its SPIL Common Shares at the First EGM.

ASE publicly opposed the Hon Hai Share Exchange on the basis that it was not in the best interests of SPIL shareholders for various reasons, including that the Hon Hai Share Exchange would result in significant dilution for all SPIL shareholders and would bring no cash to SPIL or its shareholders.

The Initial ASE Tender Offers expired on September 22, 2015. Pursuant to the Initial ASE Tender Offers, there were validly tendered and not validly withdrawn a number of SPIL Common Shares and SPIL ADSs representing approximately 36.83% of the issued and outstanding share capital of SPIL. On September 23, 2015, ASE accepted for purchase SPIL Common Shares and SPIL ADSs representing approximately 24.99% of the issued and outstanding share capital of SPIL.

On September 22, 2015, ASE filed an injunction with the Taichung District Court seeking to enjoin the First EGM. Following the expiration of the Initial ASE Tender Offers, on September 23, 2015, ASE’s Chairman and Chief Executive Officer, Mr. Jason C.S. Chang met with SPIL’s Chairman, Mr. Bough Lin, to express his regret that, due to certain legal limitations, ASE had not been able to discuss the Initial ASE Tender Offers with SPIL prior to its commencement. Mr. Chang also reiterated that the purpose of ASE’s investment was to explore avenues of mutual cooperation in the face of intensifying global competition and industry consolidation and that ASE strongly opposed the proposed Hon Hai Share Exchange.

On September 28, 2015 and October 1, 2015, ASE issued open letters to SPIL shareholders urging them to vote against the proposals to be voted on at the First EGM.

On October 1, 2015, pursuant to the Initial ASE Tender Offers, ASE closed its acquisition of, and paid for, 725,749,060 SPIL Common Shares and 10,650,188 SPIL ADSs, representing approximately 24.99% of the issued and outstanding share capital of SPIL.

Also on October 1, 2015, ASE filed a suit in the Taichung District Court seeking the invalidation of the SPIL Board’s resolution convening the First EGM.

On October 5, 2015, ASE issued a further open letter to SPIL shareholders urging them to vote against the proposals to be voted on at the First EGM, noting that two leading proxy advisors agreed with ASE's recommendation.

On October 13, 2015, the Taichung District Court denied ASE's petition seeking an injunction to enjoin SPIL's First EGM.

On October 15, 2015, SPIL's Capital Increase and By-Law Amendments were not approved by its shareholders at the First EGM.

Also on October 15, 2015, SPIL filed a suit in the Kaohsiung District Court (the "SPIL Kaohsiung Suit") against ASE seeking the invalidation of the Initial ASE Tender Offers and confirmation that ASE did not, in SPIL's view, have the right to be registered as a shareholder in SPIL's shareholder register. ASE indicated publicly that it believed that this lawsuit was without merit. On the same day, ASE withdrew its suit seeking the invalidation of the SPIL Board's resolution convening the First EGM. Subsequently, the Kaohsiung District Court revoked the SPIL Kaohsiung Suit on June 27, 2016.

On October 22, 2015 and on November 2, 2015, Mr. Chang sent letters to Mr. Lin reiterating that the purpose of ASE's investment in SPIL was to establish a basis for possible future cooperation and that ASE wished to discuss and establish specific plans for such cooperation.

On November 4, 2015, Mr. Chang received a letter from Mr. Lin asserting that SPIL did not recognize ASE as a shareholder of SPIL and requesting that ASE provide a written undertaking prior to any discussions with SPIL that (i) if ASE became a shareholder of SPIL, ASE would maintain its financial investor status, and would not intervene and participate in or interfere with SPIL's business operations, and would not nominate any person for appointment

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as a director of SPIL, and (ii) ASE would treat the communications and discussions between both parties as confidential, and would not disclose such information externally without SPIL's consent.

On November 6, 2015, Mr. Chang sent a letter to Mr. Lin stating that ASE had lawfully acquired 779,000,000 SPIL Common Shares (including those represented by SPIL ADSs) upon completion of the Initial ASE Tender Offers and requesting a meeting before November 13, 2015 to discuss specific details of SPIL's proposed undertaking and plans for potential cooperation.

On November 16, 2015, ASE filed an amendment to its report on Schedule 13D indicating that ASE had become increasingly concerned that the combination of SPIL's open animosity to ASE, SPIL's demonstrated willingness to consider ill-conceived transactions, and SPIL's expressed desire to seek out one or more other opportunities with third parties, all posed a very real threat that SPIL would at some future date attempt to adopt one or more further defensive measures that could damage SPIL and ASE's 24.99% interest therein.

The amendment noted that although ASE continued to seek avenues of cooperation with SPIL, and while no decision had been made, ASE believed that it needed to evaluate all possibilities available to it to protect its significant investment in SPIL and to react to any such defensive measures. Such possibilities included potential proposals to SPIL relating to cooperation or other potential transactions, influencing the management of SPIL, or further acquisitions of SPIL Common Shares, whether in the market or through one or more tender offers.

On December 11, 2015, SPIL announced a potential transaction with Tsinghua Unigroup Ltd. ("Tsinghua" and the "Tsinghua Transaction"). Pursuant to the Tsinghua Transaction, if approved by SPIL shareholders, Tsinghua would purchase newly issued SPIL Common Shares by way of private placement at a price of NT\$55 per SPIL Common Share. The Tsinghua Transaction would also have required SPIL shareholder approval. On the same date, SPIL announced that it planned to hold an extraordinary shareholders' meeting on January 28, 2016 for shareholders to vote on the Tsinghua Transaction. Upon completion of the Tsinghua Transaction, Tsinghua would have owned 24.9% of SPIL's then-outstanding Common Shares.

ASE believed that the Tsinghua Transaction was not in the best interests of SPIL's shareholders and was a defensive and dilutive transaction that brought no cash to SPIL's shareholders. On December 14, 2015, in order to protect its significant investment in SPIL in light of the Tsinghua Transaction and the reasons described above in relation to ASE's November 16, 2015 amendment to its report on Schedule 13D, ASE submitted a written proposal to the SPIL Board proposing to acquire 100% of the remaining outstanding SPIL Common Shares for NT\$55 per SPIL Common Share in cash and 100% of the remaining outstanding SPIL ADSs for NT\$275 per SPIL ADS in cash (the "December 14, 2015 Proposal"). The December 14, 2015 Proposal was subject to execution and delivery of a mutually satisfactory definitive share exchange agreement containing customary terms and conditions and contingent on the termination or cancellation of the Tsinghua Transaction in accordance with its terms or applicable laws. ASE requested a written response from the SPIL Board by December 21, 2015 confirming whether or not SPIL was willing to discuss the

December 14, 2015 Proposal.

On December 21, 2015, SPIL issued a press release stating that it would assess the December 14, 2015 Proposal and that it would be discussed at a meeting of the SPIL Board on December 28, 2015.

Based upon the foregoing and other factors, ASE determined that there was no realistic possibility of a cooperative dialogue with SPIL at ASE's existing ownership level in SPIL and that there was a very real risk that SPIL would at some future date attempt to adopt one or more further defensive measures that could further damage the value of ASE's investment. As a result, ASE concluded that it had no viable alternative other than to seek to increase its ownership stake in SPIL. On December 22, 2015, ASE announced that it planned to commence on December 29, 2015 tender offers in the ROC (the "Second ROC Offer") and the United States (the "Second U.S. Offer," together with the Second ROC Offer, the "Second ASE Tender Offers") for up to 770,000,000 SPIL Common Shares, including those represented by SPIL ADSs, at a price of NT\$55 per SPIL Common Share (and NT\$275 per SPIL ADS), which represented approximately 24.71% of the issued and outstanding share capital of SPIL. In addition, ASE disclosed that if the Second ASE Tender Offers were consummated, subject to either (i) SPIL's shareholders not approving the Tsinghua Transaction at the proposed extraordinary shareholders' meeting on January 28, 2016 or (ii) SPIL terminating the Tsinghua Transaction in accordance with its terms or applicable law and cancelling the proposed extraordinary shareholders' meeting, ASE would seek to cause SPIL to enter into a share exchange or other similar business combination with ASE pursuant to which ASE would acquire 100% of the shares of SPIL not owned by ASE (a "Proposed Combination") for the consideration of NT\$55 per SPIL Common

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Share and NT\$275 per SPIL ADS (subject to adjustment if SPIL issued shares or cash dividends prior to the closing of such Proposed Combination). In order to implement a Proposed Combination, if the Second ASE Tender Offers were consummated, ASE intended to seek control of the SPIL Board. On the same date, SPIL issued a press release requesting that ASE cease its plan to commence the Second ASE Tender Offers and provide responses to certain questions as a precondition to any potential discussions on the December 14, 2015 Proposal. SPIL also announced on the same date that it planned to postpone the proposed extraordinary shareholders' meeting that had been scheduled for January 28, 2016 to consider the Tsinghua Transaction.

On December 28, 2015, ASE announced that it intended, as previously announced, to commence the Second ASE Tender Offers on December 29, 2015 and that it believed that the Second ASE Tender Offers did not preclude any discussions with SPIL with respect to the December 14, 2015 Proposal. Accordingly, on December 29, 2015, ASE commenced the Second ASE Tender Offers.

On December 30, 2015, SPIL announced that it would convene meetings of a review committee and the SPIL Board in connection with the Second ASE Tender Offers.

On January 7, 2016, SPIL issued a press release and filed a Solicitation/Recommendation Statement on Schedule 14D-9 (as amended, the "Second Schedule 14D-9") with the SEC announcing the SPIL Board recommendation, which it subsequently amended, that shareholders of SPIL consider the reservations of the review committee and the SPIL Board regarding the Second ASE Tender Offers, and further review the relevant risks before deciding individually whether or not to participate in the Second ASE Tender Offers.

On February 4, 2016, ASE extended the Second ASE Tender Offers until March 17, 2016 in order to permit the TFTC further time to review the Proposed Combination. The Second ASE Tender Offers had previously been scheduled to expire on February 16, 2016.

Between February 17, 2016 and March 9, 2016, ASE published various advertisements in newspapers in the ROC and made a series of shareholder communications in connection with the Second ASE Tender Offers. During this time, SPIL filed a number of amendments to the Second Schedule 14D-9 clarifying the scope of its recommendation in respect of the Second ASE Tender Offers.

On March 17, 2016, ASE announced that the Second ASE Tender Offers were unsuccessful, as ASE did not receive approval from the TFTC for the proposed combination between ASE and SPIL prior to the expiration of the Second ASE Tender Offers. Notwithstanding the failure of the Second ASE Tender Offers, ASE stated that it continued to seek to obtain control of SPIL, with the purpose of effecting an acquisition of 100% of the SPIL Common Shares and SPIL ADSs that ASE did not already own. In addition, ASE stated that it would otherwise continue to seek

opportunities for cooperation with SPIL and would consider other possibilities, including further acquisitions of SPIL Common Shares.

On March 17, 2016, ASE disclosed that the TFTC was continuing to review the Proposed Combination. If the TFTC approved the Proposed Combination, ASE expected to continue to seek the support of SPIL shareholders in order to acquire 100% of the issued and outstanding share capital of SPIL not owned by ASE. ASE further explained that, simultaneously with the acquisition of SPIL, ASE planned to establish a holding company in Taiwan that would hold 100% of the equity interests of both ASE and SPIL such that ASE and SPIL would be wholly owned subsidiaries of such holding company, which would maintain all current operations of ASE and SPIL in Taiwan.

Between March 24, 2016 and April 7, 2016, ASE acquired by way of market purchases additional SPIL Common Shares and SPIL ADSs amounting to an additional 8.29% of the issued and outstanding SPIL Common Shares (including those represented by SPIL ADSs) for an aggregate purchase price of NT\$13.7 billion.

On April 17, 2016, Mr. Lin and Mr. Chang, together with executives of ASE and SPIL, had a meeting at which the possibility of a combination transaction was discussed. During the meeting, Mr. Lin and Mr. Chang discussed whether it would be in the best interests of the two companies and their respective shareholders for ASE and SPIL to explore the possibility of entering into a combination transaction.

Between April 25, 2016 and May 19, 2016, representatives of ASE and SPIL, together with their respective legal and financial advisors, held a series of in-person meetings and conference calls to discuss a variety of issues and explore whether it would be possible to develop the terms of a possible share exchange transaction between



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ASE and SPIL (“Proposed Share Exchange”), including the structure, price, board composition of the new holding company after the Proposed Share Exchange, protection of SPIL’s employee rights and the timing of any announcement. ASE furnished SPIL with proposed draft transaction documents and presentation materials relating to the Proposed Share Exchange, which contemplated SPIL and ASE entering into a share exchange transaction at a price of NT\$55.0 per SPIL Common Share and set forth the other terms of such transaction. There was no agreement with respect to the Proposed Share Exchange by the end of these meetings.

On April 28, 2016, SPIL issued a press release announcing the termination of the Tsinghua Transaction.

On May 26, 2016, the ASE Board held a meeting, in which members of ASE’s senior management participated, to discuss the draft Joint Share Exchange MOU and review the conclusions of ASE’s legal and financial advisors. In connection with the deliberations of the ASE Board, an independent public accounting firm engaged by ASE, Mr. Ji-Sheng Chiu, CPA, delivered to the ASE Board his oral opinion, which was confirmed by delivery of a written opinion dated May 25, 2016, that the cash consideration of NT\$55.00 per SPIL Common Share and the exchange ratio pursuant to which ASE Common Shares would be exchanged for shares in the holding company, were reasonable and fair.

On May 26, 2016, ASE and SPIL issued a joint press release announcing the execution of the Joint Share Exchange MOU and setting a deadline for execution of a definitive Joint Share Exchange Agreement of June 25, 2016. Also on May 26 2016, Mr. Chang sent a letter to Mr. Lin reiterating his support for the proposed combination.

On May 27, 2016, ASE and SPIL clarified by respective press releases that the actual Cash Consideration of NT\$55 per SPIL Common Share included the cash dividend and a returning of capital reserve of NT\$3.8 per SPIL Common Share previously declared by SPIL, and that the adjusted Cash Consideration should be NT\$51.2 per SPIL Share.

On June 3, 2016, Baker & McKenzie sent SPIL’s legal counsel Jones Day a proposed draft of the Joint Share Exchange Agreement, which contemplated, among other things, that ASE would exchange all of ASE’s issued ASE Common Shares for shares in a newly formed holding company, and all issued SPIL Common Shares would be acquired for NT\$55.00 per share in cash and NT\$275 per SPIL ADS (prior to cash dividend and a returning of capital reserve adjustment) .

Between June 3, 2016 and June 24, 2016, representatives of ASE and SPIL, together with representatives of each of their legal and financial advisors, held a series of conference calls and in-person meetings to negotiate the terms of the draft Joint Share Exchange Agreement, including in relation to post-closing commitments of the surviving company, the timetable for the transaction and the requirements relating to obtaining regulatory approvals. During this period, ASE’s legal advisors Davis Polk and Baker & McKenzie exchanged multiple drafts of the draft Joint Share Exchange

Agreement with SPIL's legal advisors Simpson Thacher and Jones Day.

On June 24, 2016, ASE and SPIL executed a supplemental Joint Share Exchange MOU, extending the deadline for ASE and SPIL to execute a definitive agreement to June 30, 2016.

On June 30, 2016, the ASE audit committee unanimously determined that the draft Joint Share Exchange Agreement and the transactions contemplated thereby were advisable, fair to and in the best interests of ASE and its shareholders and approved the draft Joint Share Exchange Agreement and the other transactions contemplated therein. Later that same day, the ASE Board met to discuss the draft Joint Share Exchange Agreement, in which members of ASE senior management participated. Prior to the meeting, members of the ASE Board had been provided with a set of meeting materials, including the draft Joint Share Exchange Agreement and certain financial analyses. In connection with the deliberations of the ASE Board, an independent expert engaged by ASE, Mr. Ji-Sheng Chiu, CPA, delivered to the ASE Board his oral opinion, which was confirmed by delivery of a written opinion dated June 29, 2016, that the consideration in the draft Joint Share Exchange Agreement of NT\$55.00 per SPIL Common Share and NT\$275 per SPIL ADS (prior to cash dividend and a returning of capital reserve adjustment) and the exchange ratio pursuant to which ASE Common Shares would be exchanged for shares in the holding company, were reasonable and fair.

On June 30, 2016, ASE and SPIL issued a joint press release announcing the execution of the Joint Share Exchange Agreement.

Between July 1, 2016 and November 24, 2017, the management teams of both ASE and SPIL had meetings on a regular or ad-hoc basis, to discuss the progress and steps to obtain all necessary governmental approvals required to complete the Share Exchange, including the antitrust clearance or approvals from TFTC, FTC and MOFCOM.

After ASE and SPIL's receipt of MOFCOM's approval in respect of the Share Exchange, between November 24, 2017 to December 14, 2017, representatives of ASE and representatives of SPIL, together with representatives of each of their legal advisors, held an in-person meeting and a series of telephonic to discuss the extension of the Long Stop Date set forth in the Joint Share Exchange Agreement. During this period, ASE's legal advisors Baker & McKenzie exchanged multiple drafts of the draft Supplemental Agreement to the Joint Share Exchange Agreement with SPIL's legal advisors Jones Day. On December 14, 2017, ASE and SPIL executed the Supplemental Agreement to the Joint Share Exchange Agreement, which provided that the definition of the Long Stop Date was revised from "December 31, 2017 or a later date otherwise agreed in writing by both Parties" to "October 31, 2018 or a later date otherwise agreed in writing by both Parties".

On January 15, 2018, Mr. Ji-Sheng Chiu delivered to ASE the Third Crowe Horwath Opinion that the Cash Consideration to be paid by HoldCo in the Share Exchange were fair and reasonable. By a vote at a meeting of the audit committee of ASE held on January 16, 2018 and by a subsequent vote at a meeting of the ASE Board held on the same date, the ASE Board and ASE's audit committee unanimously determined to present the Third Crowe Horwath Opinion in this proxy statement/prospectus and applicable meeting materials for ASE EGM.



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Recommendation and Approval of the ASE Board and Reasons for the Share Exchange

By a vote at a meeting of the audit committee of ASE held on June 30, 2016 and by a subsequent vote at a meeting of the ASE Board held on the same date, the ASE Board and ASE's audit committee unanimously determined that the Joint Share Exchange Agreement and the transactions contemplated thereby were advisable, fair to and in the best interests of ASE and its shareholders and approved the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement. By a vote at a meeting of the audit committee of ASE held on January 16, 2018 and by a subsequent vote at a meeting of the ASE Board held on the same date, the ASE Board and ASE's audit committee unanimously determined to present the Third Crowe Horwath Opinion in this proxy statement/prospectus and applicable meeting materials for ASE EGM. **The ASE Board recommends that ASE shareholders vote "FOR" the approval of the Joint Share Exchange Agreement and the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement and "FOR" the approval of the other proposals to be voted on at the ASE EGM.**

In evaluating the proposed Share Exchange, the ASE Board consulted with ASE's management and legal advisors and independent experts and, in reaching its determination and recommendation, the ASE Board considered a number of factors. The ASE Board also consulted with outside legal counsel regarding its obligations, legal due diligence matters and the terms of the Joint Share Exchange Agreement.

Many of the factors considered supported the conclusion of ASE Board that the Joint Share Exchange Agreement and the transactions contemplated thereby are advisable, fair to and in the best interests of ASE and its shareholders, including the following, subject to the Post-Closing Operation and Corporate Governance section set forth on page 86 herein (not in any relative order of importance):

continuing consolidation trend in the semiconductor industry and the intensifying competitive landscape in the semiconductor packaging and testing industry poses significant risks and uncertainties for ASE's and SPIL's business if each company continues to operate separately;

the expectation that the combination of ASE and SPIL under the holding company structure will allow both companies to better utilize their total capacity to achieve broader service coverage across products and offer more innovative and complete solutions to their customers;

that ASE and SPIL can pool their experience and know-how, as well as their respective existing product footprints for high-quality packaging and testing service solutions, which will allow customers to benefit from best technologies and also create incentives for other packaging and testing service providers to use similar production process;

the expectation that the combination of ASE and SPIL will allow each company to have better insights to semiconductor customers and end markets to enable more accurate forecasting of customer demand and facilitate better planning and capacity investment, which would in turn allow ASE and SPIL the ability to execute and deliver on its business plans throughout the business cycle and in a semiconductor industry that is highly competitive, cyclical and subject to constant and rapid technological change;

the opportunity to further expand ASE's and SPIL's global market reach and customer base leveraging a "dual-brand cross-selling operations" model and expand into other business areas of strategic importance;

the expectation based on estimates by ASE's and SPIL's management that both companies can achieve significant synergies in research and development investments and capital expenditures as a result of reduction of duplicative investments, allowing for significant cost synergies and expended investment budgets;

the expectation that the larger scale organization, greater marketing resources and financial strength of HoldCo will lead to improved opportunities for marketing and cross selling ASE's and SPIL's products after the combination;

the holding company structure will allow HoldCo to focus on devising the group's overall strategy and maximize interests of the group as a whole, while allowing each subsidiary, including ASE and SPIL, to concentrate on its particular business area and operations;

the fact that the new holding company will function as the group's overall resources allocation and strategic planning platform to achieve a more streamlined management structure among the group's distinct business

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concentration area to further improve the group's overall operational efficiency and solidify professional managerial function within each subsidiary to ensure sustainable development of the group;

the fact that ASE's current shareholders will own approximately the same ownership and voting interest in HoldCo following the completion of the Share Exchange;

the First Crowe Horwath Opinion, dated May 25, 2016, the Second Crowe Horwath Opinion, dated June 29, 2016, and the Third Crowe Horwath Opinion, dated January 15, 2018, to the ASE Board, that the Cash Consideration to be paid by HoldCo to SPIL shareholders and the exchange ratio pursuant to which ASE shareholders will exchange their shares for HoldCo Shares pursuant to the Joint Share Exchange Agreement were fair and reasonable, and the fact that the Crowe Horwath Opinions expressed their opinions as to such fairness and reasonableness under ROC law based on a "fair market value" standard, which refers to a price, expressed in terms of cash equivalents, agreed between a hypothetical willing and able buyer and a hypothetical willing and able seller, each acting at arm's length in an open and unrestricted market, when neither is under compulsion to buy or sell and when both have reasonable knowledge of the relevant facts, which ASE believed was a relevant factor to consider in determining the fairness of the Share Exchange. Such opinions were based on and subject to the assumptions made, procedures followed and matters considered in the review undertaken by Mr. Ji-Sheng Chiu, CPA, as more fully described below in the section entitled "— Opinions of ASE's Independent Expert"; and

the review by the ASE Board with its advisors of the structure of the proposed Share Exchange and the financial and other terms of the Joint Share Exchange Agreement, including the parties' representations, warranties and covenants, the conditions to their respective obligations and the termination provisions, as well as the likelihood of the completion of the proposed Share Exchange and the evaluation by the ASE Board of the likely time period necessary to complete the Share Exchange.

In the course of its deliberations, the ASE Board also considered a variety of risks and other potentially negative factors, including the following (not in any relative order of importance):

the possibility that the Share Exchange may not be completed as a result of the failure to obtain the required approval from ASE shareholders or SPIL shareholders, the failure by ASE to obtain financing, or otherwise, or that completion may be unduly delayed for reasons beyond the control of ASE and/or SPIL, including the potential length of the regulatory review process and the risk that applicable antitrust and competition authorities may prohibit or enjoin the Share Exchange or otherwise impose unanticipated conditions on ASE and/or SPIL, in order to obtain clearance for the Share Exchange, and the effect the resulting termination of the Joint Share Exchange Agreement may have on the trading price of the ASE Common Shares and ASE's operating results, including ASE's potential obligation to pay SPIL a liquidated damages in the amount of NT\$8.5 billion (US\$0.3 billion), as described in the section entitled "The Joint Share Exchange Agreement — Pre-Closing Covenants and Agreements";

the possible disruption to ASE's business that may result from the Share Exchange, including the potential for diversion of management and employee attention from other strategic opportunities or operational matters and for

increased employee attrition during the period prior to completion of the Share Exchange, and the potential effect of the Share Exchange on ASE's business and relations with customers and suppliers;

the adverse impact that business uncertainty pending completion of the Share Exchange could have on ASE's ability to attract, retain and motivate key personnel;

the difficulty and costs inherent in consolidating resources in ASE and SPIL under the holding company structure and the risk that anticipated strategic and other benefits to ASE and SPIL following completion of the Share Exchange, including the estimated cost savings and cost synergies described above, will not be realized or will take longer to realize than expected;

the transaction costs to be incurred in connection with the Share Exchange;

that failure to complete the Share Exchange could lead to negative perceptions among investors, potential investors, employees and customers;

operational inefficiencies due to a layered corporate structure and valuation discounts as a result of the adoption of a holding company structure which may have an adverse effect on the trading value of HoldCo Common Shares or HoldCo ADSs; and

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risks of the type and nature described in the sections entitled “Risk Factors” and “Cautionary Statements Regarding Forward-Looking Statements.”

In addition, the ASE Board was fully aware of and has deliberated over the history of prior litigations between ASE and SPIL as described in the section entitled “—Background of the Share Exchange; Past Contacts; Negotiations.” ASE has intended to seek a friendly transaction with SPIL from the very beginning. The purpose of its lawsuits initiated in September and October 2015 against SPIL was to protect its investment in SPIL. Although SPIL filed the SPIL Kaohsiung Suit in October 2015 seeking to invalidate ASE’s investment, the Kaohsiung District Court revoked the SPIL Kaohsiung Suit on June 27, 2016 and the parties eventually agreed to the Share Exchange transaction after friendly and good-faith negotiations. This result is what ASE has always been pursuing and the ASE Board did not view the prior litigations between the two parties as detrimental to an eventual friendly outcome.

The ASE Board considered all of these factors as a whole and, on balance, concluded that overall, the potential benefits of the Share Exchange to ASE and its shareholders outweighed the risks which are mentioned above, and it supported the decision to approve the Share Exchange and the other transactions contemplated by the Joint Share Exchange Agreement. The foregoing discussion of the information and factors considered by the ASE Board is not exhaustive. In view of the wide variety of factors considered by the ASE Board in connection with its evaluation of the proposed Share Exchange and the complexity of these matters, the ASE Board did not consider it practical to, nor did it attempt to, quantify, rank or otherwise assign relative weights to the specific factors that it considered in reaching its decision. Rather, the ASE Board viewed its decisions as being based on the totality of the information presented to it and the factors it considered. The ASE Board evaluated the factors described above, among others, and reached a consensus that the Joint Share Exchange Agreement and the transactions contemplated thereby were advisable, fair to and in the best interests of ASE and its shareholders. In considering the factors described above and any other factors, individual members of the ASE Board may have viewed factors differently or given different weight or merit to different factors.

Interests of ASE in SPIL Common Shares and ADSs

On October 1, 2015, ASE closed its acquisition of, and paid for, 779,000,000 SPIL Common Shares (including those represented by SPIL ADSs) at a price of NT\$45 per SPIL Common Share and NT\$225 per SPIL ADS pursuant to the tender offers in the U.S. and in the ROC.

In March and April 2016, ASE acquired an additional 258,300,000 SPIL Common Shares (including those represented by SPIL ADSs) through open market purchases. The following table sets forth certain information relating to the aforesaid ASE’s open market purchases:

Period



	Total Number of SPIL Common Shares Purchased	Average Price Paid Per SPIL Common Share (in NT\$)	Range of Price Paid Per SPIL Common Share (in NT\$)
March 24, 2016-March 30, 2016	201,547,740	53.16	51.80-54.00
April 1, 2016-April 7, 2016	8,300,000	52.91	50.64-53.00
<b>Total:</b>	209,847,740	-	-

Period	Total Number of SPIL ADSs Purchased	Average Price Paid Per SPIL ADS (in US\$)	Range of Price Paid Per SPIL ADS (in US\$)
March 24, 2016-March 30, 2016	9,690,452	8.13	7.91-8.26
<b>Total:</b>	9,690,452	-	-

As of the date of this proxy statement/prospectus, (a) SPIL had an aggregate of 3,116,361,139 SPIL Common Shares, including 188,916,960 SPIL Common Shares represented by SPIL ADSs, issued and outstanding; and (b) ASE held 988,847,740 SPIL Common Shares and 9,690,452 SPIL ADSs.

Except as set forth elsewhere in this proxy statement/prospectus: (a) none of ASE and, to ASE's knowledge, any associate or majority-owned subsidiary of ASE beneficially owns or has a right to acquire any SPIL Common Shares, SPIL ADSs or other equity securities of SPIL; (b) none of ASE and, to ASE's knowledge, any associate or

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majority-owned subsidiary of ASE has effected any transaction in SPIL Common Shares, SPIL ADSs or other equity securities of SPIL during the past 60 days; and (c) during the two years before the date of this proxy statement/prospectus, there have been no transactions between ASE, its subsidiaries, on the one hand, and SPIL or any of its executive officers, directors, controlling shareholders or affiliates, on the other hand, that would require reporting under SEC rules and regulations.

## Certain Financial Projections

ASE does not, as a matter of course, publicly disclose forecasts or internal projections as to future performance, earnings or other results due to, among other reasons, the uncertainty of the underlying assumptions and estimates. No financial projections were prepared by ASE or their advisors in connection with the Share Exchange.

## Opinions of ASE's Independent Expert

### Crowe Horwath Opinions

On May 25, 2016, Mr. Ji-Sheng Chiu, CPA, of Crowe Horwath (TW) CPAs, an independent expert engaged by ASE, delivered to ASE its written opinion that the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares and each SPIL Common Share for NT\$55 in cash pursuant to the Share Exchange was fair and reasonable. On June 29, 2016, Mr. Ji-Sheng Chiu delivered to ASE another written opinion that the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares and each SPIL Common Share for NT\$55 in cash pursuant to the Share Exchange was fair and reasonable. On January 15, 2018, Mr. Ji-Sheng Chiu delivered to ASE another written opinion that the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares and each SPIL Common Share for NT\$55 in cash (subject to adjustment to NT\$51.2 after deduction of cash dividends distribution if NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share) pursuant to the Share Exchange was fair and reasonable.

ASE selected Mr. Ji-Sheng Chiu of Crowe Horwath (TW) CPAs to act as an independent expert to provide the Crowe Horwath Opinions in connection with the Share Exchange based on Mr. Ji-Sheng Chiu's reputation, experience in the Taiwan market and familiarity with ASE and its business. Mr. Ji-Sheng Chiu is regularly engaged in the valuation of businesses and their securities in connection with mergers and acquisitions, private placements and related financings and valuations for corporate and other purposes for ROC corporations. Mr. Ji-Sheng Chiu in the past has delivered opinions to ASE during the two-year period prior to date of the First Crowe Horwath Opinion in connection with (i) a spin-off transaction involving Universal Scientific Industrial Co., Ltd., a subsidiary of ASE, (ii) the Initial ASE Tender Offers, (iii) a private placement under which ASE sold its shareholdings in Universal Scientific Industrial Co., Ltd. to another subsidiary of ASE for corporate restructuring proposes, (iv) the proposal to SPIL to acquire 100% of

its outstanding shares not owned by ASE in cash dated December 14, 2015 and (v) the Second ASE Tender Offers. Mr. Ji-Sheng Chiu received aggregate compensation of NT\$300,000 (US\$9,891.0) in connection with these prior opinions and was paid an opinion fee of NT\$60,000 (US\$1,978.2) for each of the First Crowe Horwath Opinion, the Second Crowe Horwath Opinion and the Third Crowe Horwath Opinion. Mr. Ji-Sheng Chiu may in the future deliver opinions to ASE, for which services Mr. Ji-Sheng Chiu may receive compensation. No material limitations were imposed by ASE on Mr. Ji-Sheng Chiu's work in connection with the Share Exchange.

The full text of the English translation of the Crowe Horwath Opinions has been included in Annex B-1 and Annex B-2 to this proxy statement/prospectus. The Crowe Horwath Opinions will also be available for any interested ASE shareholder (or any representative of an ASE shareholder who has been so designated in writing) to inspect and copy at ASE's principal executive offices during regular business hours. The Crowe Horwath Opinions outline the procedures followed, assumptions made, matters considered and qualifications and limitations on the review undertaken by Mr. Ji-Sheng Chiu in rendering the Crowe Horwath Opinions. The descriptions of the Crowe Horwath Opinions set forth below are qualified in their entirety by reference to the full text of such opinions. Holders of ASE Common Shares or SPIL Common Shares are urged to read the entire opinion carefully in connection with their consideration of the Share Exchange.

The Crowe Horwath Opinions speak only as of the date of each such opinion. The Crowe Horwath Opinions were directed to the ASE Board and are directed only to the fairness of the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares and each SPIL Common Share for NT\$55 in cash pursuant to the Share Exchange. They do not address the underlying business decision of ASE or SPIL to engage in the Share Exchange and do not constitute recommendation as to whether or not any holder of ASE Common Shares should vote in favor of the Share Exchange at any shareholder meeting, or at all. The Crowe Horwath Opinions was one of the many factors considered by the ASE Board in evaluating the Share Exchange and should not be viewed as determinative of the views of the ASE Board with respect to the Share Exchange. The consideration to be paid in the Share Exchange was determined through arm's length negotiations between ASE and SPIL. Mr. Ji-Sheng Chiu did

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not recommend any specific amount of consideration to ASE or the ASE Board or advise that any specific amount of consideration constituted the only appropriate consideration for the Share Exchange.

In connection with rendering the Crowe Horwath Opinions, Mr. Ji-Sheng Chiu reviewed and considered the audited or unaudited financial statements of ASE and SPIL for the years 2014, 2015 and the first quarter of 2016 (for the First Crowe Horwath Opinion and the Second Crowe Horwath Opinion) and the audited or unaudited financial statements of ASE and SPIL for the years 2015, 2016 and the third quarter of 2017 (for the Third Crowe Horwath Opinion), relevant business overviews, financial statements, and other materials Mr. Ji-Sheng Chiu deemed relevant and available to the public from, among other sources, the TWSE's Market Observation Post System, the website of the TWSE, the website of the Taipei Exchange (GreTai Securities Market), the Commerce and Industry Registration Enquiry System of the Department of Commerce, Ministry of Economic Affairs, Taiwan, the Taiwan Economic Journal (TEJ) Database, and comparison, analysis and historical stock price data of ASE, SPIL, and their peers compiled by Bloomberg. In performing its review, Mr. Ji-Sheng Chiu relied upon the accuracy and completeness of all of the financial and other information that was available to Mr. Ji-Sheng Chiu from public sources or that was otherwise reviewed by Mr. Ji-Sheng Chiu, and Mr. Ji-Sheng Chiu assumed such accuracy and completeness for purposes of preparing the Crowe Horwath Opinions.

Mr. Ji-Sheng Chiu expressed no opinion as to the trading values of ASE Common Shares or SPIL Common Shares after the date of each respective Opinion or what the value of ASE Common Shares or SPIL Common Shares will be upon consummation of the Share Exchange. Mr. Ji-Sheng Chiu expressed no opinion as to any of the legal, accounting, and tax matters relating to the Share Exchange. The Crowe Horwath Opinions were necessarily based on financial, economic, market and other conditions as in effect on, and the information made available to Mr. Ji-Sheng Chiu as of, the date of the respective Crowe Horwath Opinions. Events occurring after the date thereof could materially affect the Crowe Horwath Opinions. Mr. Ji-Sheng Chiu has not undertaken to update, revise, reaffirm or withdraw the Crowe Horwath Opinions or otherwise comment upon events occurring after the respective date of the Crowe Horwath Opinions.

In rendering the Crowe Horwath Opinions, Mr. Ji-Sheng Chiu performed a variety of financial analyses. The following is a summary of the material analyses performed by Mr. Ji-Sheng Chiu in each opinion, but it is not a complete description of all the analyses underlying each opinion. The summary includes information presented in tabular format. In order to fully understand the financial analyses, these tables must be read together with the accompanying text. The tables alone do not constitute a complete description of the financial analyses. The preparation of a fairness opinion is a complex process involving subjective judgments as to the most appropriate and relevant methods of financial analysis and the application of those methods to the particular circumstances. The process, therefore, is not necessarily susceptible to a partial analysis or summary description. Mr. Ji-Sheng Chiu believes that his analyses must be considered as a whole and that selecting portions of the factors and analyses to be considered without considering all factors and analyses could create an incomplete view of the evaluation process underlying his opinions. Also, no company included in Mr. Ji-Sheng Chiu's comparative analyses described below is identical to SPIL and no transaction is identical to the Share Exchange. Accordingly, an analysis of comparable companies or transactions involves complex considerations and judgments concerning differences in financial and operating characteristics of the companies and other factors that could affect the public trading values of SPIL and the companies to which they are being compared.

First Crowe Horwath Opinion

Consideration for ASE Common Shares

Mr. Ji-Sheng Chiu evaluated the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to Share Exchange. Mr. Ji-Sheng Chiu used the equity attributable to owners of parent of ASE based on the audited or unaudited consolidated financial statements of ASE (NT\$158,016,614,000 as of March 31, 2016) and the total issued ASE Common Shares based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, Taiwan (7,918,272,896 as of April 26, 2016) to calculate a net book value per share of NT\$19.956. Under the Share Exchange, 7,918,272,896 ASE Common Shares would result in 3,959,136,448 HoldCo Common Shares as of the Effective Time. The net book value per HoldCo Common Share was calculated based on ASE's equity attributable to owners of parent as of March 31, 2016 to be NT\$39.912 per share. Mr. Ji-Sheng Chiu concluded that the shareholders' equity for the holders of HoldCo Common Shares would not be impaired in any way by the exchange ratio of 0.5 HoldCo Common Shares for each ASE Common Share.

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The fact that the net value of ASE’s equity attributable to owners of parent as of the Effective Time may vary from that as of March 31, 2016 was also considered. However, since the shareholders of ASE will contribute all the ASE Common Shares as of the Effective Time in exchange for all the HoldCo Common Shares, Mr. Ji-Sheng Chiu concluded that the shareholders’ equity for the holders of HoldCo Common Shares will not be affected as a result of the Share Exchange.

Based on this analysis, Mr. Ji-Sheng Chiu concluded that, as of May 25, 2016, the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to the Share Exchange was fair and reasonable.

Consideration for SPIL Common Shares

Mr. Ji-Sheng Chiu elected for a market approach as the primary evaluation method while taking into account other non-quantitative factors to evaluate the reasonableness of the proposed exchange of each SPIL Common Share for NT\$55 in cash pursuant to the Share Exchange. Under the market approach, Mr. Ji-Sheng Chiu adopted a (i) market price method that analyzed historical market prices of the SPIL Common Shares; (ii) a price-book ratio method that applied the average price-to-book value ratios of the Comparison Group (as defined below) to SPIL’s book value for the quarter ended March 31, 2016; and (iii) a price-earnings ratio method that applied the average price to earnings per share ratios of the Comparison Group to SPIL’s earnings per share for the four quarters ended March 31, 2016. Mr. Ji-Sheng Chiu determined not to use an income approach, which requires using a company’s estimates for future cash flows, because such an approach involves multiple assumptions and has a relatively higher level of uncertainty and lesser objectivity as compared to other valuation methods. In addition, Mr. Ji-Sheng Chiu determined that a cost approach was not appropriate for evaluation in light of SPIL’s operating model and capital structure, and therefore did not use such an approach.

Of the semiconductor manufacturing companies listed on the TWSE, three industry peers were selected for comparison based on relative similarities in customer attributes, business activities and business mode: ChipMOS TECHNOLOGIES (Bermuda) LTD. (“ChipMOS”); Chipbond Technology Corporation (“Chipbond”); and Powertech Technology Inc. (“Powertech,” and together with ChipMOS and Chipbond, the “Comparison Group”).

In applying the market price method, Mr. Ji-Sheng Chiu used SPIL’s recent public trading prices for SPIL Common Shares to evaluate the average market closing price for 60, 90 and 180 business days (up to and including May 25, 2016) to calculate a range of theoretical values for SPIL Common Shares as follows:

Items	Average Closing Price Theoretical Price Range Prices in NT\$
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Latest 60 business days	49.18	
Latest 90 business days	50.04	47.13 - 50.04
Latest 180 business days	47.13	

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Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/8/28 - 2016/5/25) all average prices are calculated by simple arithmetic averaging.

As shown in the table above, based on the market price method, the theoretical value per SPIL Common Share falls in the range of NT\$47.13 to NT\$50.04, without taking any adjusting factors into account.

In applying the price-to-book ratio method, Mr. Ji-Sheng Chiu used the book value per SPIL Common Share and the average price-to-book value ratios of the Comparison Group along with average closing prices for 180 days up to, and including, May 25, 2016, to calculate price-to-book value ratios of the Comparison Group and to calculate a range of values for SPIL Common Shares as follows:

Comparing to Peer Companies	Average Closing Prices in Latest 180 Business Days	Net Value per Share for the First Half of 2016	Price to-Book Value Ratio
ChipMOS	32.53	21.20	1.53
Chipbond	47.86	36.31	1.32
Powertech	66.98	44.48	1.51

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Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/8/28 - 2016/5/25) all average prices are calculated by simple arithmetic averaging.

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Items	Descriptions
	Prices in NT\$
Range of multipliers	1.32 1.53 times
Net value per SPIL Common Share for the first quarter of 2016	23.23
Theoretical price range	30.66 35.54

As shown in the table above, based on the price-to-book value ratio method, the theoretical price per SPIL Common Share falls in the range of NT\$30.66 to NT\$35.54, without taking any adjusting factors into account.

In applying the price-earnings ratio method, Mr. Ji-Sheng Chiu applied the price to earnings per share ratios of the Comparison Group (based on earnings per share for the four quarters ended March 31, 2016 and the average closing prices for 180 days up to, and including, May 25, 2016) to SPIL's earnings per share for the four quarters ended March 31, 2016, to calculate a range of values for SPIL Common Shares as follows:

Comparing to Peer Companies	Average Closing Prices in Latest 180 Business Days	Earnings per Share in the Four Quarters Ended March 31, 2016	Price-Earnings Ratio
	Prices in NT\$		
ChipMOS	32.53	2.09	15.56
Chipbond	47.86	2.64	18.13
Powertech	66.98	5.37	12.47

Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/8/28 2016/5/25) all average prices are calculated by simple arithmetic averaging.

Item	Description
	Prices in NT\$
Range of multipliers	12.47 – 18.13 times
Consolidated earnings per SPIL Common Share	2.49
Theoretical price range	31.05 – 45.14

As shown in the table above, based on the price to earnings per share ratio method, the theoretical price range per SPIL Common Share falls in the range of NT\$31.05 to NT\$45.14, without taking any adjusting factors into account.



Mr. Ji-Sheng Chiu, after taking into account certain non-quantitative key factors, weighted each of the three methods described above equally to obtain a theoretical price per SPIL Common Share, as set forth below:

Evaluation Method	Price Range per SPIL Common Share	Weight	Theoretical Price Range per SPIL Common Share
	Prices in NT\$		
Market price method	47.13 - 50.04	33.3%	36.28 - 43.57
Priceto-book ratio method	30.66 - 35.54	33.3%	
Priceto-earnings ratio method	31.05 - 45.14	33.3%	

Mr. Ji-Sheng Chiu then applied an adjustment of 33.24% to account for the average premium paid in mergers involving the global semiconductor industry since the third quarter of 2015. This premium rate was obtained from Bloomberg database by virtue of the following path: “MA”, sorted by (i) period: near 12 months, (ii) trade type: MA, (iii) industry: semiconductor, and (iv) area: global. On May 25, 2016, the Bloomberg database indicated that the quarterly premium of global merger and acquisition cases in semiconductor industry for the four quarters since the third quarter of 2015 was 23.80%, 56.47%, 23.74% and 28.95%, respectively, and the average premium was 33.24%.

The adjusted price range per SPIL Common Share is presented in the table below:

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Evaluation Method	Price Range per SPIL Common Share	Adjusted Price Range per SPIL Common Share
	Prices in NT\$	
The weighted average of the results under the market price, price-to-book and the price-to-earnings methods	36.28 - 43.57	48.34 - 58.05

On the basis of this analysis, Mr. Ji-Sheng Chiu concluded that, as of May 25, 2016, the reasonable price range per SPIL Common Share should be between NT\$48.34 and NT\$58.05 and the proposed exchange of each SPIL Common Share for NT\$55 in cash pursuant to the Share Exchange was fair and reasonable.

## Second Crowe Horwath Opinion

## Consideration for ASE Common Shares

Mr. Ji-Sheng Chiu evaluated the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to the Share Exchange. Mr. Ji-Sheng Chiu used the equity attributable to owners of parent of ASE based on the audited or reviewed consolidated financial statements of ASE (NT\$158,016,614,000 as of March 31, 2016) and the total issued ASE Common Shares based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, Taiwan (7,918,272,896 as of April 26, 2016) to calculate a net book value per share of NT\$19.956. Under the Share Exchange, 7,918,272,896 ASE Common Shares would result in 3,959,136,448 HoldCo Common Shares as of the Effective Time. The net book value per HoldCo Common Share was calculated based on ASE's equity attributable to owners of parent as of March 31, 2016 to be NT\$39.912 per share. Mr. Ji-Sheng Chiu concluded that the shareholders' equity for the holders of HoldCo Common Shares would not be impaired in any way by the exchange ratio of 0.5 HoldCo Common Shares for each ASE Common Share.

The fact that the net value of ASE's equity attributable to owners of parent as of the Effective Time may vary from that as of March 31, 2016 was also considered. However, since the shareholders of ASE will contribute all the ASE Common Shares as of the Effective Time in exchange for all the HoldCo Common Shares, Mr. Ji-Sheng Chiu concluded that the shareholders' equity for the holders of HoldCo Common Shares will not be affected as a result of the Share Exchange.

Based on this analysis, Mr. Ji-Sheng Chiu concluded that, as of June 29, 2016, the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to the Share Exchange was fair and reasonable.

Consideration for SPIL Common Shares

Mr. Ji-Sheng Chiu elected for a market approach as the primary evaluation method while taking into account other non-quantitative factors to evaluate the reasonableness of the proposed exchange of each SPIL Common Share for the Cash Consideration pursuant to the Share Exchange. Under the market approach, Mr. Ji-Sheng Chiu adopted a (i) market price method that analyzed historical market prices of the SPIL Common Shares; (ii) a price-book ratio method that applied the average price-to-book value ratios of the Comparison Group (as defined below) to SPIL's book value for the quarter ended March 31, 2016; and (iii) a price-to-earnings ratio method that applied the average price to earnings per share ratios of the Comparison Group to SPIL's earnings per share for the four quarters ended March 31, 2016. Mr. Ji-Sheng Chiu determined not to use an income approach, which requires using a company's estimates for future cash flows, because such an approach involves multiple assumptions and has a relatively higher level of uncertainty and lesser objectivity as compared to other valuation methods. In addition, Mr. Ji-Sheng Chiu determined that a cost approach was not appropriate for evaluation in light of SPIL's operating model and capital structure, and therefore did not use such an approach.

Of the semiconductor manufacturing companies listed on the TWSE, Mr. Ji-Sheng Chiu selected the Comparison Group for comparison based on relative similarities customer attributes, business activities and business model.

In applying the market price method, Mr. Ji-Sheng Chiu used SPIL's recent public trading prices for SPIL Common Shares to evaluate the average market closing price for 60, 90 and 180 business days (up to, and including, June 29, 2016) to calculate a range of theoretical values for SPIL Common Shares as follows:

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Items	Average Closing Price Prices in NT\$	Theoretical Price Range
Latest 60 business days	46.25	
Latest 90 business days	46.45	45.05 – 46.45
Latest 180 business days	45.05	

Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/10/5 - 2016/6/29) all average prices are calculated by simple arithmetic averaging.

As shown in the table above, based on the market price method, the theoretical value per SPIL Common Share falls in the range of NT\$45.05 to NT\$46.45, without taking any adjusting factors into account.

In applying the price-to-book ratio method, Mr. Ji-Sheng Chiu used the book value per SPIL Common Share and the average price-to-book value ratios of the Comparison Group along with average closing prices for 180 days up to, and including, June 29, 2016 to calculate price-to-book value ratios of the Comparison Group and to calculate a range of values for SPIL Common Shares as follows:

Comparing to Peer Companies	Average Closing Prices in Latest 180 Business Days Prices in NT\$	Net Value per Share for the First Half of 2016	Price-to-Book Value Ratio
ChipMOS	32.53	21.20	1.53
Chipbond	46.86	36.31	1.29
Powertech	65.31	44.48	1.47

Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/10/5 - 2016/6/29) all average prices are calculated by simple arithmetic averaging.

Items	Descriptions Prices in NT\$
Range of multipliers	1.29 – 1.53 times
Net value per SPIL Common Share for the first quarter of 2016	23.23
Theoretical price range	29.97 – 35.54

As shown in the table above, based on the price-to-book value ratio method, the theoretical price per SPIL Common Share falls in the range of NT\$29.97 to NT\$35.54, without taking any adjusting factors into account.

In applying the price-to-earnings ratio method, Mr. Ji-Sheng Chiu applied the price to earnings per share ratios of the Comparison Group (based on earnings per share for the four quarters ended March 31, 2016 and the average closing prices for 180 days up to, and including, June 29, 2016) to SPIL's earnings per share for the four quarters ended March 31, 2016 to calculate a range of values for SPIL Common Shares as follows:

Comparing to Peer Companies	Average Closing Prices in Latest 180 Business Days	Earnings per Share in the Four Quarters Ended March 31, 2016	Price-Earnings Ratio
	Prices in NT\$		
ChipMOS	32.53	2.09	15.56
Chipbond	46.86	2.64	17.75
Powertech	65.31	5.37	12.16

Note: Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal (2015/10/5 - 2016/6/29) all average prices are calculated by simple arithmetic averaging.

Item	Description
	Prices in NT\$
Range of multipliers	12.16 – 17.75 times
Consolidated earnings per SPIL Common Share	2.49
Theoretical price range	30.28 – 44.20

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As shown in the table above, based on the price to earnings per share ratio method, the theoretical price range per SPIL Common Share falls in the range of NT\$30.28 to NT\$44.20, without taking any adjusting factors into account.

Mr. Ji-Sheng Chiu, after taking into account certain non-quantitative key factors, weighted each of the three methods described above equally to obtain a theoretical price per SPIL Common Share, as set forth below:

Evaluation Method	Price Range per SPIL Common Share	Weight	Theoretical Price Range per SPIL Common Share
	Prices in NT\$		
Market price method	45.05 – 46.45	33.3%	35.10 – 42.06
Price-to-book ratio method	29.97 – 35.54	33.3%	
Price-to-earnings ratio method	30.28 – 44.20	33.3%	

Mr. Ji-Sheng Chiu then applied an adjustment of 33.86% to account for the average premium paid in mergers involving the global semiconductor industry since the third quarter of 2015. This premium rate was obtained from Bloomberg database by virtue of the following path: “MA”, sorted by (i) period: near 12 months, (ii) trade type: MA, (iii) industry :semiconductor, and (iv) area: global. On June 29, 2016, the Bloomberg database indicated that the quarterly premium of global merger and acquisition cases in semiconductor industry for the four quarters since the third quarter of 2015 was 23.80%, 56.47%, 23.74% and 31.44%, respectively, and the average premium was 33.86%.

The adjusted price range per SPIL Common Share is presented in the table below:

Evaluation Method	Price Range per SPIL Common Share	Adjusted Price Range per SPIL Common Share
	Prices in NT\$	
The weighted average of the results under the market price, price-to-book and the price-to-earnings methods	35.10 – 42.06	46.98 – 56.30

On the basis of this analysis, Mr. Ji-Sheng Chiu concluded that, as of June 29, 2016, the reasonable price range per SPIL Common Share should be between NT\$46.98 and NT\$56.30 and the proposed exchange of each SPIL Common Share for the Cash Consideration pursuant to the Share Exchange was fair and reasonable.

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#### Consideration for ASE Common Shares

Mr. Ji-Sheng Chiu evaluated the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to the Share Exchange. Mr. Ji-Sheng Chiu used the equity attributable to owners of parent of ASE based on the audited or reviewed consolidated financial statements of ASE (NT\$185,159,550,000 as of September 30, 2017) and the total issued ASE Common Shares based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, Taiwan (8,724,619,364 as of October 26, 2017) to calculate a net book value per share of NT\$21.22265. Under the Share Exchange, 8,724,619,364 ASE Common Shares would result in 4,362,309,682 HoldCo Common Shares as of the Effective Time. The net book value per HoldCo Common Share was calculated based on ASE's equity attributable to owners of parent as of September 30, 2017 to be NT\$42.44530 per share. Mr. Ji-Sheng Chiu concluded that the shareholders' equity for the holders of HoldCo Common Shares would not be impaired in any way by the exchange ratio of 0.5 HoldCo Common Shares for each ASE Common Share.

The fact that the net value of ASE's equity attributable to owners of parent as of the Effective Time may vary from that as of September 30, 2017 was also considered. However, since the shareholders of ASE will contribute all the ASE Common Shares as of the Effective Time in exchange for all the HoldCo Common Shares, Mr. Ji-Sheng Chiu concluded that the shareholders' equity for the holders of HoldCo Common Shares will not be affected as a result of the Share Exchange.

Based on this analysis, Mr. Ji-Sheng Chiu concluded that, as of January 15, 2018, the proposed exchange of each ASE Common Share for 0.5 HoldCo Common Shares pursuant to the Share Exchange was fair and reasonable.

#### Consideration for SPIL Common Shares

Mr. Ji-Sheng Chiu elected for a market approach as the primary evaluation method while taking into account other non-quantitative factors to evaluate the reasonableness of the proposed exchange of each SPIL Common Share for the Cash Consideration pursuant to the Share Exchange. Under the market approach, Mr. Ji-Sheng Chiu adopted a (i) market price method that analyzed historical market prices of the SPIL Common Shares; (ii) a price-to-book ratio method that applied the average price-to-book value ratios of the Comparison Group (as defined below) to SPIL's book value for the quarter ended September 30, 2017; and (iii) a price-to-earnings ratio method that applied the average price to earnings per share ratios of the Comparison Group to SPIL's earnings per share for the four quarters ended September 30, 2017. Mr. Ji-Sheng Chiu determined not to use an income approach, which requires using a company's estimates for future cash flows, because such an approach involves multiple assumptions and has a relatively higher level of uncertainty and lesser objectivity as compared to other valuation methods. In addition, Mr. Ji-Sheng Chiu determined that a cost approach was not appropriate for evaluation in light of SPIL's operating model and capital structure, and therefore did not use such an approach.





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Of the semiconductor manufacturing companies listed on the TWSE, Mr. Ji-Sheng Chiu selected the Comparison Group for comparison based on relative similarities customer attributes, business activities and business model.

In applying the market price method, Mr. Ji-Sheng Chiu used SPIL's recent public trading prices for SPIL Common Shares to evaluate the average market closing price for 60, 90 and 180 business days (up to, and including, January 12, 2018) to calculate a range of theoretical values for SPIL Common Shares as follows:

Unit: NT\$

Items	Average Closing Price	Theoretical Price Range
Latest 60 business days	49.15	
Latest 90 business days	48.77	48.38 ~ 49.15
Latest 180 business days	48.38	

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

As shown in the table above, based on the market price method, the theoretical value per SPIL Common Share falls in the range of NT\$48.38 to NT\$49.15, without taking any adjusting factors into account.

In applying the price-to-book ratio method, Mr. Ji-Sheng Chiu used the book value per SPIL Common Share and the average price-to-book value ratios of the Comparison Group along with average closing prices for 180 days up to, and including, January 12, 2018 to calculate price-to-book value ratios of the Comparison Group and to calculate a range of values for SPIL Common Shares as follows:

Unit: NT\$

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Comparable peers	Average Closing Price in Latest 180 Business Days	Net Value per Share for the Third Quarter of 2017	Price-Book Ratio
ChipMOS	28.87	20.50	1.41
Chipbond	50.89	36.26	1.40
Powertech	91.24	46.91	1.95

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

Items	Descriptions
Range of multipliers	1.40 ~ 1.95
Net value per SPIL Common Share for the third quarter of 2017	21.62
Theoretical price range	30.27 ~ 42.16

As shown in the table above, based on the price-to-book value ratio method, the theoretical price per SPIL Common Share falls in the range of NT\$30.27 to NT\$42.16, without taking any adjusting factors into account.

In applying the price-to-earnings ratio method, Mr. Ji-Sheng Chiu applied the price to earnings per share ratios of the Comparison Group (based on earnings per share for the four quarters ended September 30, 2017 and the average closing prices for 180 days up to, and including, January 12, 2018) to SPIL's earnings per share for the four quarters ended September 30, 2017 to calculate a range of values for SPIL Common Shares as follows:

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Unit: NT\$

Comparable peers	Average Closing Price in Latest 180 Business Days	Earnings per Share in the Four Quarters Ended September 30, 2017	Price-Earnings Ratio
ChipMOS	28.87	3.92	7.36
Chipbond	50.89	3.52	14.46
Powertech	91.24	7.23	12.62

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

Unit: NT\$

Items	Descriptions
Range of multipliers	7.36 ~ 14.46
Consolidated earnings per SPIL Common Share	2.64
Theoretical price range	19.43 ~ 38.17

As shown in the table above, based on the price to earnings per share ratio method, the theoretical price range per SPIL Common Share falls in the range of NT\$19.43 to NT\$38.17, without taking any adjusting factors into account.

Mr. Ji-Sheng Chiu, after taking into account certain non-quantitative key factors with reference to the statistics of Bloomberg and the average premium rate of 30.92% of the global merger and acquisition cases in semiconductor industry since the third quarter of 2017, weighted each of the three methods described above equally to obtain a theoretical price per SPIL Common Share, as set forth below:

Unit: NT\$

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Evaluation Method	Reference Price Range per SPIL Common Share	Weight	Theoretical Price Range per SPIL Common Share	Reference Price Range after Adjustment
Market Price Approach	42.38~ 49.15	1/3		
Price-book Ratio Approach	30.27~42.16	1/3	32.69~ 43.16	42.80~ 56.51
Price-earnings Ratio Approach	19.43~ 38.17	1/3		

On the basis of this analysis, Mr. Ji-Sheng Chiu concluded that, as of January 15, 2018, the reasonable price range per SPIL Common Share should be between NT\$42.80 and NT\$56.51 and the proposed exchange of each SPIL Common Share for NT\$55 in cash (subject to adjustment to NT\$51.2 after deduction of cash dividends distribution if NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share) pursuant to the Share Exchange was fair and reasonable.

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Effects of the Share Exchange on ASE and SPIL

Private Ownership

SPIL ADSs are currently listed on NASDAQ under the symbol “SPIL.” It is expected that, immediately following the completion of the Share Exchange, SPIL will cease to be a publicly traded company and will instead become a privately held company wholly owned directly by HoldCo. Following the completion of the Share Exchange, SPIL ADSs will cease to be listed on NASDAQ, and price quotations with respect to sales of the SPIL ADSs in the public market will no longer be available. In addition, registration of the SPIL ADSs and the underlying SPIL Common Shares under the Exchange Act, will be terminated. After the Effective Time, SPIL will no longer be required to file periodic reports with the SEC or otherwise be subject to the U.S. federal securities laws, including the Sarbanes-Oxley Act, applicable to public companies. After the completion of the Share Exchange, SPIL shareholders will no longer enjoy the rights or protections that the U.S. federal securities laws provide.

Upon completion of the Share Exchange, each SPIL Common Share issued immediately prior to the Effective Time, including the shares beneficially owned by ASE and treasury shares of SPIL will be transferred to HoldCo in exchange for the right to receive the SPIL Common Shares Cash Consideration, and each SPIL ADS, including the ADSs beneficially owned by ASE, will represent the right to receive, through the SPIL ADS Depository, the SPIL ADS Cash Consideration through SPIL ADS Depository, respectively, without interest and net of any applicable withholding taxes. As a result, current holders of SPIL Common Shares and SPIL ADS, will no longer have any equity interest in, or be shareholders or American depository shareholders of SPIL upon completion of the Share Exchange. As a result, holders of SPIL Common Shares and SPIL ADSs will not have the opportunity to participate in the earnings and growth of SPIL and they will not have the right to vote on corporate matters following the completion of the Exchange. Similarly, holders of SPIL Common Shares and SPIL ADSs will not be exposed to the risk of loss in relation to their investment in SPIL.

Directors and Management of the Surviving Company

Upon completion of the Share Exchange, the directors of SPIL will continue to serve as directors for their respective terms, and ASE has undertaken to reelect or appoint the SPIL directors whose terms end in June 2017, if they have not been found to violate their respective fiduciary duties. SPIL’s chairman (being Mr. Bough Lin or his successor), and SPIL’s president (being Mr. Chi-Wen Tsai or his successor), are expected to serve as directors of HoldCo. The directors of SPIL are also authorized to retain the executive officers of the SPIL as long as the fiduciary duties of the directors can be discharged.

Primary Benefits and Detriments of the Share Exchange

The primary benefits of the Share Exchange to the holders of SPIL Common Shares and SPIL ADSs include, without limitation, the following:

the NT\$55 per SPIL Common Share cash consideration and the NT\$275 per SPIL ADS cash consideration offered to the holders of SPIL Common Shares and SPIL ADSs, represent a premium of 8.9% and 12.3%, respectively, over the closing price of NT\$50.5 per SPIL Common Share and \$7.52 per SPIL ADS, respectively, on May 25, 2016, the last trading day before the public announcement of the execution of the Joint Share Exchange MOU, and a premium of 17.4% and 10.3%, respectively, over SPIL's one-month and three-month volume-weighted average price of NT\$46.86 and NT\$49.85, respectively, as quoted by the TWSE on the May 25, 2016, and a premium of 19.7% and 11.6%, respectively, over SPIL's one-month and three-month volume-weighted average price of \$7.06 and \$7.57, respectively, as quoted by NASDAQ on May 25, 2016; and

the all-cash consideration, which will allow SPIL shareholders to immediately realize liquidity for their investment and provide them with certainty of the value of their SPIL Common Shares or SPIL ADSs.

The primary detriments of the Share Exchange to the holders of SPIL Common Shares and SPIL ADSs include, without limitation, the following:

the shareholders and ADS holders will have no ongoing equity participation in SPIL following the Share Exchange, and that they will cease to participate in SPIL's future earnings or growth, if any, or to benefit from increases, if any, in the value of the SPIL Common Shares, and will not participate in any potential future sale of SPIL to a third party or any potential recapitalization of SPIL which could include a dividend to shareholders;

the inability to participate in any potential future sale of part or all of SPIL following the Share Exchange to one or more purchasers at a valuation higher than that being paid in the Share Exchange; and

the taxability of an all cash transaction to SPIL shareholders and ADS holders who are U.S. Holders (as defined below) for U.S. federal income tax purposes.

The primary benefits of the Share Exchange to ASE include the following:

the combination of ASE and SPIL under the holding company structure will allow both companies to better utilize their total capacity to achieve broader service coverage across products and offer more innovative and complete solutions to their customers;

the combination of ASE and SPIL will allow each company to have better insights to semiconductor customers and end markets to enable more accurate forecasting of customer demand and facilitate better planning and capacity

investment, which would in turn allow ASE and SPIL the ability to execute and deliver on its business plans throughout the business cycle and in a semiconductor industry that is highly competitive, cyclical and subject to constant and rapid technological change;

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the expectation that the larger-scale organization, greater marketing resources and financial strength of HoldCo will lead to improved opportunities for marketing and cross-selling ASE's and SPIL's products after the combination; and

ASE's current shareholders will own approximately the same ownership and voting interest in HoldCo following the completion of the Share Exchange.

The primary detriments of the Share Exchange to ASE include the following:

the difficulty and costs inherent in consolidating resources in ASE and SPIL under the holding company structure and the risk that anticipated strategic and other benefits to ASE and SPIL following completion of the Share Exchange, including the estimated cost savings and cost synergies described above, will not be realized or will take longer to realize than expected; and

as to the Cash Consideration paid to SPIL shareholders in the Share Exchange, the financial interests of ASE are different from the financial interests of SPIL shareholders.

## SPIL's Net Book Value and Net Earnings

The table below sets out the indirect interest in SPIL's net book value and net earnings for ASE before and after the Share Exchange, based on the historical net book value and net earnings of SPIL as of and for the year ended December 31, 2015.

Name	Ownership Prior to the Share Exchange						Ownership After the Share Exchange					
	Net Book Value			Earnings			Net Book Value			Earnings		
	(in millions)		%	(in millions)		%	(in millions)		%	(in millions)		%
	NT\$	US\$		NT\$	US\$		NT\$	US\$		NT\$	US\$	
ASE	21,113.2	675.2	33.29	2,414.7	77.2	33.29	63,422.0	2,028.2	100.00	7,253.5	232.0	100.00

## Alternatives to the Share Exchange

Following the concerns reflected in ASE's November 16, 2015 amendment to its report on Schedule 13D, ASE considered a number of alternative structures and approaches in order to maximize the value of its investment in SPIL. These alternatives involved launching the Second ASE Tender Offers or acquiring additional SPIL Common Shares



through one or more market purchases or through one or more further tender offers. In addition, had the Second ASE Tender Offers been successfully consummated, ASE had intended to seek to discharge the SPIL Board at one or more shareholders' meetings or await the expiration of the current SPIL Board's term and elect new nominees to the SPIL Board, and to subsequently cause the SPIL Board to resolve in favor of a transaction proposed by ASE.

Following the commencement of discussions and negotiations between ASE and SPIL in April 2016, the boards and senior management of ASE and SPIL and their respective advisors considered alternative ways of structuring the transaction, including a direct acquisition by ASE of all SPIL Common Shares and SPIL ADSs. However, the boards and senior management of each of ASE and SPIL concluded that the Share Exchange and establishment of HoldCo was the best way to incentivize healthy internal competition and promote cooperation, improve each company's operating efficiency, economies of scale as well as enhance research and development and innovation, and thereby create an environment of mutual assistance and win-win mentality, strengthening competitiveness and improving the performance of HoldCo, with the main goals of improving the quality of customer service, creating shareholders' value and benefiting the employees.

#### Plans for SPIL after the Share Exchange

After the Effective Time, ASE and SPIL will become wholly owned subsidiaries of HoldCo. Prior to and upon completion of the Share Exchange, ASE and SPIL will own and continue to conduct their respective businesses that they currently conduct in substantially the same manner.

Other than as described in this proxy statement/prospectus, there are no present plans or proposals that relate to or would result in any of the following:

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an extraordinary corporate transaction involving SPIL's corporate structure, business, or management, such as a merger, reorganization, liquidation or relocation of any material operations;

sale or transfer of a material amount of assets of SPIL or any of its subsidiaries; or

any other material changes in SPIL's business.

Upon the establishment of HoldCo, HoldCo's board will continue to evaluate the entire business and operations of HoldCo from time to time, and may propose or develop plans and proposals which it considers to be in the best interests of HoldCo and its shareholders, including the disposition or acquisition of material assets, alliances, joint ventures, and other forms of cooperation with third parties or other extraordinary transactions.

**Board of Directors and Management of HoldCo Following Completion of the Share Exchange**

HoldCo will not come into existence before the Effective Time. The ASE EGM will function as the HoldCo incorporators' meeting by operation of law. Therefore, at the ASE EGM, shareholders of ASE will elect the members of the board of directors and supervisors of HoldCo.

Under the terms of the Joint Share Exchange Agreement, at the HoldCo incorporators' meeting, nine to 13 directors and three supervisors will be elected for HoldCo, which terms of such directors and supervisors will start from Effective Time. SPIL's Chairman and President should be appointed as directors of HoldCo. After completion of the Share Exchange, subject to ASE shareholders' adoption of the HoldCo director and supervisor election proposals, the board of directors of HoldCo is expected to include Jason C.S. Chang (management director, Chairman), Richard H.P. Chang (management director, Vice-Chairman), Bough Lin (management director), Chi-Wen Tsai (management director), Rutherford Chang (management director), Tien Wu (management director), Joseph Tung (management director), Raymond Lo (management director), Tien-Szu Chen (management director), Jeffrey Chen (management director) and Freddie Liu (non-management director). Alan Cheng, Yuan-Chuang Fung and Fang-Yin Chen are expected to be the supervisors of HoldCo. It is expected that Jason C.S. Chang will be appointed as Chief Executive Officer and Joseph Tung will be appointed as Chief Financial Officer of HoldCo.

From and after the Effective Time, the board of directors of HoldCo will establish an audit committee, which will consist of one non-management director, Freddie Liu, who is expected to be independent under Rule 10A-3 of the Exchange Act and financially literate with accounting or related financial management expertise. ASE is currently, and upon completion of the Share Exchange, HoldCo will be, subject to NYSE corporate governance requirements, as applicable to foreign private issuers. It is expected that the audit committee of HoldCo established at the Effective Time would satisfy and comply with the requirements of section 303A.06 of the NYSE Listing Company Manual.

The following table sets forth information regarding all of the expected directors, supervisors and senior management of HoldCo as of the Effective Time. In accordance with ROC law, each of our directors and supervisors is elected either in his or her capacity as an individual or as an individual representative of a corporation or government. Persons designated to represent corporate or government shareholders as directors are typically nominated by such shareholders at the annual general meeting and may be replaced as representatives by such shareholders at will. Of HoldCo's directors, it is expected that eight will represent ASEE. The remaining directors and supervisors serve in their capacity as individuals.

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<b>Name</b>	<b>Position</b>	<b>Age</b>	<b>Other Significant Positions Held Outside of the HoldCo</b>
Jason C.S. Chang <sup>(1)(2)</sup>	Management director, Chairman and Chief Executive Officer of HoldCo	73	None
Richard H.P. Chang <sup>(1)</sup>	Management director and Vice-Chairman of HoldCo	70	Chairman, Sino Horizon Holdings Ltd.
Bough Lin <sup>(2)</sup>	Management director of HoldCo	65	None
Chi-Wen Tsai <sup>(2)</sup>	Management director of HoldCo	69	None
Rutherford Chang <sup>(3)</sup>	Management director of HoldCo	37	None
Tien Wu <sup>(2)</sup>	Management director of HoldCo	60	None
Joseph Tung <sup>(2)</sup>	Management director and Chief Financial Officer of HoldCo	59	Independent director, Ta Chong Bank Ltd.
Raymond Lo <sup>(2)</sup>	Management director of HoldCo	63	None
Tien-Szu Chen <sup>(2)</sup>	Management director of HoldCo	56	None
Jeffrey Chen <sup>(2)</sup>	Management director of HoldCo	53	Independent Director and a member of the compensation committee, Mercuries & Associates Holding Ltd; director, Jiangsu Longchen Greentech Co., Ltd.
Freddie Liu	Non-management director and audit committee member of HoldCo	53	Chief strategy officer, TPK Holding Co., Ltd.
Alan Cheng	Supervisor of HoldCo	72	Chairman, HR Silvine Electronics, Inc.
Yuan-Chuang Fung	Supervisor of HoldCo	88	Director, Accton Technology Corporation
Fang-Yin Chen	Supervisor of HoldCo	51	Director and vice president of finance department, Hung Ching Development & Construction Co. Ltd.

(1) Jason C.S. Chang and Richard H.P. Chang are brothers.

(2) Representative of ASEE, a company organized under the laws of Hong Kong, which held 15.7% of ASE's total outstanding shares as of November 30, 2017, and is expected to hold approximately 15.7% of HoldCo's total outstanding shares as of the Effective Time. All of the outstanding shares of ASEE are held through intermediary holding companies and under a revocable trust for the benefit of Jason C.S. Chang and his family.

(3) Rutherford Chang is the son of Jason C.S. Chang.

*Jason C.S. Chang* is expected to be elected as a management director and Chairman and appointed as Chief Executive Officer of HoldCo. Mr. Chang has served as Chairman of ASE since its founding in March 1984 and as its Chief Executive Officer since May 2003. Mr. Chang holds a bachelor's degree in electrical engineering from National Taiwan University and a master's degree from the Illinois Institute of Technology. He is the brother of Richard H.P. Chang, ASE's Vice-Chairman and President.

*Richard H.P. Chang* is expected to be elected as a management director and Vice-Chairman of HoldCo. Mr. Chang has served as Vice-Chairman of ASE since November 1999 after having served as President of ASE since its founding in March 1984, and served as Chief Executive Officer of ASE from July 2000 to April 2003. In February 2003, he was again appointed President of ASE upon the retirement of Mr. Leonard Y. Liu. Mr. Chang has also served as the Chairman of Universal Scientific Industrial (Shanghai) Co., Ltd. since June 2008. Mr. Chang holds a bachelor's degree in industrial engineering from Chung Yuan Christian University in Taiwan. He is the brother of Jason C.S. Chang, ASE's Chairman and Chief Executive Officer.

*Bough Lin* is expected to be elected as a management director of HoldCo. Dr. Lin has served as Chairman and director of SPIL since August 1984. Dr. Lin also serves as a director of Siliconware Investment Co., Ltd., SPIL (B.V.I.) Holding Ltd. and Siliconware U.S.A., Inc., as SPIL's representative. Dr. Lin holds a bachelor's degree in electronic physics from National Chiao Tung University in Taiwan and was also awarded an honorary Ph.D. from National Chiao Tung University in Taiwan.

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*Chi-Wen Tsai* is expected to be elected as a management director of HoldCo. Mr. Tsai has served as Vice-Chairman, a director and President of SPIL since August 1984. Mr. Tsai also serves as a director of SPIL (Cayman) Holding Ltd., Siliconware Technology (Suzhou) Ltd., Siliconware Electronics (Fujian) Co., Limited and Siliconware U.S.A., Inc., as SPIL's representative. Mr. Tsai holds a bachelor's degree in electrical engineering from the National Taipei Institute of Technology in Taiwan.

*Rutherford Chang* is expected to be elected as a management director of HoldCo. Mr. Chang has served as a director of ASE since June 2009 and General Manager of China Region of ASE since June 2010. He joined ASE group in March 2005. Mr. Chang holds a bachelor's degree in psychology from Wesleyan University in Connecticut. He is the son of Jason C.S. Chang, ASE's Chairman and Chief Executive Officer.

*Tien Wu* is expected to be elected as a management director of HoldCo. Dr. Wu has served as a director of ASE since June 2003 and Chief Operating Officer of ASE since April 2006, prior to which he served as the President of Worldwide Marketing and Strategy of the ASE group. Prior to joining ASE Inc. in March 2000, Dr. Wu held various managerial positions with IBM. Dr. Wu holds a bachelor's degree in civil engineering from National Taiwan University in Taiwan, a master's degree and a Ph.D. degree in mechanical engineering and applied mechanics from the University of Pennsylvania. See "Recent Development."

*Joseph Tung* is expected to be elected as a management director and appointed as the Chief Financial Officer of HoldCo. Mr. Tung has served as a director of ASE since April 1997 and Chief Financial Officer of ASE since December 1994. He is also an independent director of Ta Chong Bank Ltd. since October 2007. Before joining ASE, Mr. Tung was a vice president at Citibank, N.A. Mr. Tung holds a bachelor's degree in economics from the National Chengchi University in Taiwan and a master's degree in business administration from the University of Southern California.

*Raymond Lo* is expected to be elected as a management director of HoldCo. Mr. Lo has served as a director of ASE since May 2006 and General Manager of ASE's packaging facility in Kaohsiung, Taiwan since April 2006. Before joining ASE group, Mr. Lo was the Director of Quality Assurance at Zeny Electronics Co. Mr. Lo holds a bachelor's degree in electronic physics from the National Chiao Tung University in Taiwan.

*Tien-Szu Chen* is expected to be elected as a management director of HoldCo. Mr. Chen has served as a director of ASE since June 2015 and General Manager of ASE Chung-Li branch since August 2015. Prior to his current position, Mr. Chen served as ASE's supervisor from June 2006 to June 2015 and as President of Power ASE Technology Inc. from June 2006 to May 2012. He also held several key management positions within the ASE group from June 1988 to June 2006, including President of ASE Chung-Li branch and Senior Vice President of ASE. Prior to joining ASE group in June 1988, Mr. Chen worked at TSMC and Philips Semiconductor Kaohsiung. Mr. Chen holds a bachelor's degree in industrial engineering from Chung Yuan Christian University in Taiwan.

*Jeffrey Chen* is expected to be elected as a management director of HoldCo. Mr. Chen has served as a director of ASE since June 2003 and as General Manager of China Headquarters of ASE. Prior to joining ASE, he worked in the corporate banking department of Citibank, N.A. in Taipei and as a vice president of corporate finance at Bankers Trust in Taipei. Mr. Chen holds a bachelor's degree in finance and economics from Simon Fraser University in Canada and a master's degree in business administration from the University of British Columbia in Canada.

*Freddie Liu* is expected to be elected as a non-management director and a member of the audit committee of HoldCo. Mr. Liu also serves as the chief strategy officer of TPK Holding Co., Ltd. and has served as chief financial officer and vice president of TPK Holding Co., Ltd. from September 2009 to August 2017. Prior to joining TPK Holding Co., Ltd., Mr. Liu served as the vice president of finance at ASE from 1997 to 2009. Prior to that, Mr. Liu served as a vice president at Citibank. He received a master's degree in business administration from the University of Michigan.

*Alan Cheng* is expected to be elected as a supervisor of HoldCo. Mr. Cheng also serves as chairman of HR Silvine Electronics, Inc. and a supervisor at ASE Test, Inc. Mr. Cheng holds a degree in industrial engineering from Chung Yuan Christian University in Taiwan and a master's degree in industrial engineering from Rhode Island University.

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*Yuan-Chuang Fang* is expected to be elected as a supervisor of HoldCo. Mr. Fung also serves as a director of Accton Technology Corporation and was a director of Claridy Solution, Inc. as well as a general manager of Wang Laboratories Taiwan. Mr. Fung holds a bachelor's degree in engineering from Purdue University.

*Fang-Yin Chen* is expected to be elected as a supervisor of HoldCo. Mrs. Chen also serves as a director and vice president of finance department of Hung Ching Development & Construction Co. Ltd. Prior to joining Hung Ching Development & Construction Co. Ltd., Mrs. Chen worked at Deloitte Taiwan from September 1988 to June 1992. Mrs. Chen holds a bachelor's degree in Accounting from Tamkang University in Taiwan.

Under ROC law, companies that are newly incorporated by way of a statutory share exchange under the ROC Mergers and Acquisitions Act, including the Share Exchange, may only elect independent directors *after* the new holding company has been incorporated and that a separate shareholders' meeting has to be called upon to elect the independent directors. Therefore, it is expected that HoldCo will hold another shareholders' meeting within a certain period after the Effective Time to elect the independent directors of HoldCo. The newly elected independent directors of HoldCo are expected to satisfy the independence standards under Rule 10A-3 of the Exchange Act as well as the independence standards under TWSE listing rules. It is expected that the three supervisors and the one non-management director previously elected at ASE EGM will retire from HoldCo at the time the new independent directors are elected. The audit committee of HoldCo will also be composed exclusively of the newly elected independent directors. It is expected that the extraordinary shareholders' meeting of HoldCo to elect the new independent directors will take place on or after June 20, 2018.

Financing of the Share Exchange

HoldCo intends to fund the Cash Consideration, which is an aggregate amount of approximately NT\$173.16 billion (US\$5.71 billion) (including the NT\$51.2 per SPIL Common Share Cash Consideration payable to holders of the SPIL Convertible Bonds that have not been otherwise redeemed or repurchased by the SPIL, or cancelled or converted prior to the Effective Time), with a combination of ASE's cash on hand and debt financing. Subject to the amount of cash on hand at the time that ASE arranges for financing, ASE may arrange bank loans up to NT\$173 billion (US\$5.70 billion) with a combination of a syndication loan of NT\$120 billion (US\$3.96 billion) and a short-term bridge loan of NT\$53 billion (US\$1.75 billion). In a highly confident letter dated November 7, 2016, issued by Citibank to ASE, Citibank stated that it is highly confident of its ability to arrange debt facilities for the Share Exchange up to an amount of US\$3.8 billion equivalent. In another highly confident letter dated November 16, 2016, issued by DBS to ASE, DBS stated that it is confident of its ability to arrange debt facilities for the Share Exchange up to an amount of NT\$53 billion (US\$1.75 billion). Both highly confident letters contained certain customary conditions to the arrangement of such facilities, including the following material conditions: (i) the applicable bank being appointed as the bookrunner and arranger of the facility, (ii) completion of customary due diligence with the results being satisfactory to the applicable bank, (iii) final agreement on the pricing, terms and conditions for the facility, (iv) negotiation, execution and delivery of financing documentation in form and substance satisfactory to the applicable bank, (v) receipt of all relevant approvals in connection with the Share Exchange, including approval of the credit committee of the applicable bank, (vi) consummation of the Share Exchange on terms and conditions satisfactory to



the applicable bank, and (vii) market conditions at the relevant time being satisfactory to the applicable bank.

In addition, on December 8, 2016, the ASE Board approved a capital increase in which ASE offered 300 million new ASE Common Shares, par value NT\$10 per share. The subscription price was later set at NT\$34.3 (US\$1.13) per share and the total amount of proceeds of such capital increase was NT\$10.29 billion (US\$339.27 million). Eighty percent of such new ASE Common Shares was subscribed for by ASE's existing shareholders on a pro rata basis, ten percent of such new ASE Common Shares was subscribed for by ASE's employees and the remaining ten percent of such new ASE Common Shares was sold to the general public in Taiwan. On December 16, 2016, ASE filed with the SEC a registration statement on Form F-3 and a preliminary prospectus supplement in connection with the Rights Offering. On February 3, 2017 and March 28, 2017, ASE filed with the SEC a prospectus supplement on Form 424B5 in connection with the Rights Offering. ASE used the proceeds of the capital increase to reduce or retire existing indebtedness, which improved its capital position and free up its borrowing capacity to facilitate the incurrence of indebtedness to finance the Share Exchange.

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Certain ROC and U.S. Federal Income Tax Consequences of the Share Exchange for Holders of ASE Common Shares or ADSs

### ROC Taxation

The following is a summary of the principal ROC tax consequences of the Share Exchange and the ownership of HoldCo Common Shares to a non-resident individual or non-resident entity that owns ASE Common Shares and ultimately HoldCo Common Shares (a “non-ROC holder”) on the assumption that HoldCo Common Shares will be listed on the TWSE as scheduled. As used in the preceding sentence, a “non-resident individual” is a non-ROC national who owns ASE Common Shares or HoldCo Common Shares, as the case may be, and is not physically present in the ROC for 183 days or more during any calendar year, and a “non-resident entity” is a corporation or a non-corporate body that owns ASE’s common shares or HoldCo Common Shares, as the case may be, is organized under the law of a jurisdiction other than the ROC and has no fixed place of business or business agent in the ROC.

The statements regarding ROC tax laws set forth below are based on the laws in force and applicable as of the date hereof, which are subject to change, possibly on a retroactive basis.

This summary is not exhaustive of all possible tax considerations, which may apply to a particular non-ROC holder and potential non-ROC holders are advised to satisfy themselves as to the overall tax consequences of the acquisition, ownership and disposition of HoldCo Common Shares, including specifically the tax consequences under ROC law, the laws of the jurisdiction of which they are residents, and any tax treaty between ROC and their country of residence, by consulting their own tax advisors.

### Tax Consequences Arising from the Share Exchange

#### Securities Transaction Tax

In the view of Baker & McKenzie, by reasonable interpretation of the ROC Mergers and Acquisitions Act based on current rules and regulations promulgated by ROC tax authority, ASE’s shareholders should not be subject to the ROC securities transaction tax upon the Share Exchange since such shareholders will receive solely HoldCo Common Shares (including those represented by HoldCo ADSs) as consideration for the Share Exchange. However, we cannot assure you that the ROC tax agency will agree. A transfer of shares in a share exchange is exempted from the securities transaction tax if at least 65% of the total consideration to be paid to shareholders is paid in certain equity shares, such as the HoldCo Common Shares (including those represented by HoldCo ADSs). If, contrary to the view

of Baker & McKenzie, the ROC tax agency successfully takes a different position and interprets the ROC Mergers and Acquisitions Act in a manner that the ROC tax agency considers the Cash Consideration as part of such total consideration, the share consideration paid to ASE shareholders will be lower than the 65% threshold and a securities transaction tax of 0.3% would be imposed on the transaction price of the Share Exchange. HoldCo intends to issue the share consideration to ASE shareholders at the Effective Time without deducting or withholding any ROC securities transaction tax. See the section entitled “Risk Factors — Risks Relating to Owning HoldCo ADSs — A different view of the ROC tax agency from our current treatment of the ROC securities transaction tax might cause tax uncertainties to HoldCo shareholders” for further discussion.

#### Capital gains

Capital gains realized upon the Share Exchange are exempted from ROC income tax.

#### Tax Consequences of Owning HoldCo Common Shares

##### Dividends

Dividends (whether in cash or common shares) declared by HoldCo out of retained earnings and distributed to a non-ROC holder are subject to ROC withholding tax, currently at a rate of 21% (unless a preferable tax rate is provided under a tax treaty between the ROC and the jurisdiction where the non-ROC holder is a resident) on the amount of the distribution (in the case of cash dividends) or on the par value of the distributed common shares (in the case of stock dividends). A 10% undistributed earning tax is imposed on a ROC company for its after-tax earnings generated after January 1, 1998 that are not distributed in the following year. The undistributed earning tax so paid by the ROC company will reduce the retained earnings available for future distributions. When HoldCo declares a dividend out of those retained earnings, an amount in respect of the undistributed earnings tax, up to a

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maximum amount of 5% of the dividend to be distributed, will be credited against the withholding tax imposed on the non-ROC holders.

Distributions of stock dividends out of capital reserves will not be subject to withholding tax, except under limited circumstances.

## Capital Gains

Starting from January 1, 2016, capital gains realized upon the sale or other disposition of common shares are exempt from ROC income tax.

Sales of ADSs are not regarded as sales of ROC securities and thus any gains derived from transfers of ADSs by non-ROC holders are not currently subject to ROC income tax.

## Securities Transaction Tax

Securities transaction tax will be imposed on the seller at the rate of 0.3% of the transaction price upon a sale of common shares. Transfers of American depositary shares are not subject to the ROC securities transaction tax.

## Subscription Rights

Distributions of statutory subscription rights for HoldCo Common Shares in compliance with the ROC Company Law are currently not subject to ROC tax. Sales of statutory subscription rights evidenced by securities are subject to the securities transaction tax, currently at the rate of 0.3% of the gross amount received. Proceeds derived from sales of statutory subscription rights, which are not evidenced by securities, are not subject to securities transaction tax but are subject to income tax at a fixed rate of 20% of the income if the seller is a non-ROC holder regardless of whether the non-ROC holder is an individual or entity. Subject to compliance with ROC laws, HoldCo, in its sole discretion, may determine whether statutory subscription rights are evidenced by securities.

## Estate and Gift Tax

ROC estate tax is payable on any property within the ROC left by a deceased non-resident individual, and ROC gift tax is payable on any property within the ROC donated by a non-resident individual. Estate tax and gift tax are currently imposed at the rate of 10%. Under the ROC Estate and Gift Tax Act, common shares issued by ROC companies are deemed located in the ROC without regard to the location of the owner. It is unclear whether a holder of ADSs will be considered to own common shares for this purpose.

#### Tax Treaty

At present, the ROC has income tax treaties with Indonesia, Singapore, New Zealand, Australia, the United Kingdom, South Africa, the Gambia, Swaziland, Malaysia, Macedonia, the Netherlands, Senegal, Sweden, Belgium, Denmark, Israel, Vietnam, Paraguay, Hungary, France, India, Slovakia, Switzerland, Germany, Thailand, Kiribati, Luxembourg, Austria, Italy, Japan and Poland. These tax treaties may limit the rate of ROC withholding tax on dividends paid with respect to common shares issued by ROC companies. If a non-ROC holder of ADSs successfully proves to the ROC tax agency that he/she is the beneficial owner of common shares, such non-ROC holder will be considered as the beneficial owner of common shares for the purposes of such treaties. Holders of ADSs who wish to apply a reduced withholding tax rate that is provided under a tax treaty should consult their own tax advisers concerning such application. The United States does not have an income tax treaty with the ROC.

#### United States Taxation

In the opinion of Davis Polk & Wardwell LLP, the following are material U.S. federal income tax consequences to the U.S. Holders described below of the Share Exchange and of owning and disposing of HoldCo ADSs or HoldCo Common Shares received in the Share Exchange, but it does not purport to be a comprehensive description of all tax considerations that may be relevant to a particular person's decision to participate in the Share Exchange or own or dispose of such securities. This discussion applies only to U.S. Holders who hold ASE ADSs or ASE Common Shares, and will hold HoldCo ADSs or HoldCo Common Shares, as capital assets for U.S. federal income tax purposes. Except as otherwise stated, references to ADSs or Common Shares in this discussion refer to ASE ADSs or Common Shares prior to the Share Exchange and HoldCo ADSs or Common Shares thereafter. In addition,

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it does not describe all of the tax consequences that may be relevant in light of a U.S. Holder's particular circumstances, including alternative minimum tax consequences or the Medicare contribution tax on net investment income, and tax consequences applicable to U.S. Holders subject to special rules, such as:

- certain financial institutions;
- dealers or certain traders in securities;
- persons holding ADSs or Common Shares as part of a "straddle" or integrated transaction or similar transaction or persons entering into a constructive sale with respect to ADSs or Common Shares;
- persons whose functional currency for U.S. federal income tax purposes is not the U.S. dollar;
- entities classified as partnerships for U.S. federal income tax purposes;
- tax-exempt entities;
- persons that own or are deemed to own 10% or more of our voting stock;
- persons who acquired or received ADSs or Common Shares pursuant to the exercise of an employee stock option or otherwise as compensation; or
- persons holding ADSs or Common Shares in connection with a trade or business conducted outside the United States.

In addition, this discussion does not address the U.S. federal income tax consequences to a person that will own, actually or constructively, 5% or more of the total voting power or the total value of HoldCo stock immediately after the Share Exchange. Any such person should consult its tax adviser concerning the U.S. federal income tax consequences of the Share Exchange in light of its particular circumstances, including the requirement to enter into a gain recognition agreement with the U.S. Treasury in order to defer the recognition of any gain realized on the Share Exchange.

If an entity that is classified as a partnership for U.S. federal income tax purposes owns HoldCo ADSs or Common Shares, the U.S. federal income tax treatment of a partner will generally depend on the status of the partner and the activities of the partnership. Entities classified as partnerships for U.S. federal income tax purposes and their partners should consult their tax advisers as to the particular U.S. federal income tax consequences of the Share Exchange and

owning and disposing of the ADSs or Common Shares.

This discussion is based on the U.S. Internal Revenue Code of 1986, as amended (the “Code”), administrative pronouncements, judicial decisions and final, temporary and proposed Treasury Regulations, all as of the date hereof and changes to any of which subsequent to the date of this proxy statement/prospectus may affect the tax consequences described herein, possibly with retroactive effect. This discussion is also based, in part, on representations by ASE, the ASE Depositary and the HoldCo Depositary and assumes that each representation by ASE is and will remain true through the date of the Share Exchange and each obligation under the HoldCo Deposit Agreement and any related agreement will be performed in accordance with their terms.

As used herein, a “U.S. Holder” is a beneficial owner of ASE ADSs, ASE Common Shares, HoldCo ADSs or HoldCo Common Shares that is, for U.S. federal income tax purposes:

- a citizen or individual resident of the United States;

- a corporation, or other entity taxable as a corporation, created or organized in or under the laws of the United States, any state therein or the District of Columbia; or

- an estate or trust the income of which is subject to U.S. federal income taxation regardless of its source.

In general, a U.S. Holder who owns American depositary shares will be treated as the owner of the underlying common shares represented by those American depositary shares for U.S. federal income tax purposes. Accordingly,

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no gain or loss will be recognized if a U.S. Holder exchanges ADSs for the underlying Common Shares represented by the relevant American depositary shares.

The U.S. Treasury has expressed concerns that parties to whom American depositary shares are released before the underlying shares are delivered to the depositary (“pre-release”), or intermediaries in the chain of ownership between holders of American depositary shares and the issuer of the security underlying the American depositary shares, may be taking actions that are inconsistent with the claiming of foreign tax credits by holders of American depositary shares. These actions would also be inconsistent with the claiming of the reduced rate of tax, described below, applicable to dividends received by certain non-corporate holders. Accordingly, the creditability of ROC taxes, and the availability of the reduced tax rate for dividends received by certain non-corporate U.S. Holders, each described below, could be affected by actions taken by such parties or intermediaries.

U.S. Holders should consult their tax advisers concerning the U.S. federal, state, local, and foreign tax consequences of the Share Exchange and of owning and disposing of ADSs or Common Shares in their particular circumstances.

Exchange of ADSs or common shares pursuant to the Joint Share Exchange Agreement

General

Except as otherwise described below under “— Passive Foreign Investment Company Rules,” a U.S. Holder will not recognize any gain or loss for U.S. federal income tax purposes on the exchange of ASE ADSs or ASE Common Shares for HoldCo ADSs or HoldCo Common Shares, respectively, pursuant to the Joint Share Exchange Agreement, except to the extent of cash received in lieu of an entitlement to receive a fractional HoldCo ADS or a fractional HoldCo Common Share (a “fractional entitlement”) or cash received by a dissenting U.S. Holder, as described below. A U.S. Holder’s aggregate tax basis in its HoldCo ADSs or HoldCo Common Shares received pursuant to the Share Exchange will equal the aggregate tax basis that the U.S. Holder had in the ASE ADSs or ASE Common Shares immediately prior to the Share Exchange, less any tax basis that is allocable to a fractional entitlement. A U.S. Holder’s holding period for the HoldCo ADSs or HoldCo Common Shares received in the Share Exchange will include the holding period for the ASE ADSs or ASE Common Shares exchanged.

A U.S. Holder who receives cash in lieu of a fractional entitlement will recognize capital gain or loss in an amount equal to the difference between the amount of cash received and the tax basis allocable to such fractional entitlement. Such capital gain or loss will be long-term capital gain or loss if, as of the date of the Share Exchange, the U.S. Holder’s holding period for the relevant fractional entitlement exceeds one year.



Passive Foreign Investment Company Rules

As indicated in ASE's filings on Form 20-F, ASE believes that it has not been a PFIC for U.S. federal income tax purposes for any taxable year since the ASE ADSs were listed for trading on the NYSE in 2000, and ASE does not expect to be a PFIC for its current taxable year. However, ASE has not considered its PFIC status for any prior taxable year and ASE cannot provide assurance that it has not been a PFIC for any taxable year. Further, as discussed under "Tax Consequences of Owning HoldCo ADSs and HoldCo Common Shares—Passive Foreign Investment Company Rules" below, HoldCo does not expect to be a PFIC for the current taxable year or in the foreseeable future. Under proposed Treasury regulations that are not yet effective but are proposed to be effective from April 11, 1992, if (i) ASE were a PFIC for any taxable year during which a U.S. Holder owned ASE ADSs or ASE Common Shares and (ii) HoldCo is not a PFIC for the taxable year that includes the day after the Share Exchange, then, notwithstanding the general U.S. federal income tax treatment of the Share Exchange described above, the U.S. Holder would be required to recognize any gain realized on the exchange of ASE ADSs or ASE Common Shares for HoldCo ADSs or HoldCo Common Shares. Such gain would be allocated ratably over the U.S. Holder's holding period for the ASE ADSs or HoldCo Common Shares, as the case may be. The amounts allocated to the taxable year of the Share Exchange and to any year before ASE became a PFIC would be taxed as ordinary income. The amount allocated to each other taxable year would be subject to tax at the highest rate in effect for individuals or corporations, as appropriate, for that taxable year, and an interest charge would be imposed on the tax on such amounts. U.S. Holders should consult their tax advisers regarding whether ASE may have been a PFIC in any year during which the U.S. Holder has held ASE ADSs or Common Shares and the U.S. federal income tax consequences of the Share Exchange to the U.S. Holder.

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### Dissenting U.S. Holders

Provided that ASE was not a PFIC for any taxable year during which a U.S. Holder who exercises its dissenter's rights (a "dissenting U.S. Holder") owned ASE ADSs or ASE Common Shares, the dissenting U.S. Holder will generally recognize capital gain or loss in an amount equal to the difference between the amount of cash received by such U.S. Holder following the exercise of the dissenter's rights and its tax basis in the ASE Common Shares disposed of. Such capital gain or loss will be long-term capital gain or loss if, as of the date of the disposition, the dissenting U.S. Holder's holding period for the ASE Common Shares exceeds one year. Any gain or loss generally will be U.S.-source gain or loss for foreign tax credit purposes.

### Tax Consequences of Owning HoldCo ADSs and HoldCo Common Shares

Except as discussed below under "-Passive Foreign Investment Company Rules," this discussion assumes that HoldCo will not be a PFIC for any taxable year.

### Taxation of Distributions

Distributions other than certain *pro rata* distributions of HoldCo Common Shares to all shareholders (including holders of HoldCo ADSs), will be treated as dividends to the extent paid out of HoldCo's current or accumulated earnings and profits, as determined under U.S. federal income tax principles. Because HoldCo doesn't expect to maintain calculations of earnings and profits under U.S. federal income tax principles, it is expected that distributions generally will be reported to U.S. Holders as dividends.

Dividends will be treated as foreign-source income for foreign tax credit purposes and will not be eligible for the dividends-received deduction generally available to U.S. corporations under the Code. Subject to applicable limitations and the discussion above regarding concerns expressed by the U.S. Treasury, dividends paid to certain non-corporate U.S. Holders of ADSs may be eligible for taxation as "qualified dividend income" and therefore may be taxable at the rates applicable to long-term capital gains. Non-corporate U.S. Holders should consult their tax advisers regarding the availability of these favorable rates in their particular circumstances.

Dividends generally will be included in a U.S. Holder's income on the date of the U.S. Holder's or, in the case of ADSs, the depositary's receipt of the dividend. The amount of any dividend paid in new Taiwan dollars will be the U.S. dollar amount of the dividend calculated by reference to the spot rate in effect on the date of receipt, regardless of whether the payment is in fact converted into U.S. dollars on such date. If the dividend is converted into U.S. dollars

on the date of receipt, a U.S. Holder should not be required to recognize foreign currency gain or loss in respect of the dividend. A U.S. Holder may have foreign currency gain or loss if the dividend is converted into U.S. dollars after the date of receipt, and any such gain or loss will generally be U.S.-source ordinary income or loss.

The amount of dividend income will include any amounts withheld by HoldCo in respect of ROC taxes reduced by any credit against withholding on account of the 10% retained earnings tax imposed on HoldCo. Subject to applicable limitations, which vary depending upon the U.S. Holder's circumstances, and subject to the discussion above regarding concerns expressed by the U.S. Treasury, ROC taxes withheld from dividends, reduced by any credit against the withholding tax which is paid by HoldCo on account of the 10% retained earnings tax, generally will be creditable against the U.S. Holder's U.S. federal income tax liability. The rules governing foreign tax credits are complex, and U.S. Holders should consult their tax advisers regarding the creditability of foreign taxes in their particular circumstances. In lieu of claiming a credit, a U.S. Holder may elect to deduct such ROC taxes in computing its taxable income, subject to applicable limitations. An election to deduct foreign taxes instead of claiming foreign tax credits must apply to all foreign taxes paid or accrued in the taxable year.

#### Sale or Other Taxable Disposition of HoldCo ADSs or HoldCo Common Shares

A U.S. Holder will generally recognize taxable gain or loss on a sale or other disposition of HoldCo ADSs or HoldCo Common Shares equal to the difference between the amount realized on the sale or other taxable disposition and the U.S. Holder's tax basis in the HoldCo ADSs or HoldCo Common Shares. This gain or loss generally will be capital gain or loss, and will be long-term capital gain or loss if at the time of sale or disposition the U.S. Holder has owned the HoldCo ADSs or HoldCo Common Shares for more than one year. Any gain or loss generally will be U.S.-source gain or loss for foreign tax credit purposes. The deductibility of capital losses is subject to limitations.

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### Passive Foreign Investment Company Rules

In general, a non-U.S. corporation is a PFIC for any taxable year in which (i) 75% or more of its gross income consists of passive income or (ii) 50% or more of the average quarterly value of its assets consists of assets that produce, or are held for the production of, passive income. For purposes of the above calculations, a non-U.S. corporation that owns directly or indirectly at least 25% by value of the shares of another corporation is treated as if it held its proportionate share of the assets of the other corporation and received directly its proportionate share of the income of the other corporation. Passive income generally includes dividends, interest, royalties and rents. HoldCo does not expect to be a PFIC for its current taxable year or in the foreseeable future. However, because the determination of whether a company is a PFIC is an annual test that is based on the composition of a company's income and assets and the value of its assets from time to time, there can be no assurance that HoldCo will not be a PFIC for any taxable year.

If HoldCo were a PFIC for any taxable year during which a U.S. Holder held HoldCo ADSs or HoldCo Common Shares, gain recognized by a U.S. Holder on a sale or other disposition (including certain pledges) of the HoldCo ADSs or HoldCo Common Shares would be allocated ratably over the U.S. Holder's holding period for the HoldCo ADSs or HoldCo Common Shares. The amounts allocated to the taxable year of the sale or other disposition and to any year before HoldCo became a PFIC would be taxed as ordinary income. The amount allocated to each other taxable year would be subject to tax at the highest rate in effect for individuals or corporations, as appropriate, for that taxable year, and an interest charge would be imposed on the tax on such amounts. In addition, any distribution received by a U.S. Holder on its HoldCo ADSs or HoldCo Common Shares, to the extent that it exceeds 125% of the average of the annual distributions received by the U.S. Holder during the preceding three years or the U.S. Holder's holding period, whichever is shorter, would be subject to taxation in the same manner. Furthermore, if HoldCo were a PFIC for the taxable year in which it paid a dividend or the prior taxable year, the preferential dividend rates discussed above with respect to dividends paid to certain non-corporate U.S. Holders would not apply. Certain elections may be available that would result in alternative treatments (such as mark-to-market treatment) of the HoldCo ADSs or HoldCo Common Shares.

U.S. Holders should consult their tax advisers regarding the U.S. federal income tax consequences of owning and disposing of HoldCo ADSs or HoldCo Common Shares if HoldCo were a PFIC for any taxable year.

### Information Reporting and Backup Withholding

Payments of dividends and sales proceeds that are made within the United States or through certain U.S.-related financial intermediaries generally will be subject to information reporting and backup withholding unless (i) the U.S. Holder is a corporation or other exempt recipient and, if required, demonstrates its status or (ii) in the case of backup withholding, the U.S. Holder provides a correct taxpayer identification number and certifies that it is not subject to backup withholding. Any amounts withheld under the backup withholding rules will be allowed as a refund or credit against the U.S. Holder's U.S. federal income tax liability, provided that the required information is timely furnished to

the U.S. Internal Revenue Service.

#### Foreign Financial Asset Reporting

Certain U.S. Holders who are individuals (or entities formed or availed of to hold certain specified foreign financial assets) may be required to report information relating to their ownership of the HoldCo Common Shares or HoldCo ADSs, unless such Common Shares or ADSs are held in accounts at financial institutions (in which case the accounts may be reportable if maintained by non-U.S. financial institutions). U.S. Holders should consult their tax advisers regarding their reporting obligations with respect to the HoldCo Common Shares or HoldCo ADSs.

#### Accounting Treatment of the Share Exchange

Under IFRS, the Cash Consideration paid by HoldCo pursuant to the Share Exchange will be accounted for by applying the acquisition method of accounting with HoldCo being considered the acquirer of SPIL for accounting purposes. Upon the completion of the Share Exchange, HoldCo would obtain control of SPIL and any equity interest previously held in SPIL accounted for as equity method investments is treated as if it were disposed of and reacquired at fair value on the acquisition date. Accordingly, it is remeasured to its acquisition-date fair value, and any resulting gain or loss compared to its carrying amount is recognized in profit or loss. HoldCo will measure the identifiable assets acquired and the liabilities assumed at their acquisition date fair values, and recognize goodwill as

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of the acquisition date measured as the excess of the Cash Consideration and the fair value of the ASE's previously held equity interest in SPIL over the net of the acquisition date fair value of the identifiable assets acquired and the liabilities assumed. Goodwill is not amortized but is tested for impairment at least annually.

Under IFRS, the exchange of ASE Common Shares for HoldCo Common Shares and the exchange of ASE ADSs for HoldCo ADSs based on the Exchange Ratio will be accounted for as a legal reorganization of entities under common control. ASE and HoldCo are ultimately controlled by the same shareholders both before and after the Share Exchange and that control is not transitory; therefore, the Share Exchange under common control will not be accounted for by applying the acquisition method as above. Accordingly, ASE will recognize no gain or loss in connection with the exchange of ASE Common Shares for HoldCo shares upon the Share Exchange under common control, and all assets and liabilities of ASE will be recorded on the books of HoldCo at the carrying amounts.

## Regulatory Approvals Required to Complete the Share Exchange

ASE and SPIL have each agreed to use their reasonable efforts to obtain all necessary governmental approvals required to complete the Share Exchange. The following is a summary of the regulatory approvals required for the completion of the Share Exchange. As of the date of this proxy statement/prospectus, the TFTC has issued a no objection letter in respect of the Share Exchange. However, there can be no assurance as to if and when regulatory approvals will be obtained in the PRC, or if and when the FTC will complete its investigation without seeking an injunction prohibiting the Share Exchange or as to the conditions or limitations that such regulatory authorities may seek to impose.

## Taiwan Fair Trade Commission Approval

Both ASE and SPIL operate in the ROC. Under the ROC Fair Trade Act, transactions involving parties with sales above certain revenue levels cannot be completed until they are reviewed and approved by the TFTC. ASE and SPIL submitted the required materials to the TFTC on July 29, 2016. The TFTC formally accepted the parties' notification materials on September 19, 2016, and issued a no-objection letter in respect of the Share Exchange on November 16, 2016.

## United States Antitrust Review

On October 26, 2016, the FTC issued a subpoena and civil investigative demand to ASE and SPIL with respect to the transaction contemplated under the Joint Share Exchange Agreement. On January 17, 2017, ASE and SPIL each

certified that it complied with the FTC's requests for information. On May 15, 2017, ASE received a letter from the FTC confirming that the non-public investigation of the proposed combination had been closed.

The Ministry of Commerce of the People's Republic of China

Under the Chinese Anti-Monopoly Law of 2008 and relevant regulations ("AML"), if the concentration arising from a transaction that reaches the threshold level as set by the State Council, it cannot be completed until it is approved by MOFCOM. ASE and SPIL have sufficient revenues in both China and worldwide to exceed the statutory thresholds and completion of the Share Exchange is therefore conditioned upon MOFCOM's approval. ASE and SPIL submitted the required materials to MOFCOM on August 25, 2016. MOFCOM formally accepted the parties' notification materials on December 14, 2016, starting Phase I of the review process. MOFCOM issued notice extending its review to Phase II review on January 12, 2017. MOFCOM issued a notice extending its review to Phase III review on April 12, 2017. On June 5, 2017, ASE withdrew the original submission filed with MOFCOM and re-filed the same application with MOFCOM on June 5, 2017. Phase II of MOFCOM's review began on July 5, 2017. Phase III of MOFCOM's review began on September 30, 2017. On November 24, 2017, MOFCOM approved the proposed combination on the following four conditions, among others:

HoldCo should maintain the legal personality of ASE and SPIL as independent competitors for a period of 24 months (the "Restriction Period"). During the Restriction Period, ASE and SPIL will each operate independently and compete in the market according to the pre-merger business management model and market practices, including, but not limited to: independent management, independent financial affairs, independent corporate personnel, independent pricing, independent sales, independent production capacities, and independent procurement.

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During the Restriction Period, HoldCo will only exercise limited shareholder rights. Such limitation includes: other than the right to obtain dividend related and financial information from ASE and SPIL, HoldCo should temporarily cease to exercise its other shareholder's rights; notwithstanding the above, HoldCo's Resource Integration & Steering Committee may coordinate the plan, arrangement and the management of research-related projects and consolidate research capacity for ASE and SPIL; HoldCo's Resource Integration & Steering Committee may also coordinate business matters that do not involve semiconductor packaging and testing businesses. HoldCo, on the one hand, and ASE or SPIL, on the other hand, may loan company funds and provide financing to each other in accordance with such party's needs or request.

During the Restriction Period, ASE and SPIL each covenants to provide services to customers on a non-discriminatory basis, and set service price and related transactional terms according to AML, reasonable commercial consideration and normal business operation.

During the Restriction Period, ASE and SPIL each covenants to not limit the customers' choice of alternative suppliers of semiconductor packaging and testing businesses, and will cooperate with customers on requests related to switching such suppliers, under the circumstance that the customers obey the laws and regulations, and do not involve tort and breaking contracts.

All the conditions above are subject to further revisions in the official notice that may be published by MOFCOM from time to time.

## Other Jurisdictions

ASE and SPIL derive revenues in other jurisdictions where merger or acquisition control filings or clearances are or may be required. ASE and SPIL have sufficient revenues in South Korea and Germany to meet the statutory thresholds, and completion of the Share Exchange is therefore conditioned upon approval of the Korea Fair Trade Commission ("KFTC") and the German Federal Cartel Office ("FCO"). The KFTC cleared the Initial ASE Tender Offers on November 18, 2015. Under the laws of South Korea, the clearance on the Initial ASE Tender Offers extends to the Share Exchange and no additional filing is required. The FCO cleared the Initial ASE Tender Offers on February 1, 2016 and subsequently confirmed that its February 1, 2016 clearance extends to the Share Exchange on July 26, 2016.

## Share Exchange Listing

It is expected that HoldCo Common Shares will be listed on the TWSE and HoldCo ADSs will be listed on the NYSE at the Effective Time. As a result of the Share Exchange, ASE Common Shares currently listed on the TWSE and ASE ADSs currently listed on the NYSE will cease to be listed on the TWSE and the NYSE, respectively; SPIL Common Shares currently listed on the TWSE and SPIL ADSs currently listed on NASDAQ will cease to be listed on



the TWSE and NASDAQ, respectively.

The following is a tentative timetable of the various trading-related events in connection with the completion of the Share Exchange:

Final trading day for ASE Common Shares and SPIL Common Shares on the TWSE	April 17, 2018 (Taiwan time)
Final trading day for ASE ADSs on the NYSE and SPIL ADSs on NASDAQ	April 17, 2018 (New York time)
Effective date of the Share Exchange	April 30, 2018 (Taiwan time)
First trading day for HoldCo Common Shares on the TWSE	April 30, 2018 (Taiwan time)
First trading day for HoldCo ADSs on the NYSE	May 1, 2018 (New York time)

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In advance of completion of the Share Exchange, ASE expects to publicly announce the definitive timetable for these trading-related events.

### Rights of Dissenting Shareholders

Under the ROC Company Law and ROC Mergers and Acquisitions Act, when ASE's or SPIL's board proposes the Share Exchange to ASE EGM or the extraordinary shareholders' meeting of SPIL ("SPIL EGM") for approval, ASE's or SPIL's dissenting shareholder ("Dissenting Shareholder") will be entitled to an appraisal right, and to obtain payment of the fair value of all the Dissenting Shareholder's shares ("Dissenting Shares"). Only ASE shareholders who hold ASE Common Shares of record on the ASE EGM Record Date are entitled to vote at the ASE EGM, and to exercise the appraisal rights conferred on dissenting shareholders by the laws of the ROC. To be entitled to the appraisal right, ASE ADS holders must have cancelled their ASE ADSs and become holders of ASE Common Shares by close of business day in Taiwan on January 12, 2018, the last business day before January 14, 2018, the first day of the book close period of ASE Common Shares for the purpose of ASE EGM in which the Share Exchange will be voted on. Such book close period from January 14, 2018 to February 12, 2018 was announced in Form 6-K filed by ASE with the SEC on December 20, 2017.

The Dissenting Shareholder should either (a) deliver a written notice to ASE (or SPIL) stating his/her dissent from the proposal of Share Exchange on or before the ASE EGM (or SPIL EGM), or (b) at the ASE EGM (or SPIL EGM) orally express his/her dissent from the proposal of Share Exchange in person and ensure that such statement is duly recorded in the meeting minutes.

- Dissenting Shareholder must waive its voting right against the Share Exchange in ASE EGM (or SPIL EGM).

Once ASE EGM and SPIL EGM pass the Share Exchange, the Dissenting Shareholder needs to deliver its Dissenting Shares to a licensed share registrar appointed by ASE (or SPIL, as applicable) through the book-entry system. Once the Dissenting Shares are duly delivered, the share registrar will issue a certificate evidencing the receipt of Dissenting Shares to the Dissenting Shareholder.

Dissenting Shareholder needs to deliver to ASE (or SPIL), within 20 calendar days following the ASE EGM (or SPIL EGM), (a) a written notice stating the proposed price for sale of the Dissenting Shares to ASE (or SPIL) (the "Dissenting Shareholder's Price") and (b) the certificate of delivery of Dissenting Shares issued by the appointed share registrar.

Once the Dissenting Shareholder exercises the appraisal right in accordance with the procedure described above, ASE or SPIL should determine whether to (a) accept the Dissenting Shareholder's Price or (b) negotiate the price with the Dissenting Shareholder within 60 calendar days following the ASE EGM or SPIL EGM ("Negotiation Period").

If ASE (or SPIL) and Dissenting Shareholder cannot reach an agreement on the purchase price within the Negotiation Period, ASE (or SPIL) should file a petition with a court of competent jurisdiction in Taiwan for a determination of the fair value of the Dissenting Shares within 30 calendar days after the end of the Negotiation Period (the “Petition Period”). If ASE (or SPIL) fails to pay the Company’s Price (as defined below) within the Negotiation Period or to file the petition with the court within the Petition Period, ASE/SPIL will be deemed to accept the Dissenting Shareholder’s Price and obliged to settle the purchase of Dissenting Shares in accordance with the Dissenting Shareholder’s Price.

According to the majority of the precedents, the court usually considered that the “fair value” should be the closing price of the shares registered on the open market on the date of the shareholders’ meeting which approves the transaction. However, as the court has the full discretion to determine the fair value based on a variety of arguments, the court might hold a view different from the majority of precedents.

If ASE (or SPIL) and Dissenting Shareholder cannot reach an agreement on the purchase price within the 90 calendar days following the ASE EGM (or SPIL EGM), ASE or (SPIL) should determine a fair price to purchase the Dissenting Shares (the “Company’s Price”) and pay the Company Price to the Dissenting Shareholder by end of such 90-calendar-day period.

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ASE or SPIL should, within 30 calendar days after the court decision is concluded, pay to the Dissenting Shareholders (a) the difference between the Company's Price and the fair value as determined by the court, and (b) the interest, calculated by a 5% annual rate, against such difference amount for purchase of the Dissenting Shares.

The relevant portions of Article 12 of the ROC Mergers and Acquisitions Act are as follows, which is included in Annex C to this proxy statement/prospectus:

ROC MERGERS AND ACQUISITIONS ACT – ARTICLE 12

If the following event occurs when a company is undergoing a merger, consolidation, acquisition or division, a shareholder may request the company to repurchase his/her/its shares at the then-fair price of such shares:

In the event that the company is undergoing an acquisition as described in Article 27 of this Act, the shareholder 4. delivers a written objection or an oral objection that has been put into the record and waives his/her/its voting rights before or during the shareholders' meeting;

Any shareholder who has made the request as provided in the preceding paragraph shall submit a written request that specifies the requested repurchase price and deposit the certificates of his/her/its shares within 20 days immediately following the date at which the shareholder resolutions are passed.

The company shall appoint an institution that is permitted by law to provide corporate action services to handle the shares deposited by the dissenting shareholder. The shareholder shall deposit his/her/its shares to such institution and the institution shall issue a certificate that specifies the type and amount of deposited shares to the shareholder; any deposit by book-entry transfer shall be governed by the procedures set forth in the rules and regulations in relation to the centralized securities depository enterprises.

The request of a shareholder as provided in Paragraph 1 shall lose its effect when the company abandons its corporate action as provided in the same paragraph.

If the company and the shareholder reach an agreement with respect to the repurchase price, the company shall pay such repurchase price to the shareholder within 90 days immediately following the date at which the shareholders' resolutions are passed. If no agreement is reached, within 90 days immediately after the date at which the shareholders' resolutions are passed, the company shall pay for the shares of the shareholder with whom it has not reached an

agreement at a price determined by the company as the fair price for such shares; if the company fails to make such payment, the company shall be deemed as having agreed to the repurchase price requested by the shareholder pursuant to Paragraph 2.

If the company fails to reach an agreement with any shareholder with respect to the repurchase price within 60 days immediately following the date at which the shareholders' resolutions are passed, the company shall, within 30 days after the expiry of the 60-day period, file a petition with a court for a ruling to determine the fair price of the shares against all the shareholders with whom it has not reached an agreement as the opposing parties. If the company fails to list any shareholder with whom it has not reached an agreement as an opposing party, or the petition is withdrawn by the company or dismissed by the court, the company shall be deemed as having agreed to the repurchase price requested by the shareholder pursuant to Paragraph 2. However, if the opposing party has already presented his/her/its position in the court or the court's ruling has already been delivered to the opposing party, the company shall not withdraw the petition unless agreed to by the opposing party.

When the company files a petition with the court for a ruling to determine the repurchase price, the company shall attach to the petition the audited and attested financial statements of the company and the fair price assessment report by the certified public accountants, and written copies and photocopies thereof according to the number of opposing parties for the court to distribute to each opposing party.

Before making a ruling with respect to the repurchase price, the court shall allow the company and the opposing parties to have the chance to present their positions. If there are two or more opposing parties, the provisions set out in Articles 41 to 44, as well as Paragraph 2 of Article 401 of the ROC Civil Procedure Code shall apply *mutatis mutandis*.

If any party appeals against the ruling made pursuant to the preceding paragraph, the court shall allow the parties at dispute to have the chance to present their positions before making a decision on the appeal.

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When the ruling with respect to the repurchase price becomes final and binding, the company shall, within 30 days immediately after the ruling becomes final and binding, pay such final repurchase price to the dissenting shareholders, deducting any previous payment and interest accrued since the next day of the expiry of the 90-day period immediately following the date at which the shareholders' resolutions are passed.

The provisions set forth in Article 171 and Paragraphs 1, 2 and 4 of Article 182 of the ROC Non-Contentious Matters Act shall apply *mutatis mutandis*.

The company shall bear the expenses of the petition and the appraiser's compensation.

Holders of ASE ADSs and SPIL ADSs will not have any appraisal rights in respect of the Share Exchange under the terms of the ASE Deposit Agreement and the SPIL Deposit Agreement, as applicable. The ASE Depositary and the SPIL Depositary are not obligated to, and will not, exercise dissenters' rights on behalf of holders of ASE ADSs or SPIL ADSs, as applicable, even if instructed to do so by holders of ASE ADSs or SPIL ADSs. To be entitled to the appraisal right, ASE ADS holders must have cancelled their ASE ADSs and become holders of ASE Common Shares by close of business day in Taiwan on January 12, 2018, the last business day before January 14, 2018, the first day of the book close period of ASE Common Shares for the purpose of ASE EGM in which the Share Exchange will be voted on. Such book close period from January 14, 2018 to February 12, 2018 was announced in Form 6-K filed by ASE with the SEC on December 20, 2017. To be entitled to the appraisal right, SPIL ADS holders must have cancelled their SPIL ADSs and have become holders of SPIL Common Shares by the close of business day in Taiwan on January 12, 2018, the last business day before January 14, 2018, the first day of the book close period of the SPIL Common Shares for the purpose of the SPIL EGM in which the Share Exchange will be voted on. Such book close period from January 14, 2018 to February 12, 2018 was announced in Form 6-K filed by SPIL with the SEC on December 20, 2017.

## Litigation Related to the Share Exchange

ASE is not aware of any lawsuit that challenges the Share Exchange or any other transaction contemplated under the Joint Share Exchange Agreement.

## Expenses Relating to the Share Exchange

In connection with the Share Exchange, ASE expects to incur the costs, such as independent expert fees of US\$ 4,000, legal fees of US\$11.0 million and auditor fees of US\$3.9 million, in the aggregate amount of approximately US\$14.9

million. In connection with the Share Exchange, SPIL expects to incur the following costs and expenses as of the date of this proxy statement/prospectus.

Description	Amount
Financing fees and expenses and other professional fees	US\$ 11,496
Legal fees and expenses	US\$ 8,000
Miscellaneous (including filing fees, printing fees, proxy solicitation fees and mailing costs)	US\$ 1,128
Total	US\$ 20,624

All costs and expenses incurred in connection with the Share Exchange, the Joint Share Exchange Agreement and the completion of the transactions contemplated by the Joint Share Exchange Agreement will be paid by the party incurring such costs and expenses, except as otherwise explicitly provided for in the Joint Share Exchange Agreement, whether or not the Share Exchange or any other transactions contemplated by the Joint Share Exchange Agreement are completed.

#### Comparison of Rights of Shareholders of ASE and HoldCo

ASE is, and HoldCo will be, a company limited by shares organized under the laws of the ROC. ASE Common Shares are, and HoldCo Common Shares will be, listed on the TWSE. ASE ADSs are, and HoldCo ADSs representing HoldCo Common Shares will be, listed on the NYSE. In addition, the description of the attributes of common shares in the share capital provisions of the Articles of Incorporation of ASE and HoldCo are substantially similar. As a result, there are no material differences between the rights of holders of ASE Common Shares and of HoldCo Common Shares from a legal perspective.

See the sections entitled “Description of HoldCo American Depositary Shares” and “Description of HoldCo Common Shares” for more information.

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Cautionary Statements Regarding Forward-Looking Statements

This proxy statement/prospectus and the documents included as annexes hereto contain forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 that are not limited to historical facts but reflect ASE's and SPIL's current beliefs, expectations or intentions regarding future events. The words "anticipate," "believe," "ensure," "expect," "if," "intend," "estimate," "probable," "project," "forecasts," "plan," "aim," "will," "could," "should," "would," "potential," "may," "might," "anticipate," "likely," "plan," "positioned," "strategy," "expressions, and the negative thereof, are intended to identify such forward-looking statements. These forward-looking statements, which are subject to numerous factors, risks and uncertainties about ASE and SPIL, may include projections of their respective future business, strategies, financial condition, results of operations and market data. These statements are only predictions based on current expectations and projections about future events. There are important factors, risks and uncertainties that could cause actual outcomes and results to be materially different from those projected, including those set forth in the section entitled "Risk Factors," the risk factors set forth in ASE 2016 20-F and the SPIL 2016 20-F and other documents on file with the SEC and the factors given below:

the failure to obtain approval from ASE shareholders or the approval from SPIL shareholders in connection with the Share Exchange;

· the failure to complete or delay in completing the Share Exchange for other reasons;

· the timing to complete the Share Exchange;

· the risk that a condition to the completion of the Share Exchange may not be satisfied;

the risk that a regulatory approval that may be required for the Share Exchange is delayed, is not obtained, or is obtained subject to conditions that are not anticipated;

ASE's and SPIL's ability to achieve the cost and other synergies and value creation contemplated by the Share Exchange; and

· the diversion of management time on Share Exchange-related issues.

All subsequent written and oral forward-looking statements concerning ASE, SPIL, the transactions contemplated by the Joint Share Exchange Agreement or other matters attributable to ASE or SPIL or any person acting on their behalf are expressly qualified in their entirety by the cautionary statements above. ASE's and SPIL's forward-looking statements are based on assumptions that may not prove to be accurate. Neither ASE nor SPIL can guarantee future results, activity levels, performance or achievements. Moreover, neither ASE nor SPIL assumes responsibility for the



accuracy and completeness of any of these forward-looking statements. ASE and SPIL assume no obligation to update or revise any forward-looking statements as a result of new information, future events or otherwise. Readers are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date of this proxy statement/prospectus.

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Risk Factors

*In addition to the other information contained in or included as annexes to this prospectus, ASE shareholders should carefully consider the risks described below and in the ASE 2016 20-F and the SPIL 2016 20-F, which are included as Annex D-1 and Annex E-1 to this proxy statement/prospectus, before making a decision on the Share Exchange.*

**Risks Relating to the Share Exchange**

The Share Exchange is subject to conditions, including certain conditions that may not be satisfied, or completed on a timely basis, if at all. Failure to complete the Share Exchange could have material and adverse effects on ASE.

The completion of the Share Exchange is subject to a number of conditions, including, among other things, the approval by ASE shareholders of the proposal on the Joint Share Exchange Agreement and the Share Exchange and the approval by SPIL shareholders of the proposal on the Joint Share Exchange Agreement and the Share Exchange and obtaining antitrust and other regulatory approvals or decisions not to challenge the Share Exchange which may make the completion and timing of the completion of the Share Exchange uncertain. See the section entitled “The Joint Share Exchange Agreement — Conditions to Consummation of the Share Exchange” for a more detailed discussion. Also, the Joint Share Exchange Agreement will be automatically terminated if the Share Exchange has not been consummated by October 31, 2018.

If the Share Exchange is not completed on a timely basis, or at all, ASE’s respective ongoing businesses may be adversely affected and, without realizing any of the benefits of having completed the Share Exchange, ASE will be subject to a number of risks, including the following:

ASE is required to pay their respective costs relating to the Share Exchange, such as legal, accounting, financial advisory and printing fees, even if the Share Exchange is not completed;

time and resources committed by ASE’s management to matters relating to the Share Exchange could otherwise have been devoted to pursuing other beneficial opportunities;

the market prices of ASE Common Shares could decline to the extent that the current market prices of ASE Common Shares reflect a market assumption that the Share Exchange will be completed;

ASE may have to dispose of its 33.29% interest in SPIL at a loss if the Share Exchange is not consummated, which may significantly affect ASE's financial position; and

ASE could be subject to litigation related to any failure to complete the Share Exchange or related to any enforcement proceedings commenced against ASE to perform their respective obligations under the Joint Share Exchange Agreement.

ASE is subject to business uncertainties and contractual restrictions while the proposed Share Exchange is pending, which could adversely affect each party's business and operations.

While the Share Exchange is pending completion, it is possible that certain customers, suppliers and other persons with whom ASE has a business relationship may delay or defer certain business decisions or might decide to seek to terminate, change or renegotiate their business relationships with ASE, as the case may be, as a result of the pending the Share Exchange, which could negatively affect ASE's revenues, earnings and cash flows, as well as the market price of ASE Common Shares, regardless of whether the Share Exchange is completed.

Under the terms of the Joint Share Exchange Agreement, ASE is subject to certain restrictions on the conduct of its business prior to completing the Share Exchange, which may adversely affect its ability to execute certain of its business strategies, including the ability in certain cases to acquire assets.

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The Share Exchange is subject to the receipt of approvals, consents or clearances from domestic and foreign regulatory authorities that may impose conditions that could have an adverse effect on ASE or HoldCo or, if not obtained, could prevent the completion of the Share Exchange.

Before the Share Exchange can be completed, any approvals, consents or clearances, including antitrust approval and clearances, required in connection with the Share Exchange must have been obtained. In deciding whether to grant the required regulatory approval, consent or clearance, the relevant governmental entities will consider the impact of the Share Exchange on competition within their relevant jurisdiction. The terms and conditions of the approvals, consents and clearances that are granted may impose requirements, limitations or costs or place restrictions on the conduct of HoldCo's business.

Under the Joint Share Exchange Agreement, ASE and SPIL have agreed to use their reasonable efforts to obtain such approvals, consents and clearances and therefore may be required to comply with conditions or limitations imposed by governmental authorities. However, no assurance can be given that the applicable regulatory agencies will approve the transaction or that any such transaction can be completed prior to or upon the completion of the Share Exchange, or at all.

There can be no assurance that regulators will not impose unanticipated conditions, terms, obligations or restrictions and that such conditions, terms, obligations or restrictions will not have the effect of delaying the completion of the Share Exchange or imposing additional material costs on or materially limiting the revenues of HoldCo following the completion of the Share Exchange.

There can be no assurance that ASE will be able to secure the funds necessary to pay the cash portion of the Cash Consideration on acceptable terms, in a timely manner, or at all.

ASE intends to fund the Cash Consideration with a combination of cash on hand and debt financing. To this end, Citibank Taiwan Limited and DBS Bank Ltd., Taipei Branch have each issued a highly confident letter stating that it is highly confident that it could arrange debt facilities for the Share Exchange up to US\$3.8 billion and NT\$53 billion (US\$1.74 billion), respectively. However, neither ASE nor any of its subsidiaries has entered into definitive agreements for the debt financing (or any equity issuance or other financing arrangements in lieu thereof). There can be no assurance that ASE will be able to secure the debt financing pursuant to the highly confident letters.

In the event that the debt financing contemplated by the highly confident letters is not available, other financing may not be available on acceptable terms, in a timely manner, or at all. If ASE is unable to secure financing for the Share Exchange, the Share Exchange may not be completed. In the event of a termination of the Joint Share Exchange Agreement due to ASE's failure to obtain the necessary financing to complete the Shares Exchange, ASE and HoldCo

may be jointly and severally liable to pay to SPIL, in addition to the actual damages incurred, liquidated damages in the amount of NT\$8.5 billion (US\$0.3 billion).

The unaudited pro forma condensed combined financial data in this proxy statement/prospectus is presented for illustrative purposes only and may differ materially from the operating results and financial condition of HoldCo following completion of the pro forma events.

The unaudited pro forma condensed combined financial data in this proxy statement/prospectus is presented for illustrative purposes only and is not necessarily indicative of what the combined company's actual financial position or results of operations would have been had the pro forma events been completed on the dates indicated. In addition, the unaudited pro forma condensed combined financial information does not purport to project the future financial position or operating results of HoldCo. The preparation of the pro forma condensed combined financial information is based upon available information and certain assumptions and estimates that ASE and SPIL currently believe are reasonable. The unaudited pro forma condensed combined financial data reflects adjustments, which are based upon preliminary estimates, to allocate the purchase price to SPIL's net assets. The purchase price allocation reflected in this proxy statement/prospectus is preliminary, and the final allocation of the purchase price will be based upon the actual purchase price and the fair value of the assets and liabilities of SPIL as of the Effective Time. In addition, subsequent to the completion of the Share Exchange, there may be further refinements of the purchase price allocation as additional information becomes available. Accordingly, the final purchase accounting adjustments may differ materially from the pro forma adjustments reflected in this proxy statement/prospectus. See the section entitled "Selected Unaudited Pro Forma Condensed Combined Financial Data."

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HoldCo may fail to successfully integrate the resources from ASE and SPIL and realize the anticipated benefits from the Share Exchange.

The success of the Share Exchange and the holding company structure that will be created pursuant to such Share Exchange will depend, in large part, on the ability of HoldCo to realize the anticipated synergies, operational efficiencies and growth opportunities from the Share Exchange. The realization of the anticipated benefits of the holding company structure may be blocked, delayed or reduced as a result of many factors, some of which may be outside our control. These factors include:

the complexities associated with integrating resources with ASE and SPIL continuing to operate independently and failure to leverage the holding company structure to realize operational efficiencies;

unforeseen contingent risks, including lack of required capital resources or increased tax liabilities, relating to the holding company structure that may become apparent in the future;

the considerations discussed in the next risk factor;

unexpected business disruptions; and

failure to attract, develop and retain personnel with necessary expertise.

In addition, there may be valuation discounts as a result of the adoption of a holding company structure which may have an adverse effect on the trading value of HoldCo Common Shares or ADSs. Any of the foregoing could adversely affect ASE's and SPIL's ability to maintain relationships with customers, suppliers, employees and other constituencies or ASE's and SPIL's ability to achieve the anticipated benefits of the Share Exchange or could reduce each of ASE's and SPIL's earnings or otherwise adversely affect the business and financial results of HoldCo.

The independent operations of SPIL after the completion of the Share Exchange may make it difficult to integrate the operations of both companies.

Although SPIL will become a wholly owned subsidiary of HoldCo after the completion of the Share Exchange, under the terms of the Joint Share Exchange Agreement, ASE and SPIL have agreed that SPIL will maintain a high degree of independence with respect to its operations and corporate governance. ASE and SPIL have entered into a number of covenants to ensure SPIL's independence of operation.

For a more detailed description of these and other covenants, please refer to “The Joint Share Exchange Agreement – Post-Closing Operation and Corporate Governance – Independence” and “Annex A: Joint Share Exchange Agreement dated June 30, 2016 (English translation).”

Notwithstanding the agreement to maintain SPIL’s independent operations, under the Joint Share Exchange Agreement, HoldCo is required to assist SPIL’s operations. For example, HoldCo will, to the extent that it is capable, provide guaranties, funding or other support sufficient to enable SPIL to obtain financing from third parties (including, but not limited to, guarantee documentation acceptable to financing parties), in order to meet SPIL’s funding needs, including, but not limited to, capital expenditure and working capital.

There are uncertainties as to the impact of the independence of SPIL in terms of its operation and corporate governance would have on integration plans and future growth opportunities of ASE and SPIL under Holdco.

The future results of HoldCo may suffer if HoldCo does not effectively manage its expanded operations following the completion of the Share Exchange.

Following the completion of the Share Exchange, the size of the business of HoldCo will increase significantly beyond the current size of either ASE’s or SPIL’s business. HoldCo’s future success depends, in part, upon its ability to manage this expanded business, which will pose substantial challenges for management, including challenges related to the management and monitoring of new operations and associated increased costs and complexity. There can be no assurances that HoldCo will be successful or that it will realize the expected operating efficiencies, cost savings and other benefits currently anticipated from the completion of the Share Exchange.

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Since HoldCo will be a holding company, it will depend on limited forms of funding to fund its operations.

As a holding company, HoldCo will have no significant assets other than the shares of its subsidiaries. HoldCo's primary sources of funding and liquidity will be dividends from its subsidiaries, sales of the interests in its subsidiaries and direct borrowings and issuances of equity or debt securities. HoldCo's ability to meet the obligations to its direct creditors and employees and other liquidity needs and regulatory requirements will depend on timely and adequate distributions from its subsidiaries and its ability to sell securities or obtain credit from its lenders.

HoldCo's ability to pay operating and financing expenses and dividends will depend primarily on the receipt of sufficient funds from its principal operating subsidiaries. Statutory provisions regulate HoldCo's operating subsidiaries' ability to pay dividends. If HoldCo's operating subsidiaries are unable to pay dividends to HoldCo in a timely manner and in amounts sufficient to pay for HoldCo's operation and financing expenses or to declare and pay dividends and to meet its other obligations, HoldCo may not be able to pay dividends or it may need to seek other sources of funding.

Furthermore, HoldCo's inability to sell its securities or obtain funds from its lenders on favorable terms, or at all, could also result in HoldCo's inability to meet its liquidity needs and regulatory requirements and may disrupt its operations at the holding company level.

In connection with the Share Exchange, existing ASE shareholders may not trade the ASE Common Shares or ADSs during certain periods.

In connection with the Share Exchange, ASE Common Shares will be suspended from trading on the TWSE, and ASE ADSs will be suspended from trading on the NYSE starting from the eighth (8th) ROC Trading Day before the Effective Time. As a result, holders of ASE Common Shares and ADSs will not be able to trade those shares or ADSs, or HoldCo shares or ADSs they will be entitled to receive when the Share Exchange is completed, during the applicable trading gap. Accordingly, these holders will be subject to the risk of not being able to liquidate their shares during a falling market, whether for ROC equities generally or for ASE Common Shares and ASE ADSs in particular.

There has been no prior market for the HoldCo Common Shares or ADSs.

ASE plans to apply for listing HoldCo Common Shares and HoldCo ADSs and expect that HoldCo Common Shares will begin trading in Taiwan during TWSE trading hours, and HoldCo ADSs will begin trading in the U.S. during NYSE trading hours, on the effective date of the Share Exchange. However, given that HoldCo will be formed as a new entity, there will be no public market for HoldCo Common Shares or HoldCo ADSs prior to their issuance in



connection with the Share Exchange. An active public market in the HoldCo Common Shares or HoldCo ADSs may not develop or be sustained after their issuance.

### **Risks Relating to Owning HoldCo ADSs**

The market for HoldCo ADSs may not be liquid.

Active, liquid trading markets generally result in lower price volatility and more efficient execution of buy and sell orders for investors, compared to less active and less liquid markets. Liquidity of a securities market is often a function of the volume of the underlying shares that are publicly held by unrelated parties.

Although holders of HoldCo ADS will be entitled to withdraw HoldCo Common Shares underlying the ASE ADSs from the depositary at any time, ROC law requires that HoldCo Common Shares be held in an account in the ROC or sold for the benefit of the holder on the TWSE. In connection with any withdrawal of HoldCo Common Shares from the HoldCo ADS facility, the HoldCo ADSs evidencing these common shares will be cancelled. Unless additional ADSs are issued, the effect of withdrawals will be to reduce the number of outstanding ADSs. If a significant number of withdrawals are effected, the liquidity of HoldCo ADSs will be substantially reduced.

*HoldCo will be a foreign private issuer, and as such it is exempt from certain provisions applicable to United States domestic public companies.*

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Because HoldCo qualifies as a foreign private issuer, it is exempt from certain provisions of the securities rules and regulations in the United States that are applicable to U.S. domestic issuers, including:

rules under the Exchange Act requiring the filing with the SEC of quarterly reports on Form 10-Q or current reports on Form 8-K;

sections of the Exchange Act regulating the solicitation of proxies, consents, or authorizations in respect of a security registered under the Exchange Act;

sections of the Exchange Act requiring insiders to file public reports of their share ownership and trading activities and liability for insiders who profit from trades made in a short period of time; and

selective disclosure rules by issuers of material nonpublic information under Regulation FD.

HoldCo will be required to file an annual report on Form 20-F within four months of the end of each fiscal year. In addition, HoldCo intends to publish its results on a quarterly basis as press releases, distributed pursuant to the rules and regulations of the NYSE. Press releases relating to financial results and material events will also be furnished to the SEC on Form 6-K. However, the information HoldCo is required to file with or furnish to the SEC will be less extensive and less timely as compared to that required to be filed with the SEC by United States domestic issuers.

As a ROC company listed on the NYSE, HoldCo will be subject to the NYSE corporate governance listing standards. However, HoldCo, as a foreign private issuer, will also be permitted to follow certain home country corporate governance practices instead of those otherwise required under the NYSE's rules for domestic U.S. issuers, provided that HoldCo discloses which requirements it is not following and describe the equivalent home country requirement in its annual report on Form 20-F. Holdco intends to rely on home country practice to exempt out of the requirement for NYSE listed companies to have a majority of independent directors. The Joint Share Exchange Agreement provides that, for the first term of HoldCo's board of directors, HoldCo's incorporators' meeting will elect nine to thirteen non-independent directors and three supervisors who will become independent directors. The articles of incorporation of HoldCo further provides that starting from the second term of its board of directors term, HoldCo shall have thirteen directors, of which three shall be three independent directors and ten non-independent directors.

To the extent that HoldCo chooses to follow its home country corporate governance practice, its shareholders may be afforded less protection than they would otherwise have under the NYSE corporate governance listing standards applicable to U.S. domestic issuers. As a result, you may not be afforded the same protections or information, which would be made available to you, were you to invest in a United States domestic issuer.

***The ongoing proceeding involving Dr. Tien Wu may have an adverse impact on HoldCo's business and cause HoldCo's share price to decline.***

Dr. Tien Wu, ASE's director and Chief Operating Officer and a nominee for HoldCo's director, is currently undergoing criminal proceedings brought by the Kaohsiung Prosecutor's Office. The indictment alleges that Dr. Tien Wu violated Article 157-1 of the ROC Securities and Exchange Law for insider trading activities involving SPIL Common Shares conducted during the period when the Initial ASE Tender Offers, the Second ASE Tender Offers and negotiations of the Joint Share Exchange MOU took place. No judicial conclusion has been reached yet for this proceeding. Further development of this proceeding may result in regulatory scrutiny from the Taiwan Stock exchange or other regulators on a discretionary basis. If Dr. Tien Wu is sentenced or pleads guilty to the alleged violations, investor confidence in HoldCo could be impaired and HoldCo's capacity to retain or attract clients could be negatively affected. Although neither ASE, SPIL nor any their directors or the nominees for HoldCo's directors is expected to become party to any current or future litigation related to Dr. Tien Wu, there is no assurance that there will not be similar or related litigation in the future.

Although ROC Company law and other relevant regulations do not require a company to discharge any director who receives a sentence by a court for violating Article 157-1 of the ROC Securities and Exchange Law, the Securities and Futures Investors Protection Center may file a civil lawsuit against Dr. Tien Wu to request the court to remove him from HoldCo's board seat based on Article 10-1 of the Securities Investor and Futures Trader Protection Act. There is no assurance that this proceeding or the further scrutiny from regulators will not generate

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publicity or media attention. Any negative publicity in connection to this legal proceeding may adversely affect HoldCo's, ASE's or SPIL's brand and reputation and result in a material adverse impact on their business operations and prospects. As ASE and HoldCo depends on the continued service of its executive officers and is not insured against the loss of service of any of their personnel, HoldCo's or ASE's business operations could suffer if it loses the service of any executive officers, including Dr. Tien Wu, and cannot adequately replace them.

If a non-ROC holder of HoldCo ADSs withdraws and holds HoldCo Common Shares, such holder of HoldCo ADSs will be required to appoint a tax guarantor, local agent and custodian in the ROC and register with the TWSE in order to buy and sell securities on the TWSE.

When a non-ROC holder of HoldCo ADSs elects to withdraw and hold HoldCo Common Shares represented by HoldCo ADSs, such holder of the ADSs will be required to appoint an agent for filing tax returns and making tax payments in the ROC. Such agent will be required to meet the qualifications set by the ROC Ministry of Finance and, upon appointment, becomes the guarantor of the withdrawing holder's tax payment obligations. Evidence of the appointment of a tax guarantor, the approval of such appointment by the ROC tax authorities and tax clearance certificates or evidentiary documents issued by such tax guarantor may be required as conditions to such holder repatriating the profits derived from the sale of HoldCo Common Shares. There is no assurance that a withdrawing holder will be able to appoint, and obtain approval for, a tax guarantor in a timely manner.

In addition, under current ROC law, such withdrawing holder is required to register with the TWSE and appoint a local agent in the ROC to, among other things, open a bank account and open a securities trading account with a local securities brokerage firm, pay taxes, remit funds and exercise such holder's rights as a shareholder. Furthermore, such withdrawing holder must appoint a local bank or a local securities firm to act as custodian for confirmation and settlement of trades, safekeeping of securities and cash proceeds and reporting and declaration of information. Without satisfying these requirements, non-ROC withdrawing holders of HoldCo ADSs would not be able to hold or otherwise subsequently sell HoldCo Common Shares on the TWSE or otherwise.

Pursuant to ROC Mainland Investors Regulations, only qualified domestic institutional investors ("QDIIs") or persons that have otherwise obtained the approval from the Investment Commission of the MOEA and registered with the TWSE are permitted to withdraw and hold shares from a depositary receipt facility. In order to hold such shares, such QDIIs are required to appoint an agent and custodian as required by the Regulations Governing Securities Investment and Futures Trading in Taiwan by Mainland Area Investors. If the aggregate amount of HoldCo shares held by any QDII or shares received by any QDII upon a single withdrawal account or multiple withdrawal accounts for 10.0% of HoldCo's total issued and outstanding shares, such QDII must obtain the prior approval from the MOEA. We cannot assure you that such approval would be granted.

A different view of the ROC tax agency from our current treatment of the ROC securities transaction tax might cause tax uncertainties to HoldCo shareholders

Uncertainty exists as to whether the consideration received by ASE shareholders for the Share Exchange will be subject to the ROC securities transaction tax. In the view of Baker & McKenzie, by reasonable interpretation of the ROC Mergers and Acquisitions Act based on current rules and regulations promulgated by the ROC tax authority, the Share Exchange should be exempted from such tax under the ROC Mergers and Acquisitions Act. HoldCo intends to issue the share consideration to ASE shareholders at the Effective Time without deducting or withholding any ROC securities transaction tax. However, due to lack of precedents, ASE and Baker & McKenzie cannot assure you that the ROC tax agency will not take a different view on this. In the event that the ROC tax agency decides to charge securities transaction tax for the Share Exchange after the Effective Time, HoldCo will pay the tax and could demand reimbursement from former ASE shareholders, i.e., Holdco shareholders at that time.

Restrictions on the ability to deposit HoldCo Common Shares into HoldCo ADS facility may adversely affect the liquidity and price of HoldCo ADSs.

The ability to deposit HoldCo Common Shares into HoldCo ADS facility is restricted by ROC law. A significant number of withdrawals of HoldCo Common Shares underlying HoldCo ADSs would reduce the liquidity of the ADSs by reducing the number of ADSs outstanding. As a result, upon completion of the Share Exchange, the prevailing market price of HoldCo ADSs on the NYSE may differ from the prevailing market price of HoldCo Common Shares on the TWSE. Under current ROC law, no person or entity may deposit HoldCo Common Shares in the HoldCo ADS facility without specific approval of the FSC, unless:

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- (1) HoldCo pays stock dividends on its common shares;
- (2) HoldCo makes a free distribution of its common shares;
- (3) holders of HoldCo ADSs exercise preemptive rights in the event of capital increases; or

(4) to the extent permitted under the HoldCo Deposit Agreement and the relevant custody agreement, investors purchase HoldCo Common Shares, directly or through the depository, on the TWSE, and deliver HoldCo Common Shares to the custodian for deposit into the HoldCo ADS facility, or the shareholders of HoldCo deliver HoldCo Common Shares to the custodian for deposit into the HoldCo ADS facility.

With respect to item (4) above, the HoldCo Depository may issue HoldCo ADSs against the deposit of HoldCo Common Shares only if the total number of HoldCo ADSs outstanding following the deposit will not exceed the number of HoldCo ADSs previously approved by the FSC, plus any HoldCo ADSs issued pursuant to the events described in items (1), (2) and (3) above.

In addition, in the case of a deposit of HoldCo Common Shares requested under item (4) above, the depository will refuse to accept deposit of HoldCo Common Shares if such deposit is not permitted under any legal, regulatory or other restrictions notified by HoldCo to the HoldCo Depository from time to time, which restrictions may include blackout periods during which deposits may not be made, minimum and maximum amounts and frequency of deposits.

Holders of HoldCo ADSs will not have the same voting rights as HoldCo shareholders, which may affect the value of their HoldCo ADSs.

The voting rights of a holder of HoldCo ADSs as to HoldCo Common Shares represented by its HoldCo ADSs will be governed by the HoldCo Deposit Agreement which will take effect at or after the Effective Time and which form has been included as exhibit 4.2 in this proxy statement/prospectus. Holders of HoldCo ADSs will not be able to exercise voting rights on an individual basis. If holders representing at least 51% of the HoldCo ADSs outstanding at the relevant record date instruct the HoldCo Depository to vote in the same manner regarding a resolution, including the election of directors, the HoldCo Depository will cause all HoldCo Common Shares represented by the HoldCo ADSs to be voted in that manner. If the HoldCo Depository does not receive timely instructions representing at least 51% of the HoldCo ADSs outstanding at the relevant record date to vote in the same manner for any resolution, including the election of directors, holders of HoldCo ADSs will be deemed to have instructed the HoldCo Depository or its nominee to authorize all HoldCo Common Shares represented by the HoldCo ADSs to be voted at the discretion of the Chairman of HoldCo or his designee, which may not be in the interest of holders of HoldCo ADSs. Moreover, upon the completion of the Share Exchange, shareholders who own 1% or more of HoldCo outstanding shares are entitled to submit one proposal to be considered at HoldCo annual general meetings of shareholders. However, only holders

representing at least 51% of HoldCo ADSs outstanding at the relevant record date are entitled to submit one proposal to be considered at HoldCo annual general meetings of shareholders. Hence, only one proposal may be submitted on behalf of all HoldCo ADS holders.

The right of holders of HoldCo ADSs to participate in future rights offerings is limited, which could cause dilution to HoldCo ADS holders' holdings.

HoldCo may from time to time distribute rights to its shareholders, including rights to acquire its securities. Under the HoldCo Deposit Agreement, the HoldCo Depositary will not offer holders of HoldCo ADSs those rights unless both the distribution of the rights and the underlying securities to all HoldCo ADS holders are either registered under the Securities Act or exempt from registration under the Securities Act. Although HoldCo may be eligible to take advantage of certain exemptions under the Securities Act available to certain foreign issuers for rights offerings, there are no assurances that HoldCo will be able to establish an exemption from registration under the Securities Act, and we are under no obligation to file a registration statement for any of these rights. Accordingly, holders of HoldCo ADSs may be unable to participate in our rights offerings and may experience dilution of their holdings.

If the HoldCo Depositary is unable to sell rights that are not exercised or not distributed or if the sale is not lawful or reasonably practicable, it will allow the rights to lapse, in which case holders of HoldCo ADSs will receive no value for these rights.

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Changes in exchange controls which restrict your ability to convert proceeds received from your ownership of HoldCo ADSs may have an adverse effect on the value of your investment.

Under current ROC law, the HoldCo Depositary, without obtaining approvals from the Central Bank of the Republic of China (Taiwan) or any other governmental authority or agency of the ROC, may convert NT dollars into other currencies, including U.S. dollars, for:

the proceeds of the sale of HoldCo Common Shares represented by HoldCo ADSs or received as stock dividends from HoldCo Common Shares and deposited into the depositary receipt facility; and

- any cash dividends or distributions received from HoldCo Common Shares represented by HoldCo ADSs.

In addition, the HoldCo Depositary may also convert into NT dollars incoming payments for purchases of HoldCo Common Shares for deposit in the HoldCo ADS facility against the creation of additional HoldCo ADSs. The HoldCo Depositary may be required to obtain foreign exchange approval from the Central Bank of the Republic of China (Taiwan) on a payment-by-payment basis for conversion from NT dollars into foreign currencies of the proceeds from the sale of subscription rights for new HoldCo Common Shares. Although it is expected that the Central Bank of the Republic of China (Taiwan) will grant this approval as a routine matter, there is no assurance that in the future any approval will be obtained in a timely manner, or at all.



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## Exchange Rates

The table below sets forth the exchange rates of NT dollars against U.S. dollars set forth in the H.10 statistical release of the Federal Reserve Board for the periods indicated.

	Exchange Rate			
	Average	High	Low	Period End
2012	29.47	30.28	28.96	29.05
2013	29.73	30.20	28.93	29.83
2014	30.38	31.80	29.85	31.60
2015	31.80	33.17	30.37	32.79
2016	32.23	33.74	31.05	32.40
2017	30.40	32.37	29.64	29.64
July	30.39	30.61	30.18	30.20
August	30.23	30.35	30.07	30.13
September	30.13	30.37	29.93	30.33
October	30.25	30.44	30.12	30.12
November	30.08	30.21	29.97	29.98
December	29.95	30.05	29.64	29.64
2018				
January (through January 5, 2018)	29.56	29.60	29.47	29.47

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Note: Annual averages were calculated by using the average of the exchange rates on the last day of each month during the relevant year. Monthly averages were calculated by using the average of the daily rates during the relevant month.

On January 5, 2018, the exchange rate set forth in the H.10 statistical release of the Federal Reserve Board was NT\$29.47 to US\$1.00.

We make no representation that any NT dollar or U.S. dollar amounts could have been, or could be, converted into U.S. dollars or NT dollars, as the case may be, at any particular rate, or at all. Fluctuations in the exchange rate between NT dollars and U.S. dollars will affect the U.S. dollar equivalent of the NT dollar price of ASE Common Shares.

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## Market Price and Dividend Information

## Market Price Information

ASE Common Shares are listed on the TWSE under the stock code “2311.” The table below shows, for the periods indicated, the high and low closing prices and the average daily volume of trading activity on the TWSE for ASE Common Shares. The closing price for ASE Common Shares on the TWSE on January 12, 2018 was NT\$ 38.80 per share.

	Closing Price per ASE Common Share (in NT\$)	
	High	Low
2012	31.10	20.15
2013	30.65	23.60
2014	41.00	26.80
2015	47.75	30.00
First quarter	47.75	36.65
Second quarter	46.65	39.70
Third quarter	42.10	30.00
Fourth quarter	39.00	33.40
2016	39.60	28.65
First quarter	38.30	33.75
Second quarter	36.95	28.65
Third quarter	39.60	34.60
Fourth quarter	38.80	32.20
2017	41.75	32.80
First quarter	39.90	32.80
Second quarter	39.40	37.00
Third quarter	40.85	35.60
July	40.85	38.55
August	40.30	36.40
September	37.15	35.60
Fourth quarter	41.75	36.35
October	38.10	36.35
November	41.75	36.40
December	39.05	37.35
2018		
First quarter		

January (through January 12, 2018) 39.10 38.30

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Source: Bloomberg

ASE ADSs have been listed on the New York Stock Exchange under the symbol “ASX” since September 26, 2000. The outstanding ASE ADSs are identified by the CUSIP number 00756M404. The following table sets forth, for the periods indicated, the high and low closing prices and the average daily volume of trading activity on the New York Stock Exchange for ASE ADSs and the highest and lowest of the daily closing values of the New York Stock Exchange Index. The closing price for ASE ADSs on the New York Stock Exchange on January 12, 2018 was US\$6.66 per ADS.

	Closing Price per ASE ADS (in US\$)	High	Low
2012	5.27	3.54	
2013	5.35	3.91	
2014	6.87	4.45	
2015	7.89	4.69	
First quarter	7.89	5.96	
Second quarter	7.51	6.39	
Third quarter	6.67	4.69	
Fourth quarter	6.12	5.18	
2016	6.21	4.41	
First quarter	5.87	4.95	
Second quarter	5.78	4.41	
Third quarter	6.21	5.35	
Fourth quarter	6.12	4.92	
2017	7.07	5.09	
First quarter	6.62	5.09	
Second quarter	6.54	6.04	
Third quarter	6.65	5.86	
July	6.63	6.24	
August	6.65	6.02	
September	6.23	5.86	
Fourth quarter	7.07	6.10	
October	6.39	6.15	
November	7.07	6.10	
December	6.55	6.32	
2018			
First quarter			
January (through January 12, 2018)	6.70	6.59	

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*Source:* Bloomberg

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SPIL Common Shares are listed on the TWSE under the stock code “2325.” The table below shows, for the periods indicated, the high and low closing prices on the TWSE for SPIL Common Shares.

	Closing Price per SPIL Common Share (in NT\$)	
	High	Low
2012	36.50	26.80
2013	39.00	30.20
2014	55.30	35.40
2015	56.20	33.10
First quarter	56.20	47.20
Second quarter	52.40	45.00
Third quarter	47.45	33.10
Fourth quarter	52.40	39.65
2016	53.40	43.30
First quarter	52.70	48.35
Second quarter	53.40	43.30
Third quarter	48.55	46.30
Fourth quarter	48.60	46.00
2017	50.30	47.25
First quarter	49.90	47.25
Second quarter	50.80	48.00
Third quarter	50.40	47.25
July	50.40	48.95
August	50.00	47.75
September	48.50	47.25
Fourth quarter	50.30	47.70
October	48.75	47.80
November	50.20	47.70
December	50.30	49.70
2018		
First quarter		
January (through January 12, 2018)	50.30	50.00

SPIL ADSs are listed on the NASDAQ under the symbol “SPIL.” The table below shows, for the periods indicated, the high and low closing prices on the NASDAQ for SPIL ADSs.

	Closing Price per SPIL ADS (in US\$)	High Low
2012	6.04	4.52
2013	6.50	5.06
2014	8.88	5.62
2015	9.09	5.06
First quarter	9.09	7.46
Second quarter	8.49	7.30
Third quarter	7.55	5.06
Fourth quarter	8.05	6.16
2016	8.27	6.62
First quarter	8.21	7.16
Second quarter	8.27	6.62
Third quarter	7.68	7.19
Fourth quarter	7.57	7.13
2017	8.41	7.24
First quarter	8.13	7.24
Second quarter	8.36	7.83
Third quarter	8.24	7.81
July	8.24	7.92
August	8.17	7.81
September	7.81	7.81
Fourth quarter	8.41	7.80
October	8.04	7.81
November	8.36	7.80
December	8.41	8.24
2018		
First quarter		
January (through January 12, 2018)	8.51	8.39

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## Dividends and Dividend Policy

## ASE

ASE has historically paid dividends on ASE Common Shares with respect to the results of the preceding year following approval by ASE shareholders at the annual general meeting of shareholders. ASE has paid annual dividends on its common shares since 1989, except in 2002 and 2006 due to the losses it incurred in the 2001 and 2005 fiscal years, respectively.

The following table sets forth the stock dividends ASE paid during each of the years indicated and related information.

	Cash Dividends per ASE Common Share	Stock Dividends per Common Share <sup>(1)</sup>	Total ASE Common Shares Issued as Stock Dividends	Outstanding ASE Common Shares on Record Date <sup>(2)</sup>	Percentage of Outstanding ASE Common Shares Represented by Stock Dividends
	NT\$	NT\$			
2013	1.05	—	—	7,611,579,786	—
2014	1.29 <sup>(3)</sup>	—	—	7,847,817,646	—
2015	2.00	—	—	7,900,130,996	—
2016	1.60	—	—	7,931,725,946	—

(1) Stock dividends were paid out from retained earnings and capital surplus. Holders of common shares receive as a stock dividend the number of common shares equal to the NT dollar value per common share of the dividend declared multiplied by the number of common shares owned and divided by the par value of NT\$10 per share. Fractional shares are not issued but are paid in cash.

(2) Aggregate number of ASE Common Shares outstanding on the record date applicable to the dividend payment. Includes ASE Common Shares issued in the previous year under our employee bonus plan.

(3) On June 26, 2014, ASE's shareholders approved a cash dividend of NT\$1.30 per share for 2013 earnings. On July 29, 2014, the ASE Board resolved to adjust the cash dividend ratio to NT\$1.29411842 because the number of

outstanding ASE Common Shares had changed as a result of the exercise of share options.

## SPIL

SPIL may distribute dividends in any year in which SPIL has current or retained earnings (excluding reserves). SPIL has historically paid dividends on the Shares with respect to the results of the preceding year following approval by SPIL shareholders at the annual general meeting of shareholders. SPIL has paid annual dividends on its Shares since 1995, except in 2002 and 2003 because it incurred losses in 2001 and the shareholders did not resolve to declare a dividend in 2002. SPIL may also make distributions to its shareholders by capitalizing reserves, including the legal reserve and capital surplus if it does not have losses.

The following table sets forth the stock dividends SPIL paid during each of the years indicated and related information.



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	Cash Dividends Per SPIL Common Share	Stock Dividends per SPIL Common Share <sup>(1)</sup>	Total SPIL Common Shares Issued as Stock Dividends <sup>(2)</sup>	Outstanding SPIL Common Shares at Year-End
	NT\$	NT\$		
2013	1.67 <sup>(3)</sup>	–	–	3,116,361,139
2014	1.80	–	–	3,116,361,139
2015	3.00	–	–	3,116,361,139
2016	3.80 <sup>(4)</sup>	–	–	3,116,361,139

Stock dividend is declared in NT dollar amount per common share. The number of shares received by a (1) shareholder equals to the NT dollar amount per common share of dividend declared multiplied by the number of shares owned by the shareholder and divided by the par value of NT\$10 per common share.

(2) Total number of common shares issued as stock dividends include common shares issued from retained earnings and from capital reserve.

(3) Of which NT\$0.30 per share is from capital reserve and NT\$1.37 per common share is from earnings distribution.

(4) Of which NT\$1.0 per share is from our capital reserve and NT\$2.80 per share is from earnings distribution.

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Information about the Companies

ASE

ASE is a company limited by shares incorporated under the laws of the ROC. ASE's services include semiconductor packaging, production of interconnect materials, front-end engineering testing, wafer probing and final testing services, as well as integrated solutions for electronics manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications.

ASE Common Shares are traded on the TWSE under the ticker "2311" and ASE ADSs are traded on the NYSE under the symbol "ASX." ASE's principal executive offices are located at 26 Chin Third Road, Nantze Export Processing Zone, Nantze, Kaohsiung, Taiwan, Republic of China and our telephone number at the above address is +886-7-361-7131.

SPIL

SPIL is a company incorporated under the ROC Company Law as a company limited by shares with its principal business address at No. 123, Sec. 3, Da Fong Road, Tantz, Taichung, Taiwan, Republic of China. The telephone number of SPIL's principal executive office is 886-4-2534-1525. The name, business address, present principal employment and citizenship of each director and executive officer of SPIL are set forth below.

HoldCo

It is expected that HoldCo will be a company limited by shares incorporated under the laws of the ROC and will be formed at the Effective Time. HoldCo will initially serve exclusively as the holding company for the ASE, SPIL, as well as their subsidiaries and investees.

It is expected that HoldCo Common Shares will be traded on the TWSE and HoldCo ADSs will be traded on the NYSE. It is expected that HoldCo's principal executive offices will be located at 26 Chin Third Road, Nantze Export Processing Zone, Nantze, Kaohsiung, Taiwan, Republic of China and its telephone number at the above address will

be +886-7-361-7131.

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Extraordinary General Shareholders' Meeting of ASE

General

The date, time and place of the ASE EGM to vote for the Share Exchange is expected to be held at 10:00 A.M. on February 12, 2018 (Taiwan time), at Zhuang Jing Auditorium, 600 Jiachang Road, Nantze Export Processing Zone, Nantze District, Kaohsiung City, Taiwan, Republic of China. Holders of ASE Common Shares will be entitled exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy, if they are recorded on ASE's stockholder register on January 14, 2018. Holders of ASE ADSs will be entitled to instruct the ASE Depository (Citibank), as to how to vote their underlying shares of ASE Common Shares at the ASE EGM in accordance with the procedures set forth in this prospectus, if those holders were recorded on such ASE Depository's register of ASE ADS holders on January 12, 2018.

This proxy statement/prospectus will be filed with the SEC no later than 20 business days prior to the date of the ASE EGM. ASE will publish the notice of convocation for such ASE EGM on the MOPS in Taiwan, and distribute the notice of convocation to all holders of ASE Common Shares by mail at least 15 calendar days prior to the date of the ASE EGM. The ASE Depository will send to holders of ASE ADSs a notice and voting instruction from the depository prior to the date of the ASE EGM. The form of depository notice to holders of ASE ADSs and the form of voting instructions for use by holders of ASE ADSs are included in this proxy statement/prospectus as Exhibit 99.1 and Exhibit 99.2, respectively.

The purpose of the ASE EGM is to vote on the following proposals:

In connection with ASE

Proposal 1. To consider and to vote upon the joint share exchange agreement entered into between ASE and SPIL on June 30, 2016 and as supplemented by the Supplemental Agreement dated December 14, 2017 (the "Joint Share Exchange Agreement") and the proposed share exchange and the other transactions contemplated by the Joint Share Exchange Agreement

Proposal 2. To consider and to vote upon the amendment to the Procedures for Lending Funds to Other Parties of ASE

Proposal 3. To consider and to vote upon the amendment to the Procedures of Making the Endorsement and Guarantees of ASE

Proposal 4. To consider and to vote upon the amendment to the Procedures for Acquisition or Disposal of Assets of ASE

In connection with HoldCo

- Proposal 1. To consider and to vote upon the Rules of Procedure for Shareholders' Meetings of HoldCo

- Proposal 2. To consider and to vote upon the adoption of the articles of incorporation of HoldCo

- Proposal 3. To consider and to vote upon the Rules Governing the Election of Directors and Supervisors of HoldCo

- Proposal 4. To consider and elect the members of the board of directors and supervisors of HoldCo

- Proposal 5. To consider and to vote upon the proposal to waive the non-competition clauses applicable to newly elected directors of HoldCo

- Proposal 6. To consider and to vote upon the Procedures for Lending Funds to Other Parties of HoldCo

- Proposal 7. To consider and to vote upon the Procedures of Making the Endorsement and Guarantees of HoldCo

- Proposal 8. To consider and to vote upon the Procedures for Acquisition or Disposal of Assets of HoldCo

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We will provide additional information regarding the proposals outlined above (other than Proposal 1 in connection with ASE) which we shall file on a Form 6-K prior to the ASE EGM.

Voting

Record Date

Holders of ASE Common Shares will be entitled exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy. You may vote at the ASE EGM of ASE only if you are registered as a holder of one or more of ASE Common Shares in ASE's register of shareholders on January 14, 2018 (Taiwan Time).

As of November 30, 2017, there were 8,727,813,764 ASE Common Shares issued and outstanding, including 552,280,665 ASE Common Shares represented by ASE ADSs. Other than the proposal for the election of directors and supervisors of ASE Industrial Holding Co., Ltd. which is through cumulative voting, each ASE shareholder is entitled to one vote per share for the proposals raised at the ASE EGM.

Vote Required

The required quorum to vote on the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement at the ASE EGM is a two-third majority of the total issued and outstanding common shares held by shareholders of ASE. The affirmative vote of shareholders representing a majority of the voting rights of the shareholders of ASE represented at the ASE EGM is required to approve the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement. Alternatively, if such quorum cannot be constituted, the resolution for the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement may be adopted by an affirmative vote representing at least two-thirds of the voting rights at the ASE EGM of shareholders for which shareholders of at least a majority of issued and outstanding common shares are present. Each shareholder is entitled to one vote per share.

***Voting interest by ASE Directors and Officers***

As of November 30, 2017, 2,163,879,853 ASE Common Shares, or approximately 24.8% of the outstanding shares entitled to vote, were beneficially owned by ASE's directors and executive officers. To our knowledge, the directors

and executive officers intend to support the Share Exchange proposal at the ASE EGM.

*Voting by ASE Depositary*

As of November 30, 2017, approximately 6.3% of the total number of outstanding ASE Common Shares having voting rights were represented by ASE ADSs.

At the request of ASE, the ASE Depositary (Citibank) has fixed the close of business in New York on January 12, 2018 as the date for determining those holders of ASE ADSs entitled to give voting instructions to the ASE Depositary. The ASE Depositary will send to holders of ASE ADSs as of that date a voting instruction card and a notice which outlines the procedures those holders must follow to give proper voting instructions to the ASE Depositary.

In accordance with and subject to the terms of ASE Deposit Agreement, holders of ASE ADSs have no individual voting rights with respect to the ASE Common Shares represented by their ASE ADSs. Pursuant to the ASE Deposit Agreement, each holder of ASE ADSs is deemed to have authorized and directed the ASE Depositary to appoint the Chairman of ASE or his/her designee as Voting Representative of the ASE Depositary, the custodian or the nominee who is registered in the ROC as representative of the holders ASE ADSs to vote the ASE Common Shares represented by ASE ADSs, as more fully described below.

In accordance with and subject to the terms of the ASE Deposit Agreement, if holders of ASE ADSs together holding at least 51% of all the ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM to instruct the ASE Depositary, prior to the ASE ADS voting instructions deadline, to vote in the same manner with respect to any of the proposals to be voted on at the EGM, the ASE Depositary shall notify the Voting Representative and appoint the Voting Representative as the representative of the ASE Depositary and the holders of ASE ADSs to attend the ASE EGM and vote, as to such proposals, all ASE Common Shares represented by ASE ADSs outstanding in the manner so instructed by such holders. If voting instructions are received from an ASE ADS holder by the ASE Depositary as of the ASE ADS voting instructions deadline which are signed but without further

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indication as to voting instructions, the ASE Depositary shall deem such holder to have instructed a vote in favor of the items set forth in such instructions.

In accordance with and subject to the terms of the ASE Deposit Agreement, if, for any reason, the ASE Depositary has not, prior to the ASE ADS voting instructions deadline, received instructions from holders of ASE ADSs together holding at least 51% of all ASE ADSs outstanding as of the record date set by the ASE Depositary for the ASE EGM to vote in the same manner with respect to any of the proposals to be voted on at the EGM, the holders of all ASE ADSs shall be deemed to have authorized and directed the ASE Depositary to give a discretionary proxy to the Voting Representative, as the representative of the holders of ASE ADSs, to attend the ASE EGM and vote, as to such proposals, all the ASE Common Shares represented by ASE ADSs then outstanding in his/her discretion; provided, however, that the ASE Depositary will not give a discretionary proxy as described if it fails to receive under the terms of the ASE Deposit Agreement a satisfactory opinion from ASE's counsel prior to the ASE EGM. In such circumstances, the Voting Representative shall be free to exercise the votes attaching to the ASE Common Shares represented by ASE in any manner he/she wishes, which may not be in the best interests of the ASE ADS holders. The Voting Representative has informed ASE that he plans as of the date of this proxy statement/prospectus to vote in favor of all of the proposals at the ASE EGM, although he has not entered into any agreement obligating him to do so.

## *Voting Mechanism*

Holders of ASE Common Shares are entitled to exercise voting rights by electronic means or by attending the ASE EGM in person or by proxy.

You may exercise your voting right by electronic means during the Electronic Voting Period. Shareholders who intend to exercise voting right electronically must log in to the website maintained by the Taiwan Depositary & Clearing Corporation (<https://www.stockvote.com.tw>) and inputting an exercise code. Internet voting is available only in the Chinese language.

You may also exercise your voting rights by attending the ASE EGM in person or by proxy using a duly authorized power of attorney in the prescribed form attached to the notice of convocation distributed by ASE prior to the ASE EGM.

## Revocation



Shareholders who previously exercised their voting right electronically may revoke or submit a subsequent vote via the electronic voting website anytime within the Electronic Voting Period. Once an electronic voting has been revoked, such shareholder may attend the ASE EGM in person or by proxy.

Shareholders who previously presented a valid proxy to ASE or exercised their voting rights electronically but then wish to attend the ASE EGM in person are required to revoke their proxy in writing addressed to ASE or revoke your electronic vote by logging in to the electronic voting website at least two (2) calendar days prior to the ASE EGM. Otherwise, the voting right exercised by their proxy or through the electronic voting website at the ASE EGM will prevail.

Solicitation of Proxies, Consents or Authorizations.

Under ROC law, ASE is prohibited from soliciting proxies, consents or authorizations at its shareholders' meetings, including the ASE EGM at which the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement will be voted upon.

However, ASEE, a shareholder of ASE beneficially holding approximately 15.7% of the total outstanding share capital of ASE as of the date of this proxy statement/prospectus, is soliciting proxies in favor of the authorization and approval of the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement prior to the ASE EGM. ASEE is controlled by ASE's Chairman and Chief Executive Officer Jason C.S. Chang. ASEE will pay its own cost of soliciting proxies, including the cost of mailing the proxy statement. In addition to solicitation by use of the mails, proxies may be solicited by each of ASEE's directors and executive officers, each of whom is a participant in this solicitation, in person or by telephone or other means of communication. These persons will not receive additional compensation, but may be reimbursed for reasonable out-of-pocket expenses in connection with this solicitation. ASEE will make arrangements with brokerage houses, custodians, nominees and

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fiduciaries to forward proxy solicitation materials to beneficial owners of shares held of record by them. ASEE will also reimburse these brokerage houses, custodians, nominees and fiduciaries for their reasonable expenses incurred in forwarding the proxy materials.

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The Joint Share Exchange Agreement

Summary of the Joint Share Exchange Agreement

*The following section contains a summary of certain provisions of the joint share exchange agreement dated June 30, 2016, as supplemented by the Supplemental Agreement. The following summary is qualified in its entirety by reference to the Joint Share Exchange Agreement itself, which is included in this proxy statement/prospectus as Annex A-1 and Annex A-2. We urge you to read the Joint Share Exchange Agreement carefully and in its entirety, as it is the legal document governing the Share Exchange.*

Structure of the Share Exchange

The Share Exchange

Pursuant to the Joint Share Exchange Agreement, all of the issued and outstanding shares of ASE and SPIL will be transferred to a newly formed holding company, HoldCo, incorporated by ASE. HoldCo will issue new shares to ASE shareholders and pay a cash consideration to SPIL shareholders, each as described below. At the Effective Time, ASE and SPIL will become wholly owned subsidiaries of HoldCo, retaining their respective legal personalities.

HoldCo Articles of Incorporation

The Articles of Incorporation appended to the Joint Share Exchange Agreement will be proposed by the ASE board to the meeting of HoldCo's incorporators for adoption. Once the HoldCo incorporators' meeting passes the resolution to adopt the Articles of Incorporation, the Articles of Incorporation will become effective on the date when HoldCo is incorporated (which shall be the Effective Time).

Directors and Officers of HoldCo

Upon completion of the Share Exchange, the directors of SPIL will continue to serve as directors for their respective terms, and ASE has undertaken to reelect or appoint the directors whose terms end in June 2017, if they have not been

found to violate their respective fiduciary duties. SPIL's chairman (being Mr. Lin or his successor) and president (being Mr. Chi-Wen Tsai or his successor) are expected to serve as directors of the HoldCo. The directors of SPIL are also authorized to retain the executive officers of SPIL as long as the fiduciary duties of the directors can be discharged.

#### Consideration

At the Effective Time: (i) each issued SPIL Common Share immediately prior to the Effective Time (including SPIL's treasury shares), will automatically be transferred to HoldCo and converted into the right to receive NT\$55 in cash; and (ii) each SPIL ADS issued and outstanding immediately prior to the Effective Time, will be surrendered and converted into the right to receive NT\$275.

In addition, at the Effective Time: (i) each issued ASE Common Share (including ASE's treasury shares) immediately prior to the Effective Time, will be exchanged, in accordance with the exchange ratio, for 0.5 HoldCo Common Shares; and (ii) each ASE ADS issued and outstanding immediately prior to the Effective Time, will be surrendered in exchange for, in accordance with the exchange ratio, 1.25 HoldCo ADSs (following the Share Exchange, 1 HoldCo ADS will represent 2 HoldCo Common Shares, in contrast to the current ASE ADS, which represents 5 ASE Common Shares).

#### Treatment of Treasury Shares and Equity-Linked Securities

At the Effective Time, provided that the ASE 2015 Convertible Bonds and the ASE 2013 Convertible Bonds have not been redeemed, repurchased or repaid by ASE or converted and cancelled by the bondholders, HoldCo shall become the successor to both the ASE 2015 Convertible Bonds and the ASE 2013 Convertible Bonds pursuant to a supplemental indenture to be entered into among ASE, HoldCo and the trustee for each series of bonds. After the Effective time, provided that the ASE 2015 Convertible Bonds and the ASE 2013 Convertible Bonds have not

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been redeemed, repurchased or repaid by ASE or converted and cancelled by the bondholders, ASE shall continue to serve as an obligor under any outstanding ASE 2015 Convertible Bonds and ASE 2013 Convertible Bonds.

### Treatment of the SPIL Convertible Bonds

If any of SPIL Convertible Bonds have not been redeemed or repurchased by SPIL and cancelled or converted by holders of the SPIL Convertible Bonds prior to the Effective Time, ASE and HoldCo jointly warrant to SPIL that HoldCo, as co-obligors with SPIL pursuant to a supplemental indenture to be entered into among SPIL, HoldCo and the trustee of the SPIL Convertible Bonds, will pay Cash Consideration (subject to additional adjustments according to the terms of the Joint Share Exchange Agreement and applicable laws), without interest and net of any applicable withholding tax, to such holders of SPIL Convertible Bonds for each SPIL Common Share they are entitled to receive if they exercise their conversion rights after the Effective Time.

### Treatment of Fractional Shares

HoldCo will not issue any fractional shares of HoldCo Common Shares or HoldCo ADSs pursuant to the Share Exchange. Instead, ASE will aggregate the fractional entitlements and sell the aggregated ASE Common Shares using the closing price of ASE Common Shares on the TWSE on the trading day immediately preceding the Effective Time. Each holder of ASE Common Shares who otherwise would have received a fraction of a share of HoldCo Common Shares, will be entitled to receive, on a proportionate basis, the cash proceeds from the sale of such fractional shares.

### Adjustments to the Consideration

The Cash Consideration of NT\$55 per SPIL Common Share and NT\$275 per SPIL ADS will be adjusted if SPIL issues any shares or cash dividends between the date of the Joint Share Exchange Agreement and the Effective Time, provided, that the Cash Consideration will not be adjusted if SPIL's cash dividends in 2017, in aggregate, are less than 85% of SPIL's after-tax net profit for the year 2016. In 2017, SPIL made a dividend distribution of NT\$1.75 per share, which represented 55% of its after-tax net profit for the year 2016. Therefore, no adjustments were made to the Cash Consideration.

ASE and SPIL will negotiate changes to the Cash Consideration in good faith as a result of the occurrence of certain events set forth below to the extent such events occur prior to the Effective Time and result in a reduction, individually or in aggregate, in SPIL's consolidated net book value by 10% or more compared to SPIL's net book value in its consolidated audited financial statements as of March 31, 2016 (excluding any such decrease resulting from

dividends distributed by SPIL):

issuance of equity-linked securities by SPIL (except for any shares of SPIL issued as a result of the exercise of conversion rights of holders of SPIL Convertible Bonds;

disposal of material assets by SPIL;

occurrence of a major disaster causing a material adverse effect to SPIL, material technical changes or other circumstances affecting SPIL's shareholders' interests or the share price of SPIL Common Shares; and

repurchase of treasury shares by SPIL, except for the repurchase of SPIL Common Shares following the exercise of appraisal rights by SPIL shareholders in connection with the Share Exchange.

As of the date of this proxy statement/prospectus, ASE and SPIL are not aware of any events requiring the parties to adjust the Cash Consideration.

#### Appraisal Rights

Without prejudice to the appraisal rights described below in the section entitled "Rights of Dissenting Shareholders," if a SPIL shareholder or ASE shareholder exercises its appraisal rights, SPIL or ASE, respectively, will repurchase such shares in accordance with applicable law and regulations.

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Closing of the Share Exchange

Subject to the satisfaction or waiver (as applicable) of the conditions to closing of the Share Exchange, the Share Exchange is expected to occur on a date to be agreed by HoldCo's board of directors, the SPIL Board and the ASE Board, which date will be agreed upon and approved by such parties within 10 days of receipt of the approvals of their respective general shareholders' meetings to effect the Share Exchange.

Within three (3) business days after the Effective Time, HoldCo will pay the full Cash Consideration to a dedicated capital account opened by SPIL's stock transfer agent. ASE and HoldCo shall be jointly and severally liable for such payment obligation.

Representations and Warranties

The Joint Share Exchange Agreement contains various customary representations and warranties that SPIL makes to ASE relating to, among other things:

· SPIL's due incorporation, valid existence and authority to carry on its business operations

· capitalization of SPIL;

· absence of violations of: (i) current laws or regulations of the ROC, (ii) judgments, orders or dispositions by courts, (iii) organizational documents, or (iv) contracts, representations, warranties or other obligations of SPIL, in each case as a result of entry into the Joint Share Exchange Agreement

· authority to enter into the Joint Share Exchange Agreement

· enforceability of the Joint Share Exchange Agreement;

· approval of the SPIL Board and/or shareholders' meeting in connection with the Share Exchange;

· financial statements

· taxes;

- the absence of litigation;
- the absence of undisclosed liabilities
- title to assets;
- absence of new material debts since December 31, 2015;
- intellectual property;
- labor matters;
- environmental matters;
- material contracts;
- absence of default under contracts;
- compliance with laws; and



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- accuracy of materials provided to prepare and file this proxy statement/prospectus.

The Joint Share Exchange Agreement contains various customary representations and warranties that ASE makes to SPIL relating to, among other things:

- ASE's due incorporation, valid existence and authority to carry on its business operations

· capitalization of ASE;

· absence of violations of: (i) current laws or regulations of the ROC, (ii) judgments, orders or dispositions by courts, (iii) organizational documents, or (iv) contracts, representations, warranties or other obligations of ASE, in each case as a result of entry into the Joint Share Exchange Agreement

- authority to enter into the Joint Share Exchange Agreement

- enforceability of the Joint Share Exchange Agreement; and

- approval of the ASE Board and/or meeting of ASE's shareholders in connection with the Share Exchange.

The Joint Share Exchange Agreement contains various customary representations and warranties that ASE agrees to cause HoldCo to make to SPIL relating to, among other things:

- HoldCo's due incorporation, valid existence and authority to carry on its business operations

· absence of violations of: (i) current laws or regulations of the ROC, (ii) judgments, orders or dispositions by courts, (iii) organizational documents, or (iv) contracts, representations, warranties or other obligations of HoldCo, in each case as a result of entry into the Joint Share Exchange Agreement and

- approval of HoldCo's incorporators' meeting in connection with the Share Exchange.

Many of the representations and warranties of each party in the Joint Share Exchange Agreement are qualified by knowledge, materiality thresholds or "material adverse effect." SPIL's representations and warranties are also qualified by information in disclosure schedules and its publicly available disclosures filed with the Taiwan Financial Supervisory Commission, the TWSE and the SEC.

For purposes of the Joint Share Exchange Agreement, a “material adverse effect” to ASE or SPIL means any change, development, incident, matter, effect or fact that, individually or in aggregate, results in a material adverse effect on SPIL and its subsidiaries, or ASE and its subsidiaries, as applicable, taken as a whole, where “material” means the occurrence of such events that, individually or in the aggregate, result in a decrease in the consolidated net book value of SPIL, or ASE, as applicable, by 10% or more, compared to SPIL’s or ASE’s, as applicable, consolidated audited financial statements as of March 31, 2016; provided that, for the purposes of this definition, in no event will any of the following, individually or in the aggregate, be regarded as having or be taken into account in determining whether there has been a material adverse effect:

- a change in capital market conditions or general economic conditions;

- a change in geopolitical conditions occurring after the date the Joint Share Exchange Agreement was executed, or outbreak or escalation of any conflict, or any acts of terrorism or war;

- a force majeure event occurring after the date the Joint Share Exchange Agreement was executed;

- any change in applicable law after the date the Joint Share Exchange Agreement was executed;

- any change of the industry in which the party or its subsidiaries operate;

- the failure, in and of itself, to meet any predictions, forecasts, projections or estimates of revenue, profits or other financial or operational targets, or a change of market price, credit rating or trading volume of the party’s securities, provided that the directors of the party have met their duties of care and loyalty;

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the announcement of the execution of the Joint Share Exchange Agreement or the consummation of the Share Exchange, including any transaction-related litigation, any actions required by the covenants in the Joint Share Exchange Agreement, any loss of or change of relationship with any customer, supplier, distributor or other business partners of the party or its subsidiaries, or any loss of any employees or senior management, provided that the directors of the party have met their duties of care and loyalty; and

in the case of ASE only, any internal restructuring of ASE and/or its subsidiaries.

The representations and warranties of each of the parties to the Joint Share Exchange Agreement will terminate upon the Effective Time or termination of the Joint Share Exchange Agreement in accordance with its terms

Pre-Closing Covenants and Agreements

Conduct of Business of SPIL Pending Closing

From the date of execution of the Joint Share Exchange Agreement until the Effective Time, SPIL will not, and will not procure its subsidiaries to, among other matters:

issue any equity-linked securities (other than shares issued as a result of the exercise of conversion rights by holders of SPIL Convertible Bonds); or

directly or indirectly repurchase, individually or through any third party, any shares or equity-linked securities, or reduce its share capital or enter into any plan of dissolution, or make any filings in connection with restructuring, settlement or bankruptcy, except for the repurchase of shares from shareholders exercising appraisal rights or in connection with the redemption of SPIL Convertible Bonds.

Superior Proposals

Except (i) if required by a court judgment, arbitral award, approval or order, administrative decision or burden/condition approved by both ASE and SPIL by competent authorities (including the TWSE, TFTC, FTC, the MOFCOM or the SEC), or (ii) if SPIL receives a Superior Proposal (as described below), SPIL has agreed that between the date of the Joint Share Exchange Agreement and the Effective Time, it will not, and it will not procure its subsidiaries to, and none of its directors, managers, employees, agents or representatives may, offer or agree to enter into, or execute, any contract, agreement or other arrangement with any third party in respect of any of the following

transactions (an “Alternate Transaction”):

any transaction that may involve a spin-off, purchase or sale of SPIL or any other company’s shares of a non-financial investment nature;

a lease of all SPIL’s businesses to a third party, a joint operation with a third party, or the acquisition of the entire business or assets from a third party (except for the acquisition of the entire business or assets from a third party in an aggregate amount less than NT\$500,000,000);

any merger or acquisition that does not involve the issue of shares in HoldCo;

any sale of any or all material assets or businesses of SPIL’s wholly owned subsidiaries; and

any disposal of any interest in any material assets or businesses, or exclusive licenses of material patents or technologies, in each case of SPIL’s wholly owned subsidiaries.

For purposes of the Joint Share Exchange Agreement, “Superior Proposal” means a *bona fide*, unsolicited written offer to SPIL to enter into any Alternate Transaction, made by a party other than ASE, SPIL or any of SPIL’s directors, managers, employees, agents or representatives, where the terms and conditions of such an offer are considered to be more favorable to SPIL and SPIL’s shareholders than the terms and conditions of the Share Exchange, as evidenced by opinions separately issued by a renowned investment bank and law firm appointed by SPIL’s audit committee. If SPIL receives a Superior Proposal from a third party the conditions of which, in the respective opinions of SPIL’s audit committee and the SPIL Board, are more favorable than those of the Share Exchange, SPIL will notify ASE in writing of such superior proposal and furnish ASE with details of the entire Superior Proposal. From the fifth business day following the delivery of such notice to ASE, SPIL will be permitted

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to negotiate with, propose to, inquire with, deliberate with, contact, discuss with, offer to or consult with such third party. ASE and SPIL agree that if SPIL does not consummate the Share Exchange due to its acceptance of a Superior Proposal, SPIL will pay to ASE a termination fee in the amount of NT\$17 billion.

### Other Pre-closing Covenant of SPIL

After ASE issues to SPIL, in connection with the payment of entire amount of the cash consideration under the Joint Share Exchange Agreement, the financing plan and a highly confident letter in respect of the financing of the Transaction issued by banks conforming to the market practice, SPIL shall in its SEC filings recommend to its shareholders to vote in favor of approving the Joint Share Exchange Agreement and the Transaction.

### Regulatory Approvals

ASE and HoldCo have agreed to use commercially reasonable efforts to, and SPIL has agreed to use reasonable efforts to, in each case, obtain all approvals relating to the Share Exchange from competent authorities. SPIL has agreed to use commercially reasonable efforts to assist ASE and HoldCo in making all filings and notifications and providing all information to competent authorities, including making all required filings with the TFTC, MOFCOM and the FTC. In addition, SPIL, ASE and HoldCo have agreed to comply with the Taiwan Fair Trade Act and all relevant laws.

ASE, HoldCo and SPIL have agreed to act in good faith and with goodwill in deciding, jointly, whether to accept any conditions or burdens imposed by any of the TFTC, the FTC or MOFCOM as a condition to obtaining approvals or avoiding a legal challenge from such authorities. ASE and SPIL have agreed to comply with any such conditions or burdens agreed by ASE and SPIL. Following the Effective Time, ASE, HoldCo and SPIL will comply with any conditions or burdens imposed by the TFTC, the FTC or MOFCOM, which ASE and SPIL have agreed to.

### Covenants of ASE Pending Closing

Except (i) if SPIL has materially breached any of its representations, warranties or covenants under the Joint Share Exchange Agreement, (ii) if there is any action taken by SPIL that would prevent the consummation of the Share Exchange without just cause, or (iii) where SPIL's directors have breached their duty of care or loyalty in relation to the Share Exchange, in each case during the period from the execution of the Joint Share Exchange Agreement to the Effective Time, ASE (and, if applicable, HoldCo) have agreed to:

support the candidates for SPIL's 13<sup>th</sup> board of directors nominated by the SPIL Board when SPIL re-elects its board of directors in June 2017;

not intervene in the operation of SPIL and to support the motions put forward by SPIL's Board at SPIL's shareholders' meeting, including by abstaining from voting on any motion that threatens SPIL's interests and to not solicit proxies or seek to replace SPIL's directors, including by convening an extraordinary general meeting of SPIL shareholders, and no current or former director of ASE or any of its subsidiaries, or their spouses, other relatives and certain other persons may serve as a director of SPIL;

maintain the competition between, and the respective independence of, ASE and SPIL, without the hiring of any of SPIL's employees by ASE; and

not purchase or acquire shares in SPIL or increase its interest in SPIL in any manner that violates applicable law; provided that, for any shares in SPIL acquired by ASE in accordance with applicable law between the date the Joint Share Exchange Agreement was executed and the Effective Time, (i) ASE may dispose of such shares freely for financial purposes, provided that the disposed shares are in aggregate less than 10% of the total issued and outstanding share capital of SPIL, and (ii) ASE may transfer shares of SPIL to persons who do not operate any businesses in the integrated circuit packaging industry; provided that if the transferred shares are in aggregate more than 10% of the total issued and outstanding share capital of SPIL, ASE will obtain SPIL's prior written consent to such a transfer.

(collectively, the "ASE Surviving Covenants")

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### Shareholders' Meeting

SPIL and ASE, respectively, will cause an extraordinary general meeting of its shareholders to be duly called and held, on the same date, to approve the Joint Share Exchange Agreement and the Share Exchange. SPIL and ASE will jointly determine the date of such extraordinary general meetings upon receiving antitrust clearance or approvals from any two of the TFTC, MOFCOM and FTC. Such date shall be no later than seventy (70) calendar days after antitrust clearance or approvals from each of the TFTC, MOFCOM and FTC have been obtained.

In addition, from the business day immediately following the date on which the SEC confirms that it has no further comments on the respective SEC filing documents required for SPIL and ASE, each of SPIL and ASE will take all necessary actions to call an extraordinary general meeting of its shareholders. The date of such extraordinary general meetings shall be no later than seventy (70) calendar days after the date on which the SEC confirms that it has no further comments on the respective SEC filings documents required for SPIL and ASE.

### Financing

ASE shall, before SPIL's submission of Schedule 13e-3 to the SEC, confirm with SPIL the types and composition of ASE's and HoldCo's funding sources and present proof documentation in respect of funding sources (including, but not limited to, the financing plan and a highly confident letter conforming to the market practice and issued by bank(s) financing the Share Exchange) that can demonstrate ASE's and HoldCo's ability to fully pay for the consideration of the Share Exchange.

### Conditions to Consummation of the Share Exchange

The obligations of ASE, SPIL and HoldCo to consummate the Share Exchange are subject to the satisfaction of the following conditions:

· ASE and SPIL will each have obtained unconditional approval of the Share Exchange at their respective general shareholders' meetings;

· receipt of approvals from all relevant competent authorities, including, but not limited to, (i) the TWSE and the SEC (ii) the TFTC and MOFCOM and (iii) the FTC completing its investigation without seeking an injunction prohibiting the Share Exchange (in the case of (ii) and (iii), including approvals or consents of conditions imposed by such

authorities that both ASE and SPIL have agreed to accept); and

no order (or agreement with the FTC) is in effect and enforceable prohibiting, enjoining or rendering illegal the consummation of the Share Exchange, and no law shall have been enacted or enforced after the date the Joint Share Exchange Agreement was executed rendering illegal or prohibiting the consummation of the Share Exchange; provided that the enforcement of an order or law shall not include the decision by a governmental entity to extend the waiting period or initiate an investigation under antitrust laws or other applicable law.

In addition, ASE's and HoldCo's obligations to consummate the Share Exchange are subject to the satisfaction or waiver by ASE and HoldCo of the following additional conditions:

all representations and warranties of SPIL are true and accurate as of the date the Joint Share Exchange Agreement was executed and as of the Effective Time, except to the extent no material adverse effect on SPIL has occurred;

SPIL has performed in all material respects all obligations and undertakings required to be performed by it under the Joint Share Exchange Agreement prior to the Effective Time

no material adverse effect to SPIL shall have occurred prior to the Effective Time; and

prior to the Effective Time, no force majeure events will have occurred which, individually or in aggregate, result in a decrease in SPIL's consolidated net book value by 30% or more, relative to SPIL's net book value in its consolidated audited financial statements as of March 31, 2016.



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In addition, SPIL's obligation to consummate the Share Exchange is subject to the satisfaction or waiver of the following additional conditions:

all representations and warranties of ASE are true and accurate as of the date the Joint Share Exchange Agreement was executed and as of the Effective Time, except to the extent no material adverse effect on ASE has occurred

all representations and warranties of HoldCo are true and accurate as of the Effective Time, except to the extent no material adverse effect on HoldCo has occurred

ASE and HoldCo have performed in all material respects all obligations and undertakings required to be performed by each of them under the Joint Share Exchange Agreement prior to the Effective Time

no material adverse effect to ASE will have occurred prior to the Effective Time; and

prior to the Effective Time, no force majeure events will have occurred which, individually or in aggregate, result in a decrease in ASE's consolidated net book value by 30% or more, relative to ASE's net book value in its consolidated audited financial statements as of March 31, 2016.

The consummation of the Share Exchange is subject to the satisfaction or waiver of all the conditions set forth above on or prior to the Long Stop Date. If the closing of the Share Exchange cannot be completed due to the failure to satisfy the conditions set forth above on or prior to the Long Stop Date, the Joint Share Exchange Agreement will automatically terminate at midnight on the day immediately following the Long Stop Date.

Termination and Events of Default

Termination of Joint Share Exchange Agreement

The Joint Share Exchange Agreement may be terminated prior to the Effective Time by either ASE or SPIL if any of the following occurs:

a law, judgment, court order or administrative decision issued by a competent authority restricts or prohibits the consummation of the Share Exchange, and such restriction or prohibition has been confirmed and cannot be remedied by amending the Joint Share Exchange Agreement; or

the Joint Share Exchange Agreement and Share Exchange are not approved by ASE's shareholders or SPIL's shareholders at their respective shareholder meetings.

The Joint Share Exchange Agreement may also be terminated at any time prior to the Effective Time by ASE if SPIL has breached or failed to perform any of its representations, warranties, undertakings or obligations under the Joint Share Exchange Agreement and such breach leads to the failure to satisfy the conditions to the consummation and is by its nature not capable of being cured, or is not cured by SPIL within 30 business days of receiving written notice of such breach, and is not waived in writing by ASE.

The Joint Share Exchange Agreement may also be terminated at any time prior to the Effective Time by SPIL if ASE has breached or failed to perform any of its representations, warranties, undertakings or obligations under the Joint Share Exchange Agreement and such breach leads to the failure to satisfy the conditions to the consummation and is by its nature not capable of being cured, or is not cured by ASE within 30 business days of receiving written notice of such breach, and is not waived in writing by SPIL.

If the Share Exchange is not consummated on or before the Long Stop Date, the Joint Share Exchange Agreement will automatically terminate at midnight on the day immediately following the Long Stop Date.

#### Events of Default and Consequences of Termination

An event of default will occur if ASE, HoldCo or SPIL breach any of their obligations, undertakings, representations or warranties under the Joint Share Exchange Agreement, and such breach is by its nature not capable of being cured or, if such breach is by its nature capable of being cured, the non-defaulting party requests that the defaulting party cure such breach within 15 days and such breach is not cured within 15 days; provided that

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HoldCo and ASE are jointly and severally liable for breaches committed by either party, and a breach of any representation or warranty made prior to the Effective Time will no longer constitute an event of default as of the Effective Time.

Upon the occurrence of an event of default that prevents the consummation of the Share Exchange on or prior to the Long Stop Date, the non-defaulting Party will be entitled to terminate the Joint Share Exchange Agreement and claim from the defaulting party all necessary expenses incurred in connection with entering into the Joint Share Exchange Agreement and the performance of the obligations thereunder, in addition to any rights, remedies and damages under applicable law, subject to any adjustments for the contributory negligence of the non-defaulting party. The percentage of such contributory negligence may be determined by an expert appraiser appointed by both ASE and SPIL without being determined by arbitration. In addition to any right of termination and claims for expenses, upon the occurrence of certain prescribed material events of default, the non-defaulting party will also be entitled to liquidated damages in the amount of NT\$8.5 billion from the defaulting party, subject to adjustments for contributory negligence by the non-defaulting party.

### Post-Termination Obligations

Unless ASE terminates the Joint Share Exchange Agreement for breach by SPIL, ASE has agreed to comply with the ASE Surviving Covenants and SPIL has agreed to be bound by the provisions relating to a Superior Proposal, and the payment of the break fee, in each case for six (6) months from the date of termination of the Joint Share Exchange Agreement. In addition, ASE has agreed to maintain its position as solely a financial investor in SPIL without intervening with SPIL's independent operations during such six (6) month period.

### Post-Closing Operation and Corporate Governance

#### Board and Management of HoldCo

The directors of HoldCo will be comprised of nine to thirteen non-independent directors, appointed at a meeting of HoldCo's incorporators, and three supervisors, who will be future independent directors. The Chairman of SPIL and President of SPIL will each be appointed (non-independent) directors of HoldCo. ASE and SPIL will jointly nominate one independent director, when HoldCo appoints independent directors.

#### Independence

ASE and SPIL have agreed to comply with certain post-closing covenants to ensure the continued independence of SPIL following the consummation of the Share Exchange, including that SPIL will become a wholly owned subsidiary of HoldCo but its independent operations and the competition between ASE and SPIL will be maintained. In addition, subject to applicable law, the duties of SPIL's directors and the interests of HoldCo, HoldCo agrees to comply with the following covenants:

the operations of SPIL will be run by the SPIL Board, who will maintain control over SPIL's organizational documents, personnel, payroll or welfare systems, financial budgets, audit, technology research and development, operations and marketing; and other matters, in each case so as to maintain the independence of SPIL's operations;

any matter relating to SPIL's rights and obligations will be controlled by the SPIL Board or under its authorization, and the operation of SPIL's businesses will be conducted by the SPIL Board or under its direction;

HoldCo will, to the extent that it is capable, provide guaranties, funding or other support sufficient to enable SPIL to obtain financing from third parties (including, but not limited to, guarantee documentation acceptable to financing parties), in order to meet SPIL's funding needs, including but not limited to capital expenditure and working capital;

SPIL's management, employees, current organizational structure, compensation and relevant benefits as of the date of execution of the Joint Share Exchange Agreement will be maintained;

for so long as SPIL is a subsidiary of HoldCo, the SPIL Board will nominate and appoint directors and supervisors of SPIL in its sole discretion (and HoldCo will appoint such candidates), and such directors will

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not be replaced or otherwise removed without the consent of the SPIL Board; and the compensation and benefits of SPIL's directors as of the date of execution of the Joint Share Exchange Agreement will be maintained; and

HoldCo may not dispose of any shares in SPIL without SPIL's consent.

Based on the principle of reciprocity, SPIL will, to the extent that it is capable, provide guaranties, funding or other support sufficient to enable HoldCo to obtain financing from third parties (including, but not limited to, guarantee documentation acceptable to financing parties), in order to meet HoldCo's funding needs, including but not limited to capital expenditure and working capital.

ASE, HoldCo and SPIL have agreed that, following the Effective Time, none of ASE, SPIL or any of the other wholly owned subsidiaries of HoldCo, or any of their directors, managers or agents, without the consent of HoldCo, will offer, agree or enter into any agreement with any third party regarding an Alternate Transaction.

In addition, HoldCo and its subsidiaries (other than ASE and SPIL) will not provide ASE with customer details or competitively sensitive information obtained from SPIL, including but not limited to production and sales costs, product price/quantity and details of suppliers, without the consent of SPIL and in accordance with applicable antitrust laws.

SPIL has the right to initiate arbitration against HoldCo or its subsidiaries if ASE commits an event of default under the Joint Share Exchange Agreement.

Employee Benefits and Rights

HoldCo has agreed that, for all employees of SPIL as of the Effective Time, HoldCo will ensure that, subject to certain exceptions set forth in the Joint Share Exchange Agreement, they continue to receive existing employee benefits, work under the conditions and be subject to the same personnel regulations. The employment rights for employees of SPIL will be protected, except where such employee committed a material breach of applicable law or the personnel regulations of SPIL.

In addition, HoldCo will reserve a portion of HoldCo's employee stock options for SPIL's management and employees. HoldCo will determine the plan and terms for the issue of employee stock options and the proportion to be reserved for employees of SPIL based on the number of employees; each employee's contribution and performance results, and

the profitability of HoldCo's future subsidiaries. SPIL will determine, in accordance with its personnel regulations, the proportion of such HoldCo's employee stock options to be distributed to SPIL's management and its other employees.

ASE and HoldCo have agreed that SPIL's management team may, in its sole discretion and within three months after the completion of the Share Exchange, implement reasonable and appropriate one-off plans to retain members of SPIL's management and/or determine whether or not to accept resignations from SPIL employees who choose to resign after the Effective Time and the terms of such resignations; provided that the SPIL management team does not violate its duty of loyalty or duty of care.

#### Expenses

Except as otherwise explicitly provided for in the Joint Share Exchange Agreement, all costs and expenses incurred by the parties in connection with the Share Exchange will be paid by the party incurring such costs and expenses.

#### Governing Law and Jurisdiction

The Joint Share Exchange Agreement is governed by and is to be construed, in all respects, with the law of ROC, including as to interpretation, effectiveness and performance. The parties have agreed to submit disputes arising out of the Joint Share Exchange Agreement to the Chinese Arbitration Association in Taipei.

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Description of HoldCo Common Shares

The following information relates to the shares of HoldCo Common Shares, including summaries of certain provisions of HoldCo's Articles of Incorporation and of the ROC Company Law.

General

The authorized share capital of HoldCo will be as provided in its Articles of Incorporation, of which such number of shares as to be determined will be issued.

Dividends

In general, HoldCo will not be permitted to distribute dividends or make other distributions to shareholders in any year in which it did not record net income or retained earnings (excluding reserves). The ROC Company Law also requires that 10% of annual net income (less prior years' losses, if any) be set aside as a legal reserve until the accumulated legal reserve equals our paid-in capital. In addition, the Articles of Incorporation of HoldCo, if adopted at the ASE EGM to vote for the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement, will provide that if HoldCo is profitable, 0.1% (inclusive) to 1% (inclusive) of the profits shall be allocated as compensation to employees and 0.75% (inclusive) or less of the profits should be allocated as compensation to directors; however, provided that HoldCo has accumulated losses, the profit shall be set aside to compensate losses before such allocation. The Articles of Incorporation of HoldCo further provide that the annual net income shall be distributed in the order of sequences below:

making up for losses, if any;

10% being set aside as legal reserve;

allocation or reversal of a special surplus reserve in accordance with laws or regulations set forth by the authorities concerned; and

addition or deduction of the portion of retained earnings that are equity investment gains or losses that have been realized and measured at fair value through other overall gains or losses.

At the ASE EGM, the board of directors of HoldCo will submit to the shareholders for their approval any proposal for the distribution of dividends or the making of any other distribution to shareholders from HoldCo' net income for the preceding fiscal year. All common shares outstanding and fully paid as of the relevant record date are entitled to share equally in any dividend or other distribution so approved. Dividends may be distributed in cash, in the form of common shares or a combination of the two, as determined by the shareholders at the meeting. The Articles of Incorporation of HoldCo, if adopted at the ASE EGM to vote for the Share Exchange and other transactions contemplated by the Joint Share Exchange Agreement, will provide that cash dividend distribution should not be lower than 30% of the total dividend amount and the remainder be distributed as stock dividends.

HoldCo will also be permitted to make distributions to its shareholders in cash or in the form of common shares from reserves if it has no accumulated loss. However, the distribution payable out of HoldCo' legal reserve can only come from the amount exceeding 25% of the total paid-in capital.

#### Changes in Share Capital

Under ROC Company Law, any change in the authorized share capital of a company limited by shares requires an amendment to its Articles of Incorporation, which in turn requires approval at the shareholders' meeting. In the case of a public company such as HoldCo, it must also obtain the approval of, or submit a report to, the FSC and the Kaohsiung Export Processing Zone Administration. Authorized but unissued common shares may be issued, subject to applicable ROC law, upon terms as the board of directors of HoldCo may determine.

#### Preemptive Rights

Under the ROC Company Law, when an ROC company issues new shares for cash, existing shareholders who are listed on the shareholders' register as of the record date have preemptive rights to subscribe for the new issue in proportion to their existing shareholdings, while a company's employees, whether or not they are shareholders of the



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company, have rights to subscribe for 10% to 15% of the new issue. Any new shares that remain unsubscribed at the expiration of the subscription period may be freely offered, subject to compliance with applicable ROC law.

In addition, in accordance with the ROC Securities and Exchange Law, a public company that intends to offer new shares for cash must offer to the public at least 10% of the shares to be sold, except under certain circumstances or when exempted by the FSC. This percentage can be increased by a resolution passed at a shareholders' meeting, which would diminish the number of new shares subject to the preemptive rights of existing shareholders.

These preemptive rights provisions do not apply to offerings of new shares through a private placement approved at a shareholders' meeting.

## Meetings of Shareholders

HoldCo will be required to hold an annual general meeting of our shareholders within six months following the end of each fiscal year. These meetings are generally held in Kaohsiung, Taiwan. Any shareholder who holds 1% or more of HoldCo' issued shares may submit one written proposal for discussion at our annual general meeting. Extraordinary shareholders' meetings may be convened by resolution of the board of directors or by the board of directors upon the written request of any shareholder or shareholders who have held 3% or more of the outstanding common shares for a period of one year or longer. Shareholders' meetings may also be convened by a supervisor. Notice in writing of meetings of shareholders, stating the place, time and purpose, must be dispatched to each shareholder at least 30 days, in the case of annual general meetings, and 15 days, in the case of extraordinary meetings, before the date set for each meeting. A majority of the holders of all issued common shares present at a shareholders' meeting constitutes a quorum for meetings of shareholders.

## Voting Rights

Under the ROC Company Law, except under limited circumstances, shareholders have one vote for each common share held. Under the ROC Company Law, our directors and supervisors are elected at a shareholders' meeting through cumulative voting.

In general, a resolution can be adopted by the holders of at least a majority of our common shares represented at a shareholders' meeting at which the holders of a majority of all issued common shares are present. Under ROC Company Law, the approval by at least a majority of HoldCo Common Shares represented at a shareholders' meeting in which a quorum of at least two-thirds of all issued common shares are represented is required for major corporate

actions (alternatively, ROC Company Law provides that in case of a public company, such as HoldCo, a resolution to approve such major corporate actions may be adopted by the holders of at least two-thirds of the shares represented at a meeting of shareholders at which holders of at least a majority of issued and outstanding shares are present), including:

- amendment to the Articles of Incorporation, including increase of authorized share capital and any changes of the rights of different classes of shares;

- execution, amendment or termination of any contract through which the company leases its entire business to others, or the company appoints others to operate its business or the company operates its business with others on a continuous basis;

- transfer of entire business or assets or a substantial part of its business or assets;

- acquisition of the entire business or assets of any other company, which would have a significant impact on the company's operations;

- distribution of any stock dividend;

- dissolution, merger or spin-off of the company;

- issuance of restricted shares to employees; and

- removal of the directors or supervisors.

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A shareholder may be represented at an annual general or extraordinary meeting by proxy if a valid proxy form is delivered to HoldCo five days before the commencement of the annual general or extraordinary shareholders' meeting. Shareholders may exercise their voting rights by way of electronic means if the voting is made on the website maintained by the Taiwan Depository & Clearing Corporation (<http://www.stockvote.com.tw>) in accordance with the instructions provided therein.

Holders of HoldCo ADSs do not have the right to exercise voting rights with respect to the underlying common shares, except as described in the deposit agreement.

## Other Rights of Shareholders

Under the ROC Company Law, dissenting shareholders are entitled to appraisal rights in certain major corporate actions such as a proposed amalgamation by the company. If agreement with the company cannot be reached, dissenting shareholders may seek a court order for the company to redeem all of their shares. Shareholders may exercise their appraisal rights by serving written notice on the company prior to or at the related shareholders' meeting and/or by raising and registering an objection at the shareholders' meeting (see "Special Factors — Rights of Dissenting Shareholders"). In addition to appraisal rights, shareholders have the right to sue for the annulment of any resolution adopted at a shareholders' meeting where the procedures were legally defective within 30 days after the date of the shareholders' meeting. One or more shareholders who have held 3% or more of the issued and outstanding shares of a company for a period of one year or longer may require a supervisor or an independent director (in the event a company's supervisors are replaced by an audit committee as required by ROC Company Law) to bring a derivative action on behalf of the company against a director as a result of the director's unlawful actions or failure to act.

## Rights of Holders of Deposited Securities

For rights of holders of deposited securities, please see "Description of HoldCo American Depositary Shares — Voting Rights."

## Register of Shareholders and Record Dates

HoldCo's share registrar, President Securities Corp., will maintain HoldCo's register of shareholders at its offices in Kaohsiung, Taiwan. Under the ROC Company Law and the Articles of Incorporation of HoldCo, HoldCo may, by giving advance public notice, set a record date and close the register of shareholders for a specified period in order for it to determine the shareholders or pledgees that are entitled to rights pertaining to its common shares. The specified

period required is as follows:

· annual general meeting—60 days;

· extraordinary shareholders' meeting—30 days; and

· relevant record date—5 days.

#### Annual Financial Statements

At least ten days before the annual general meeting, HoldCo' annual financial statements, which are prepared in conformity with Taiwan IFRS, must be available at our principal executive office in Kaohsiung, Taiwan for inspection by the shareholders.

#### Transfer of Common Shares

The transfer of common shares in registered form is effected by endorsement and delivery of the related share certificates but, in order to assert shareholders' rights against HoldCo, the transferee must have his name and address registered on our register of shareholders. Shareholders are required to file their respective specimen seals, also known as chops, with us. Chops are official stamps widely used in Taiwan by individuals and other entities to authenticate the execution of official and commercial documents. The settlement of trading in our common shares is normally carried out on the book-entry system maintained by the Taiwan Depository & Clearing Corporation.

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### Acquisition of Common Shares by HoldCo

Under the ROC Securities and Exchange Law, HoldCo may purchase its own common shares for treasury stock in limited circumstances, including:

- to transfer shares to HoldCo' employees;
- to deliver shares upon the conversion or exercise of bonds with warrants, preferred shares with warrants, convertible bonds, convertible preferred shares or warrants issued by HoldCo; and
- to maintain HoldCo's credit and shareholders' equity, provided that the shares so purchased shall be canceled.

HoldCo may purchase its common shares on the TWSE or by means of a public tender offer. These transactions require the approval of a majority of SPIL Board of directors at a meeting in which at least two-thirds of the directors are in attendance. The total amount of common shares purchased for treasury stock may not exceed 10.0% of the total issued shares. In addition, the total cost of the purchased shares shall not exceed the aggregate amount of our retained earnings, any premium from share issuances and the realized portion of HoldCo' capital reserve.

HoldCo may not pledge or hypothecate any of our shares purchased by us. In addition, it may not exercise any shareholders' right attaching to such shares. In the event that HoldCo purchases its shares on the TWSE, its affiliates, directors, supervisors, managers, and their respective spouses and minor children and/or nominees are prohibited from selling any of HoldCo' shares during the period in which HoldCo is purchasing our shares.

Pursuant to the ROC Company Law, an entity in which HoldCo directly or indirectly owns more than 50.0% of the voting shares or paid-in capital, which is referred to as a controlled entity, may not purchase our shares. Also, if our company and a controlled entity jointly own, directly or indirectly, more than 50.0% of the voting shares or paid-in capital of another entity, which is referred to as a third entity, the third entity may not purchase shares in either our company or a controlled entity.

### Liquidation Rights

In the event of our liquidation, the assets remaining after payment of all debts, liquidation expenses and taxes will be distributed pro rata to the shareholders in accordance with the relevant provisions of the ROC Company Law and our

Articles of Incorporation.

Transfer Restrictions

Substantial Shareholders

The ROC Securities and Exchange Law currently requires:

each director, supervisor, manager, or substantial shareholder (that is, a shareholder who holds more than 10.0% shares of a company), and their respective spouses, minor children or nominees, to report any change in that person's shareholding to the issuer of the shares and the FSC; and

each director, supervisor, manager, or substantial shareholder, and their respective spouses, minor children or nominees, after acquiring the status of director, supervisor, manager, or substantial shareholder for a period of six months, to report his or her intent to transfer any shares on the TWSE to the FSC at least three days before the intended transfer, unless the number of shares to be transferred does not exceed 10,000 shares.

In addition, the number of shares that can be sold or transferred on the TWSE by any person subject to the restrictions described above on any given day may not exceed:

0.2% of the outstanding shares of the company in the case of a company with no more than 30 million outstanding shares; or

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0.2% of 30 million shares plus 0.1% of the outstanding shares exceeding 30 million shares in the case of a company with more than 30 million outstanding shares; or

in any case, 5.0% of the average trading volume (number of shares) on the TWSE for the ten consecutive trading days preceding the reporting day on which the director, supervisor, manager or substantial shareholder reports the intended share transfer to the FSC.

These restrictions do not apply to sales or transfers of HoldCo ADSs.

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Description of HoldCo American Depositary Shares

Citibank, N.A. has agreed to act as the depository bank for the HoldCo American Depositary Shares. Citibank when acting as depository bank for the HoldCo American Depositary Shares is referred to as the “depository bank” or as the “HoldCo Depository.” Citibank’s depository offices are located at 388 Greenwich Street, New York, New York 10013. The HoldCo American Depositary Shares are referred to as “ADSs” or “HoldCo ADSs” and represent ownership interests in securities that are on deposit with the HoldCo Depository. The HoldCo ADSs may be represented by certificates that are commonly known as “American Depositary Receipts” or “ADRs.” The depository bank typically appoints a custodian to safe keep the securities on deposit. In this case, the custodian is Citibank Taiwan Ltd., located at 9F, No. 16 Nanking East Road, Section 4, Taipei 10553, Taiwan, ROC.

HoldCo will appoint Citibank as depository bank pursuant to a deposit agreement (the “HoldCo Deposit Agreement”). A copy of the HoldCo Deposit Agreement is on file with the SEC under cover of a Registration Statement on Form F-6 (Reg No.333-214753). You may obtain a copy of the HoldCo Deposit Agreement from the SEC’s Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549 and from the SEC’s website ([www.sec.gov](http://www.sec.gov)).

The following is a summary description of the material terms of HoldCo ADSs and of your material rights as an owner of HoldCo ADSs. Please remember that summaries by their nature lack the precision of the information summarized and that the rights and obligations of an owner of HoldCo ADSs will be determined by reference to the terms of the HoldCo Deposit Agreement and not by this summary. We urge you to review the HoldCo Deposit Agreement in its entirety. The portions of this summary description that are italicized describe matters that may be relevant to the ownership of HoldCo ADSs but that may not be contained in the HoldCo Deposit Agreement.

Each HoldCo ADS represents the right to receive, and to exercise the beneficial ownership interests in, two HoldCo Common Shares that are on deposit with the HoldCo Depository and/or custodian. An ADS also represents the right to receive, and to exercise the beneficial interests in, any other property received by the HoldCo Depository or the custodian on behalf of the owner of the ADS but that has not been distributed to the owners of HoldCo ADSs because of legal restrictions or practical considerations. The custodian, the HoldCo Depository and their respective nominees will hold all deposited property for the benefit of the holders and beneficial owners of HoldCo ADSs. The deposited property does not constitute the proprietary assets of the HoldCo Depository, the custodian or their nominees. Beneficial ownership in the deposited property will under the terms of the HoldCo Deposit Agreement be vested in the beneficial owners of the HoldCo ADSs. The HoldCo Depository, the custodian and their respective nominees will be the record holders of the deposited property represented by the HoldCo ADSs for the benefit of the holders and beneficial owners of the corresponding HoldCo ADSs. A beneficial owner of HoldCo ADSs may or may not be the holder of HoldCo ADSs. Beneficial owners of HoldCo ADSs will be able to receive, and to exercise beneficial ownership interests in, the deposited property only through the registered holders of the HoldCo ADSs, the registered holders of the HoldCo ADSs (on behalf of the applicable ADS owners) only through the HoldCo Depository, and the HoldCo Depository (on behalf of the owners of the corresponding HoldCo ADSs) directly, or indirectly, through the custodian or their respective nominees, in each case upon the terms of the HoldCo Deposit Agreement.



If you become an owner of HoldCo ADSs, you will become a party to the HoldCo Deposit Agreement and therefore will be bound to its terms and to the terms of any HoldCo American Depositary Receipt (“HoldCo ADR”) that evidences your HoldCo ADSs. The HoldCo Deposit Agreement and the HoldCo ADR specify the rights and obligations of HoldCo as well as your rights and obligations as owner of HoldCo ADSs and those of the HoldCo Depositary. As an ADS holder you appoint the HoldCo Depositary to act on your behalf in certain circumstances. The HoldCo Deposit Agreement and the HoldCo ADRs are governed by New York law. However, the obligations of HoldCo to the holders of common shares will continue to be governed by ROC laws, which may be different from the laws in the United States. In addition, we note that ROC law and regulations may restrict the deposit and withdrawal of the common shares into or from the depositary receipt facilities.

*Under the laws and regulations of the ROC, as currently in effect, after the Initial Deposit (as defined below), without obtaining regulatory approval from the FSC, no common shares may be accepted for deposit and no HoldCo ADSs may be issued under the terms of the HoldCo Deposit Agreement except in the following circumstances:*

- (1) upon a stock dividend on, or a free distribution of, shares to existing shareholders;

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(2) upon the exercise by existing shareholders of their preemptive rights in connection with capital increases for cash;

(3) subject in each case to receipt of all applicable approvals in the ROC, the issuance of shares by us to holders of bonds in connection with the exercise of conversion rights of such bond holders; and

as permitted under the HoldCo Deposit Agreement, the purchase directly by a person or through the depository of shares on the TWSE or the delivery by any person of shares held by such person for deposit in the depository receipt facility provided that the total number of HoldCo ADSs outstanding after an issuance described in clause (4) does not exceed the number of HoldCo ADSs issued and previously approved by the ROC FSC in connection with the offering plus any HoldCo ADSs created under clauses (1), (2) and (3) described above.

Under the laws and regulations of the ROC, the shares deposited under the HoldCo Deposit Agreement may be withdrawn upon cancellation of the corresponding HoldCo ADSs pursuant to the HoldCo Deposit Agreement subject to the following conditions:

the appointment of an eligible agent in the ROC to open (1) a securities trading account with an ROC brokerage firm with ROC approval and (2) a bank account to pay ROC taxes, remit funds, exercise shareholders' rights and perform such other functions as you may designate upon such withdrawal;

the appointment of a tax guarantor in the ROC; and

the appointment of a custodian bank to hold the securities in safekeeping, make confirmations, settle trades and report relevant information.

In addition, you will be required to register with the TWSE for making investments in the ROC securities market and obtain a foreign investor investment identification prior to withdrawing common shares.

As an owner of HoldCo ADSs, you may hold your HoldCo ADSs by means of a HoldCo ADR registered in your name, or through a brokerage or safekeeping account, or through an account established by the HoldCo Depository in your name reflecting the registration of uncertificated HoldCo ADSs directly on the books of the HoldCo Depository (commonly referred to as the "direct registration system" or "DRS"). The direct registration system reflects the uncertificated (book-entry) registration of ownership of HoldCo ADSs by the HoldCo Depository. Under the direct registration system, ownership of HoldCo ADSs is evidenced by periodic statements issued by the HoldCo Depository to the holders of the HoldCo ADSs. The direct registration system includes automated transfers between the HoldCo Depository and DTC, the central book-entry clearing and settlement system for equity securities in the United States. If you decide to hold your HoldCo ADSs through your brokerage or safekeeping account, you must rely on the procedures of your broker or bank to assert your rights as ADS owner. Banks and brokers typically hold securities such as the HoldCo ADSs through clearing and settlement systems such as DTC. The procedures of such clearing and

settlement systems may limit your ability to exercise your rights as an owner of HoldCo ADSs. Please consult with your broker or bank if you have any questions concerning these limitations and procedures. All HoldCo ADSs held through DTC will be registered in the name of a nominee of DTC. This summary description assumes you have opted to own the HoldCo ADSs directly by means of a HoldCo ADS registered in your name and, as such, we will refer to you as the “holder.” When we refer to “you,” we assume the reader owns HoldCo ADSs and will own HoldCo ADSs at the relevant time.

The registration of the common shares in the name of the HoldCo Depositary or the custodian shall, to the maximum extent permitted by applicable law, vest in the HoldCo Depositary or the custodian the record ownership in the applicable common shares with the beneficial ownership rights and interests in such common shares being at all times vested with the beneficial owners of the HoldCo ADSs representing the common shares. The HoldCo Depositary or the custodian shall at all times be entitled to exercise the beneficial ownership rights in all deposited property, in each case only on behalf of the holders and beneficial owners of the HoldCo ADSs representing the deposited property.

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### Dividends and Distributions

As a holder of HoldCo ADSs, you generally have the right to receive the distributions we make on the securities deposited with the custodian. Your receipt of these distributions may be limited, however, by practical considerations and legal limitations. Holders of HoldCo ADSs will receive such distributions under the terms of the HoldCo Deposit Agreement in proportion to the number of HoldCo ADSs held as of the specified record date, after deduction the applicable fees, taxes and expenses.

### Distributions of Cash

Whenever HoldCo makes a cash distribution for the securities on deposit with the custodian, it will deposit the funds with the custodian. Upon receipt of confirmation of the deposit of the requisite funds, the HoldCo Depositary will arrange for the funds to be converted into U.S. dollars and for the distribution of the U.S. dollars to the holders, subject to ROC law and regulations.

The conversion into U.S. dollars will take place only if practicable and if the U.S. dollars are transferable to the United States. The HoldCo Depositary will apply the same method for distributing the proceeds of the sale of any property (such as undistributed rights) held by the custodian in respect of securities on deposit.

The distribution of cash will be made net of the fees, expenses, taxes and governmental charges payable by holders under the terms of the HoldCo Deposit Agreement. The HoldCo Depositary will hold any cash amounts it is unable to distribute in a non-interest bearing account for the benefit of the applicable holders and beneficial owners of HoldCo ADSs until the distribution can be effected or the funds that the HoldCo Depositary holds must be escheated as unclaimed property in accordance with the laws of the relevant states of the United States.

### Distributions of Shares

Whenever HoldCo makes a free distribution of common shares for the securities on deposit with the custodian, we will deposit the applicable number of common shares with the custodian. Upon receipt of confirmation of such deposit, the HoldCo Depositary will either distribute to holders new HoldCo ADSs representing the common shares deposited or modify the HoldCo ADS-to-common shares ratio, in which case each HoldCo ADS you hold will represent rights and interests in the additional common shares so deposited. Only whole new HoldCo ADSs will be distributed. Fractional entitlements will be sold and the proceeds of such sale will be distributed as in the case of a cash distribution.

The distribution of new HoldCo ADSs or the modification of the HoldCo ADS-to-common share ratio upon a distribution of common shares will be made net of the fees, expenses, taxes and governmental charges payable by holders under the terms of the HoldCo Deposit Agreement. In order to pay such taxes or governmental charges, the HoldCo Depositary may sell all or a portion of the new common shares so distributed.

No such distribution of new HoldCo ADSs will be made if it would violate a law (*i.e.*, the U.S. securities laws) or if it is not operationally practicable. If the HoldCo Depositary does not distribute new HoldCo ADSs as described above, it may sell the common shares received upon the terms described in the HoldCo Deposit Agreement and will distribute the proceeds of the sale as in the case of a distribution of cash.

### Distributions of Rights

Whenever HoldCo intends to distribute rights to purchase additional common shares, we will give prior notice to the HoldCo Depositary and we will assist the HoldCo Depositary in determining whether it is lawful and reasonably practicable to distribute rights to purchase additional HoldCo ADSs to holders.

The HoldCo Depositary will establish procedures to distribute rights to purchase additional HoldCo ADSs to holders and to enable such holders to exercise such rights if it is lawful and reasonably practicable to make the rights available to holders of HoldCo ADSs, and if we provide all of the documentation contemplated in the HoldCo Deposit Agreement (such as opinions to address the lawfulness of the transaction). You may have to pay fees, expenses, taxes and other governmental charges to subscribe for the new HoldCo ADSs upon the exercise of your rights. The HoldCo Depositary is not obligated to establish procedures to facilitate the distribution and exercise by holders of rights to purchase new common shares other than in the form of HoldCo ADSs.

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The HoldCo Depositary will *not* distribute the rights to you if:

HoldCo does not timely request that the rights be distributed to you or we request that the rights not be distributed to you; or

HoldCo fails to deliver satisfactory documents to the HoldCo Depositary; or

It is not reasonably practicable to distribute the rights.

The HoldCo Depositary will sell the rights that are not exercised or not distributed if such sale is lawful and reasonably practicable. The proceeds of such sale will be distributed to holders as in the case of a cash distribution. If the HoldCo Depositary is unable to sell the rights, it will allow the rights to lapse.

Elective Distributions

Whenever HoldCo intends to distribute a dividend payable at the election of shareholders either in cash or in additional shares, it will give prior notice thereof to the HoldCo Depositary and will indicate whether we wish the elective distribution to be made available to you. In such case, we will assist the HoldCo Depositary in determining whether such distribution is lawful and reasonably practicable.

The HoldCo Depositary will make the election available to you only if it is reasonably practicable and if we have provided all of the documentation contemplated in the HoldCo Deposit Agreement. In such case, the HoldCo Depositary will establish procedures to enable you to elect to receive either cash or additional HoldCo ADSs, in each case as described in the HoldCo Deposit Agreement.

If the election is not made available to you, you will receive either cash or additional HoldCo ADSs, depending on what a shareholder in the ROC would receive upon failing to make an election, as more fully described in the HoldCo Deposit Agreement.

Other Distributions

Whenever HoldCo intends to distribute property other than cash, common shares or rights to purchase additional common shares, it will notify the HoldCo Depositary in advance and will indicate whether we wish such distribution to be made to you. If so, HoldCo will assist the HoldCo Depositary in determining whether such distribution to holders is lawful and reasonably practicable.

If it is reasonably practicable to distribute such property to you and if HoldCo provides all of the documentation contemplated in the HoldCo Deposit Agreement, the HoldCo Depositary will distribute the property to the holders in a manner it deems practicable.

The distribution will be made net of fees, expenses, taxes and governmental charges payable by holders under the terms of the HoldCo Deposit Agreement. In order to pay such taxes and governmental charges, the HoldCo Depositary may sell all or a portion of the property received.

The HoldCo Depositary will *not* distribute the property to you and will sell the property if:

· HoldCo does not request that the property be distributed to you or if we ask that the property not be distributed to you; or

· HoldCo does not deliver satisfactory documents to the HoldCo Depositary; or

· The HoldCo Depositary determines that all or a portion of the distribution to you is not reasonably practicable.

The proceeds of such a sale will be distributed to holders as in the case of a cash distribution.

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### Redemption

Whenever HoldCo decides to redeem any of the securities on deposit with the custodian, it will notify the HoldCo Depositary in advance. If it is practicable and if HoldCo provides all of the documentation contemplated in the HoldCo Deposit Agreement, the HoldCo Depositary will provide notice of the redemption to the holders.

The custodian will be instructed to surrender the shares being redeemed against payment of the applicable redemption price. The HoldCo Depositary will convert the redemption funds received into U.S. dollars upon the terms of the HoldCo Deposit Agreement and will establish procedures to enable holders to receive the net proceeds from the redemption upon surrender of their HoldCo ADSs to the HoldCo Depositary. You may have to pay fees, expenses, taxes and other governmental charges upon the redemption of your HoldCo ADSs. If less than all HoldCo ADSs are being redeemed, the HoldCo ADSs to be retired will be selected by lot or on a pro rata basis, as the HoldCo Depositary may determine.

### Changes Affecting Common Shares

The common shares of HoldCo held on deposit for your HoldCo ADSs may change from time to time. For example, there may be a change in nominal or par value, split-up, cancellation, consolidation or any other reclassification of such common shares or a recapitalization, reorganization, merger, consolidation or sale of assets of HoldCo.

If any such change were to occur, your HoldCo ADSs would, to the extent permitted by law, represent the right to receive the property received or exchanged in respect of the common shares held on deposit. The HoldCo Depositary may in such circumstances deliver new HoldCo ADSs to you, amend the HoldCo Deposit Agreement, the HoldCo ADRs and the applicable Registration Statement(s) on Form F-6, call for the exchange of your existing HoldCo ADSs for new HoldCo ADSs and take any other actions that are appropriate to reflect as to the HoldCo ADSs the change affecting the common shares of HoldCo. If the HoldCo Depositary may not lawfully distribute such property to you, the HoldCo Depositary may sell such property and distribute the net proceeds to you as in the case of a cash distribution.

### Issuance of HoldCo ADSs upon Deposit of Common Shares

*The initial deposit of shares by HoldCo in connection with this Share Exchange will be made by the delivery to the custodian of common shares of HoldCo in book-entry form, which shares will be registered in the name of the depositary or its nominee, as representatives of the holders of the HoldCo ADSs. Any future deposits of new shares for*



*cash by HoldCo in connection with any new HoldCo ADS offering will be made by the delivery to the custodian of a Certificate of Payment evidencing the right to receive the underlying common shares of HoldCo in book-entry form, which shares will be registered in the name of the depositary or its nominee, as representatives of the holders of the HoldCo ADSs, until the underlying common shares initially evidenced by scripless certificates of payment in the form of a master certificate of payment are listed on the TWSE. In practice, no later than the second ROC business day following the closing day of any new future HoldCo ADSs offering (the "Closing Date"), we will apply to the TWSE for listing of the Individual Scripless Certificate of Payment. Generally, the TWSE will approve the listing of the Individual Scripless Certificates of Payment on the fifth ROC business day following the Closing Date. Immediately upon such listing, the Certificate of Payment we deliver to the depositary's custodian on the Closing Date will be replaced by the Individual Scripless Certificates of Payment. The initial deposit of shares by HoldCo in connection with the Share Exchange are collectively referred to herein as the "Initial Deposit."*

*Under the ROC Securities and Exchange Law and applicable regulations, we are required to deliver the underlying shares in physical certificate form or scripless form to the custodian within thirty days after receiving approval from the relevant governmental authority of our corporate amendment registration. We are required under the ROC Company Law to file an amendment to our corporate registration within fifteen days after receiving the proceeds from any new offerings of HoldCo ADSs. Prior to the issue of the underlying shares in physical certificate form or scripless form, we will apply for and obtain approval to list the underlying shares on the TWSE. Until the underlying shares have been so issued and delivered, the HoldCo ADSs will represent shares evidenced by the Certificate of Payment (from the Closing Date to the date immediately prior to the listing of the Individual Scripless Certificates of Payment) or the Individual Scripless Certificates of Payment on or after the date of listing of the Individual Scripless Certificates of Payment. In case of a withdrawal of the underlying shares, such holders will be entitled to the same rights as if the depositary were holding the underlying shares in physical certificate form or*

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*scripless form. The Individual Scripless Certificates of Payment, which are without physical form and are issued only in book-entry form through Taiwan Depository & Clearing Corporation, the book-entry settlement system of the ROC, carry the same rights as those attaching to the shares in respect of dividends and are eligible for trading on the TWSE in the same manner as the shares.*

Subject to limitations set forth in the HoldCo Deposit Agreement, after the Initial Deposit, the depository may create HoldCo ADSs on your behalf if you or your broker deposit shares with the custodian. The depository will deliver these HoldCo ADSs to the person you indicate only after you pay any applicable issuance fees and any charges and taxes payable for the transfer of the shares to the custodian and you provide the applicable deposit certification. Your ability to deposit shares and receive HoldCo ADSs may be limited by U.S. and ROC legal considerations applicable at the time of deposit.

*Under current ROC law, after the Initial Deposit, no deposits of shares may be made in a depository receipt facility, and no HoldCo ADSs may be issued against such deposits, without specific approval of the FSC, except in connection with the offering and the issuance of additional HoldCo ADSs in connection with (i) dividends on, or free distributions of, shares, (ii) the exercise by holders of existing HoldCo ADSs of their preemptive rights in the event of capital increases for cash, (iii) subject in each case to receipt of all applicable approvals in the ROC, the issuance of shares by HoldCo to holders of convertible bonds in connection with the exercise of conversion rights of such bond holders, and (iv) to the extent that previously issued HoldCo ADSs have been canceled, reissuances of HoldCo ADSs up to an aggregate number of outstanding HoldCo ADSs equal to the total number of HoldCo ADSs (subject to adjustment for the issuances described in clauses (i), (ii) and (iii)) that were originally approved by the FSC and issued in connection with the offering; provided that the depository will refuse to accept common shares for deposit under clause (iv) if such deposit is not permitted under any restriction notified by the company to the depository from time to time, which restriction may specify blackout periods during which deposits may not be made, time periods during which deposits may be made, and minimum size and frequency of deposits.*

The depository and the custodian will refuse to accept shares for deposit whenever they are notified in writing that such deposit would result in any violation of applicable laws, including ownership restrictions under the laws of the ROC. In addition, the depository will refuse to accept shares for deposit under clause (iv) of the immediately preceding paragraph if such deposit is not permitted under any restriction notified by HoldCo to the depository from time to time, which restriction may specify blackout periods during which deposits may not be made, time periods during which deposits may be made, and minimum and maximum size and frequency of deposits.

The issuance of HoldCo ADSs may be delayed until the depository or the custodian receives confirmation that all required approvals have been given and that the shares have been duly transferred to the custodian. The depository will only issue HoldCo ADSs in whole numbers.

When you make a deposit of HoldCo Common Shares, you will be responsible for transferring good and valid title to the HoldCo Depositary. As such, you will be deemed to represent and warrant that:

· The HoldCo Common Shares are duly authorized, validly issued, fully paid, non-assessable and legally obtained.

· All preemptive (and similar) rights, if any, with respect to such common shares have been validly waived or exercised.

· You are duly authorized to deposit HoldCo Common Shares.

· The HoldCo Common Shares presented for deposit are free and clear of any lien, encumbrance, security interest, charge, mortgage or adverse claim, and are not, and the HoldCo ADSs issuable upon such deposit will not be, “restricted securities” (as defined in the HoldCo Deposit Agreement).

· The common shares presented for deposit have not been stripped of any rights or entitlements.

If any of the representations or warranties are incorrect in any way, we and the HoldCo Depositary may, at your cost and expense, take any and all actions necessary to correct the consequences of the misrepresentations.

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Transfer, Combination and Split Up of HoldCo ADRs

As a HoldCo ADR holder, you will be entitled to transfer, combine or split up your HoldCo ADRs and the HoldCo ADSs evidenced thereby. For transfers of HoldCo ADRs, you will have to surrender the HoldCo ADRs to be transferred to the HoldCo Depository and also must:

- ensure that the surrendered HoldCo ADR is properly endorsed or otherwise in proper form for transfer;
- provide such proof of identity and genuineness of signatures as the HoldCo Depository deems appropriate;
- provide any transfer stamps required by the State of New York or the United States; and

pay all applicable fees, charges, expenses, taxes and other government charges payable by HoldCo ADR holders pursuant to the terms of the HoldCo Deposit Agreement, upon the transfer of HoldCo ADRs.

To have your HoldCo ADRs either combined or split up, you must surrender the HoldCo ADRs in question to the HoldCo Depository with your request to have them combined or split up, and you must pay all applicable fees, charges and expenses payable by HoldCo ADR holders, pursuant to the terms of the HoldCo Deposit Agreement, upon a combination or split up of HoldCo ADRs.

Withdrawal of Common Shares Upon Cancellation of HoldCo ADSs

*On or after approximately the fifth ROC business day from a Closing Date for any future HoldCo ADS offering, with regard to such HoldCo ADSs issued on the Closing Date, subject to the approval from the TWSE of the listing of the Individual Scripless Certificates of Payment and the relevant provisions of the HoldCo Deposit Agreement, a holder may apply to withdraw the underlying shares or, as the case may be, the Individual Scripless Certificates of Payment, or request Citibank, N.A., as Depository, acting pursuant to the HoldCo Deposit Agreement, to sell or cause to be sold on behalf of such holders of the underlying shares or, as the case may be, the Individual Scripless Certificates of Payment. The Individual Scripless Certificates of Payment, which are without physical form and settle through the book-entry system, carry the same rights as those attaching to the underlying shares in respect of dividends and are eligible for trading on the TWSE in the same manner as the underlying shares. Your ability to withdraw the shares may be limited by U.S. and ROC law considerations applicable at the time of withdrawal.*

*Under current ROC law, if you (other than PRC persons except for qualified domestic institutional investors in the PRC) wish to withdraw and hold underlying shares from a depositary receipt facility, you will be required to appoint an eligible agent in the ROC to open a securities trading account with a local brokerage firm (after receiving an approval from the TWSE) and a bank account (the securities trading account and the bank account are collectively referred to as “ the Accounts”, to pay ROC taxes, remit funds, exercise shareholders’ rights and perform such other functions as you may designate upon such withdrawal. In addition, you will be required to appoint a custodian bank to hold the securities in safekeeping, make confirmation and settle trades and report all relevant information. Without the opening of such Accounts, the withdrawing owner would be unable to hold or subsequently sell the underlying shares withdrawn from the depositary receipt facility on the TWSE or otherwise. In addition, you will be required to register with the TWSE for making investments in the ROC securities market prior to withdrawing shares. These laws may change from time to time. We cannot assure you that current ROC law will remain in effect or that future changes in ROC law will not adversely affect your ability to withdraw our shares from the HoldCo ADS facility.*

*Holders of HoldCo ADSs withdrawing shares represented by HoldCo ADSs are also required under current ROC law and regulations to appoint an agent in the ROC for filing tax returns and making tax payments. Such agent must meet certain qualifications set by the ROC Financial Supervisory Commission and, upon appointment, becomes a guarantor of such withdrawing owner’s ROC tax obligations. Evidence of the appointment of such agent and the approval of such appointment by the ROC tax authorities may be required as conditions to such withdrawing holder’s repatriation of the proceeds from the sale of the withdrawn shares. There can be no assurance that such withdrawing holder will be able to appoint and obtain approval for such agent in a timely manner.*

Subject to the withdrawal of deposited property being permitted under ROC law and regulations, you may also request that our shares or Individual Scripless Certificates of Payment represented by your HoldCo ADSs be sold on your behalf. The depositary may require that you deliver your request for sale in writing. Any sale of our shares will

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be conducted according to applicable ROC law through a securities company in the ROC on the TWSE or in another manner as is permitted under applicable ROC law. Any sale will be at your risk and expense. You may also be required to enter into a separate agreement to cover the terms of the sale of our shares or Individual Scripless Certificates of Payment.

Upon receipt of any proceeds from any sale, subject to any restrictions imposed by ROC law and regulations, the depositary shall convert the proceeds into US dollars and distribute the proceeds to you, net of any fees, expenses, taxes or governmental charges (including, without limitation, any ROC and U.S. taxes) incurred in connection with the sale.

*Although sales of HoldCo ADSs by a non-resident individual or a corporation that has no fixed place of business or other permanent establishment or business agent in the territory of the ROC are not currently subject to ROC taxation, sales of HoldCo Common Shares or Individual Scripless Certificates of Payment by such individual or corporation will be subject to a securities transaction tax in the ROC.*

In order to withdraw or instruct the sale of the shares or Individual Scripless Certificates of Payment represented by your HoldCo ADSs, you will be required to pay to the depositary the fees for cancellation of HoldCo ADSs and any charges and taxes payable upon the transfer of the shares or Individual Scripless Certificates of Payment being withdrawn and you will be required to provide to the depositary the applicable withdrawal certification. You assume the risk for delivery of all funds and securities upon withdrawal. Once canceled, the HoldCo ADSs will not have any rights under the HoldCo Deposit Agreement.

*You will not be entitled to withdraw or instruct the sale of interests in any certificate(s) of payment representing shares underlying HoldCo ADSs until on or about the fifth ROC business day following the Closing Date of a future HoldCo ADS offering.*

If you hold a HoldCo ADR registered in your name, the depositary may ask you to provide proof of identity and genuineness of any signature and such other documents as the depositary may deem appropriate before it will cancel your HoldCo ADSs. The withdrawal of the shares or Individual Scripless Certificates of Payment represented by your HoldCo ADSs may be delayed until the depositary receives satisfactory evidence of compliance with all applicable laws and regulations. Please keep in mind that the depositary will only accept HoldCo ADSs for cancellation that represent a whole number of securities on deposit.

ASE currently has, and upon completion of the Share Exchange, HoldCo will have, reporting obligations under ROC law in respect of the HoldCo ADS facility. In order to enable us to gather the information necessary for these reporting obligations, you will be asked to complete and sign a certification upon withdrawal of shares or Individual

Scripless Certificates of Payment from the HoldCo ADS facility. In this certification you will be asked to disclose, among other information, the name, nationality and address of the beneficial owner of the HoldCo ADSs presented for cancellation, the number of shares owned by the beneficial owner and whether certain affiliations exist between the beneficial owner and us. The depository will refuse to release shares or Individual Scripless Certificates of Payment to you until you deliver a completed and signed certification to it.

In addition, the depository shall not deliver interests in certificate(s) of payment or shares to a surrendering holder of HoldCo ADSs unless such holder presents evidence of payment of any securities transaction tax which may be imposed under ROC law unless we shall have advised the depository that no such tax is assessable in connection with the withdrawal of the individual certificate(s) of payment or shares hereunder.

If the shares or Individual Scripless Certificates of Payment are withdrawn from the depository facility, such holder will be required to provide information to enable HoldCo's compliance with its obligations set forth under the laws and regulations of the ROC, including a certification that:

- the holder is or is not a "related person," as such term is defined in the HoldCo Deposit Agreement, to us;

the holder will own a certain number of our shares after cancellation of the HoldCo ADSs surrendered thereby, as well as a certain number of HoldCo ADSs representing our shares after cancellation of the HoldCo ADSs surrendered thereby;

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the holder, or the person on whose account he acts, is the beneficial owner of the HoldCo ADSs surrendered to the HoldCo Depositary thereby;

the name, address and nationality of the beneficial owner of the HoldCo ADSs, as included upon presentation of HoldCo ADSs for cancellation, is true and correct;

the number of HoldCo ADSs surrendered and the number of shares withdrawn, as included upon presentation of HoldCo ADSs for cancellation, is true and correct; and

if the presenter is a broker-dealer, the owner of the account for which he is acting has confirmed the accuracy of the above representations.

In addition, you may be required to certify to other information that we or the HoldCo Depositary may deem necessary or desirable to comply with any ROC disclosure or reporting requirement. *The depositary will refuse to release Shares or the certificate(s) of payment to you until you deliver a completed and signed certification to it.*

You will have the right to withdraw the securities represented by your HoldCo ADSs at any time except for:

Temporary delays that may arise because (i) the transfer books for the common shares or HoldCo ADSs are closed, or (ii) common shares are immobilized on account of a shareholders' meeting or a payment of dividends.

Obligations to pay fees, taxes and similar charges.

Restrictions imposed because of laws or regulations applicable to HoldCo ADSs or the withdrawal of securities on deposit.

Other instructions specifically contemplated by Instruction (1) of the General Instructions to Form F-6 (as may be amended from time to time).

No common shares may be withdrawn upon presentation of HoldCo ADSs (and if applicable, the HoldCo ADRs evidencing such HoldCo ADSs) for cancellation until (i) HoldCo has delivered written confirmation that the number of Shares requested for withdrawal have been listed for trading on the TWSE (such Shares, the "Listed Shares") to the depositary and the custodian, (ii) the Listed Shares have been de-materialised (such Shares, the "De-Materialised Shares," and Shares that are both Listed Shares and De-Materialised Shares, hereinafter referred to as the "Final Shares"), and (iii) an equivalent number of Final Shares are available at the facilities of the custodian. HoldCo has informed the depositary that it is expected newly issued common shares which may be deposited by HoldCo from time to time



which are not listed for trading on the TWSE at the time of such deposit will be listed on the TWSE for trading and will be fully de-materialised, thereby becoming Final Shares, no later than 5 ROC business days calendar days after any such deposit. The depositary will deliver common shares represented by HoldCo ADSs (and if applicable, the HoldCo ADRs representing such HoldCo ADSs) presented for cancellation only to the extent of the number of Final Shares then on deposit with the custodian, the depositary will process presentations of HoldCo ADSs for withdrawal of Final Shares on a first come, first served basis, the depositary will complete requests for cancellation of HoldCo ADSs and withdrawal of the common shares represented only to the extent of the number of Final Shares at such time on deposit with the custodian, the depositary will refuse to complete a request for cancellation of HoldCo ADSs and withdrawal of common shares to the extent the number of common shares requested for withdrawal exceeds the number of Final Shares at such time deposited with the custodian, and the depositary reserves the right to suspend withdrawals of common shares until such time as the requisite number of Final Shares are deposited with the custodian.

The HoldCo Deposit Agreement may not be modified to impair your right to withdraw the securities represented by your HoldCo ADSs except to comply with mandatory provisions of law.

#### Voting Rights

Except as described below, you generally have no right under the HoldCo Deposit Agreement to instruct the depositary to exercise the voting rights for the Shares represented by your HoldCo ADSs. Instead, by accepting HoldCo ADSs or any beneficial interest in HoldCo ADSs, you will be deemed to have authorized and directed the

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depository to appoint our Chairman or his designee to represent you at our shareholders' meeting and to vote, without liability, the common shares of HoldCo deposited with the custodian according to the terms of the HoldCo ADSs. The voting rights of holders of Shares are described in "Description of HoldCo Common Shares — Voting Rights."

The depository will distribute to you notices of shareholders' meetings received from HoldCo together with information explaining how to instruct the depository to exercise the voting rights of the securities represented by HoldCo ADSs.

If HoldCo fails to timely provide the depository with its notice of meeting or other materials related to any meeting of owners of Shares, the depository will endeavor to cause all the deposited securities represented by HoldCo ADSs to be present at the applicable meeting, insofar as practicable and permitted under applicable law, but will not cause those securities to be voted. *According to the ROC Company Law, except under limited circumstances described below, generally a shareholder's voting rights must, as to all matters brought to a vote of shareholders, be exercised as to all shares held by the shareholder in the same manner, except in the case of an election of directors (including independent directors), which may be conducted by means of cumulative voting or other mechanisms adopted in our Articles of Incorporation. Pursuant to ROC Company Law and our Articles of Incorporation, the election of directors (including independent directors) is by means of cumulative voting.*

If the depository timely receives voting instructions from holders of at least 51% of the outstanding HoldCo ADSs to vote in the same manner regarding one or more resolutions to be considered at the meeting, including the election of directors, the depository will, subject to its receipt of satisfactory opinions of counsel, notify and instruct the Chairman of HoldCo or his designee of the instructions to attend the meeting and vote all the securities represented by the holders' HoldCo ADSs in accordance with the direction received from holders at least 51% of the outstanding HoldCo ADSs.

If HoldCo has timely provided the depository with the materials described in the applicable HoldCo Deposit Agreement and the depository has not timely received instructions from holders of at least 51% of the outstanding HoldCo ADSs to vote in the same direction regarding any resolution to be considered at the meeting, including the election of directors, and, provided the HoldCo Deposit Agreement allows the holder of HoldCo ADSs to exercise its voting right on an individual basis, and any other matter where ROC law does not require a holder of the common shares of HoldCo to vote all common shares of HoldCo in the same manner and subject to its receipt of satisfactory opinions of counsel, and the depository has secured satisfactory opinion of counsel, then you will be deemed to have authorized and directed the depository to give a discretionary proxy to the Chairman of HoldCo or his designee to attend and vote at the meeting the Shares represented by your HoldCo ADSs in any manner such person may wish (which may not be in the interests of holders) unless the Chairman, or such designated person, shall have informed the depository that he does not wish to be so authorized and directed.

## Proposal Rights

Holders of one percent or more of the total and issued outstanding common shares of HoldCo will be entitled to submit one written proposal each year for consideration at HoldCo's annual ordinary meeting of stockholders provided that (i) the proposal is in the Chinese language and does not exceed 300 Chinese characters, (ii) the proposal is submitted to us prior to the expiration of the period for submission of proposals (the "Submission Period") announced by us, (iii) only one (1) matter for consideration at our annual ordinary meeting of shareholders is allowed in each proposal, and (iv) the proposing shareholder shall attend, in person or by a proxy, such annual ordinary meeting whereat his or her or its proposal is to be discussed and such proposing shareholder, or his or her or its proxy, shall take part in the discussion of such proposal.

As the holder of HoldCo Common Shares, the depositary is entitled, provided the conditions of ROC law are satisfied, to submit only one (1) proposal each year in respect of all of the common shares held on deposit. Holders and beneficial owners of HoldCo ADSs do not under ROC law have individual rights to submit proposals to us but may be able to submit proposals to us for consideration at the annual ordinary meeting of shareholders if the beneficial owners (i) timely present their HoldCo ADSs to the depositary for cancellation pursuant to the terms of the HoldCo Deposit Agreement and become holders of HoldCo Common Shares in the ROC prior to the expiration of the Submission Period and prior to the applicable shareholder proposal record date, and (ii) otherwise satisfy the conditions of ROC law applicable to the submission of proposals to HoldCo for consideration at an annual ordinary meeting of our shareholders.

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The depositary will, if so requested by (a) beneficial owner(s) as of the applicable HoldCo ADS record date that own(s), individually or as a group, at least 51% of the HoldCo ADSs outstanding as of the applicable HoldCo ADS record date, submit to us for consideration at the annual ordinary meeting of HoldCo shareholders one (1) proposal each year, provided that certain terms and conditions as set forth in the HoldCo Deposit Agreement are met.

The depositary will not be obligated to provide to holders and beneficial owners of HoldCo ADSs any notices relating to the proposal rights, including, without limitation, notice of submission period, or the receipt of any proposal(s) from submitting holders, or of the holdings of any HoldCo ADSs by any persons, except that the depositary shall, upon a HoldCo ADS holder's request, inform such holder of the total number of HoldCo ADSs the issued.

Fees and Charges

As a HoldCo ADS holder, you will be required to pay the following fees under the terms of the HoldCo Deposit Agreement:

Service	Fees
· Issuance of HoldCo ADSs (e.g., an issuance upon a deposit of shares, upon a change in HoldCo ADS(s)-to-shares(s) ratio, or for any other reason), excluding issuances as a result of distributions of shares	Up to U.S. 5¢ per HoldCo ADS issued
· Cancellation of HoldCo ADSs (e.g., a cancellation of HoldCo ADSs for delivery of deposited shares, upon a change in the HoldCo ADS(s)-to-share(s) ratio, or for any other reason)	Up to U.S. 5¢ per HoldCo ADS canceled
· Distribution of cash dividends or other cash distributions (e.g., upon a sale of rights and other entitlements)	Up to U.S. 5¢ per HoldCo ADS held
· Distribution of HoldCo ADSs pursuant to (i) stock dividends or other free stock distributions, or (ii) an exercise of rights to purchase additional HoldCo ADSs	Up to U.S. 5¢ per HoldCo ADS held
· Distribution of securities other than HoldCo ADSs or rights to purchase additional HoldCo ADSs (e.g., spin-off shares)	Up to U.S. 5¢ per HoldCo ADS held
· HoldCo ADS Services	Up to U.S. 5¢ per HoldCo ADS held on the applicable record date(s) established by the HoldCo Depositary

As a HoldCo ADS holder you will also be responsible to pay certain charges such as:

- taxes (including applicable interest and penalties) and other governmental charges;

the registration fees as may from time to time be in effect for the registration of common shares on the share register and applicable to transfers of common shares to or from the name of the custodian, the HoldCo Depositary or any nominees upon the making of deposits and withdrawals, respectively;

- certain cable, telex and facsimile transmission and delivery expenses;

- the expenses and charges incurred by the HoldCo Depositary in the conversion of foreign currency;

the fees and expenses incurred by the HoldCo Depositary in connection with compliance with exchange control regulations and other regulatory requirements applicable to common shares, HoldCo ADSs and HoldCo ADRs; and

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the fees and expenses incurred by the HoldCo Depositary, the custodian or any nominee in connection with the servicing or delivery of deposited property.

HoldCo ADS fees and charges payable upon (i) the issuance of HoldCo ADSs and (ii) cancellation of HoldCo ADSs will be payable by the person to whom the HoldCo ADSs are so issued (in the case of HoldCo ADS issuances) and by the person whose HoldCo ADSs are being cancelled (in the case of HoldCo ADS cancellations). In the case of HoldCo ADSs issued by the HoldCo Depositary into DTC or held via DTC, the HoldCo ADS issuance and cancellation fees and charges will be payable by the DTC participant(s) receiving the HoldCo ADSs or whose HoldCo ADSs are being cancelled, as the case may be, on behalf of the beneficial owner(s) and will be charged by the DTC participant(s) to the account(s) of the applicable beneficial owner(s) in accordance with the procedures and practices of the DTC participant(s) as in effect at the time. HoldCo ADS fees and charges in respect of distributions and the HoldCo ADS service fee are charged to the holders as of the applicable HoldCo ADS record date. In the case of distributions of cash, the amount of the applicable HoldCo ADS fees and charges is deducted from the funds being distributed. In the case of (i) distributions other than cash and (ii) the HoldCo ADS service fee, holders as of the HoldCo ADS record date will be invoiced for the amount of the HoldCo ADS fees and charges and such HoldCo ADS fees and charges may be deducted from distributions made to holders of HoldCo ADSs. For HoldCo ADSs held through DTC, the HoldCo ADS fees and charges for distributions other than cash and the HoldCo ADS service fee may be deducted from distributions made through DTC, and may be charged to the DTC participants in accordance with the procedures and practices prescribed by DTC and the DTC participants in turn charge the amount of such HoldCo ADS fees and charges to the beneficial owners for whom they hold HoldCo ADSs.

In the event of refusal to pay the HoldCo Depositary fees, the HoldCo Depositary may, under the terms of the HoldCo Deposit Agreement, refuse the requested service until payment is received or may set off the amount of the HoldCo Depositary fees from any distribution to be made to the HoldCo ADS holder. Certain of the depositary fees and charges (such as the HoldCo ADS services fee) may become payable shortly after the Closing Date. Note that the fees and charges you may be required to pay may vary over time and may be changed by us and by the HoldCo Depositary. You will receive prior notice of such changes. The HoldCo Depositary may reimburse us for certain expenses incurred by us in respect of the HoldCo ADR program, by making available a portion of the HoldCo ADS fees charged in respect of the HoldCo ADR program or otherwise, upon such terms and conditions as we and the HoldCo Depositary agree from time to time.

The obligation of holders and beneficial owners to pay HoldCo ADS fees and charges shall survive the termination of the HoldCo Deposit Agreement.

## Amendments and Termination

HoldCo may agree with the HoldCo Depositary to modify the HoldCo Deposit Agreement at any time without your consent. HoldCo will undertake to give holders 30 days' prior notice of any modifications that would materially prejudice any of their substantial rights under the HoldCo Deposit Agreement. HoldCo will not consider to be

materially prejudicial to your substantial rights any modifications or supplements that are reasonably necessary for the HoldCo ADSs to be registered under the Securities Act or to be eligible for book-entry settlement, in each case without imposing or increasing the fees and charges you are required to pay. In addition, HoldCo may not be able to provide you with prior notice of any modifications or supplements that are required to accommodate compliance with applicable provisions of law.

You will be bound by the modifications to the HoldCo Deposit Agreement if you continue to hold your HoldCo ADSs after the modifications to the HoldCo Deposit Agreement become effective. The HoldCo Deposit Agreement cannot be amended to prevent you from withdrawing the common shares represented by your HoldCo ADSs (except as permitted by law).

We have the right to direct the HoldCo Depositary to terminate the HoldCo Deposit Agreement. Similarly, the HoldCo Depositary may in certain circumstances on its own initiative terminate the HoldCo Deposit Agreement. In either case, the HoldCo Depositary must give notice to the holders at least 30 days before termination. Until termination, your rights under the HoldCo Deposit Agreement will be unaffected.

After termination, the HoldCo Depositary will continue to collect distributions received (but will not distribute any such property until you request the cancellation of your HoldCo ADSs) and may sell the securities held on

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deposit. After the sale, the HoldCo Depositary will hold the proceeds from such sale and any other funds then held for the holders of HoldCo ADSs in a non-interest-bearing account. At that point, the HoldCo Depositary will have no further obligations to holders other than to account for the funds then held for the holders of HoldCo ADSs still outstanding (after deduction of applicable fees, taxes and expenses).

## Books of Depositary

The HoldCo Depositary will maintain HoldCo ADS holder records at its depositary office. You may inspect such records at such office during regular business hours but solely for the purpose of communicating with other holders in the interest of business matters relating to the HoldCo ADSs and the HoldCo Deposit Agreement.

The HoldCo Depositary will maintain in New York facilities to record and process the issuance, cancellation, combination, split-up and transfer of HoldCo ADSs. These facilities may be closed from time to time, to the extent not prohibited by law.

## Limitations on Obligations and Liabilities

The HoldCo Deposit Agreement limits HoldCo's obligations and the HoldCo Depositary's obligations to you. Please note the following:

HoldCo and the HoldCo Depositary are obligated only to take the actions specifically stated in the HoldCo Deposit Agreement without negligence or bad faith.

The HoldCo Depositary disclaims any liability for any failure to carry out voting instructions, for any manner in which a vote is cast or for the effect of any vote, provided it acts in good faith and in accordance with the terms of the HoldCo Deposit Agreement.

The HoldCo Depositary disclaims any liability for any failure to determine the lawfulness or practicality of any action, for the content of any document forwarded to you on our behalf or for the accuracy of any translation of such a document, for the investment risks associated with investing in common shares, for the validity or worth of the common shares, for any tax consequences that result from the ownership of HoldCo ADSs, for the credit worthiness of any third party, for allowing any rights to lapse under the terms of the HoldCo Deposit Agreement, for the timeliness of any of our notices or for our failure to give notice.



HoldCo and the HoldCo Depositary will not be obligated to perform any act that is inconsistent with the terms of the HoldCo Deposit Agreement.

HoldCo and the HoldCo Depositary disclaim any liability if we or the HoldCo Depositary are prevented or forbidden from or subject to any civil or criminal penalty or restraint on account of, or delayed in, doing or performing any act or thing required by the terms of the HoldCo Deposit Agreement, by reason of any provision, present or future of any law or regulation, or by reason of present or future provision of the Articles of Incorporation of HoldCo, or any provision of or governing the securities on deposit, or by reason of any act of God or war or other circumstances beyond our control.

HoldCo and the HoldCo Depositary disclaim any liability by reason of any exercise of, or failure to exercise, any discretion provided for in the HoldCo Deposit Agreement or in our Articles of Incorporation or in any provisions of or governing the securities on deposit.

HoldCo and the HoldCo Depositary further disclaim any liability for any action or inaction in reliance on the advice or information received from legal counsel, accountants, any person presenting common shares for deposit, any holder of HoldCo ADSs or authorized representatives thereof, or any other person believed by either of us in good faith to be competent to give such advice or information.

HoldCo and the HoldCo Depositary also disclaim liability for the inability by a holder to benefit from any distribution, offering, right or other benefit that is made available to holders of common shares but is not, under the terms of the HoldCo Deposit Agreement, made available to you.

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HoldCo and the HoldCo Depositary may rely without any liability upon any written notice, request or other document believed to be genuine and to have been signed or presented by the proper parties.

HoldCo and the HoldCo Depositary also disclaim liability for any consequential or punitive damages for any breach of the terms of the HoldCo Deposit Agreement.

- No disclaimer of any Securities Act liability is intended by any provision of the HoldCo Deposit Agreement.

## Pre-Release Transactions

Subject to the terms and conditions of the HoldCo Deposit Agreement, the HoldCo Depositary may issue to broker/dealers HoldCo ADSs before receiving a deposit of common shares. These transactions are commonly referred to as “pre-release transactions,” and are entered into between the HoldCo Depositary and the applicable broker/dealer. The HoldCo Deposit Agreement limits the aggregate size of pre-release transactions (not to exceed 30% of the common shares on deposit in the aggregate) and imposes a number of conditions on such transactions (i.e., the need to receive collateral, the type of collateral required, the representations required from brokers, etc.). The HoldCo Depositary may retain the compensation received from the pre-release transactions.

## Taxes

You will be responsible for the taxes and other governmental charges payable on the HoldCo ADSs and the securities represented by the HoldCo ADSs. HoldCo, the HoldCo Depositary and the custodian may deduct from any distribution the taxes and governmental charges payable by holders and may sell any and all property on deposit to pay the taxes and governmental charges payable by holders. You will be liable for any deficiency if the sale proceeds do not cover the taxes that are due.

The HoldCo Depositary may refuse to issue HoldCo ADSs, to deliver, transfer, split and combine HoldCo ADRs or to release securities on deposit until all taxes and charges are paid by the applicable holder. The HoldCo Depositary and the custodian may take reasonable administrative actions to obtain tax refunds and reduced tax withholding for any distributions on your behalf. However, you may be required to provide to the HoldCo Depositary and to the custodian proof of taxpayer status and residence and such other information as the HoldCo Depositary and the custodian may require to fulfill legal obligations. You are required to indemnify HoldCo, the HoldCo Depositary and the custodian for any claims with respect to taxes based on any tax benefit obtained for you.

## Foreign Currency Conversion

The HoldCo Depositary will arrange for the conversion of all foreign currency received into U.S. dollars if such conversion is practical, and it will distribute the U.S. dollars in accordance with the terms of the HoldCo Deposit Agreement (net of any fees and expenses incurred in converting foreign currency, such as fees and expenses incurred in complying with currency exchange controls and other governmental requirements).

If the conversion of foreign currency is not practical or lawful, or if any required approvals are denied or not obtainable at a reasonable cost or within a reasonable period, the HoldCo Depositary may take the following actions in its discretion:

Convert the foreign currency to the extent practical and lawful and distribute the U.S. dollars to the holders for whom the conversion and distribution is lawful and practical.

Distribute the foreign currency to holders for whom the distribution is lawful and practical.

Hold the foreign currency (without liability for interest) for the applicable holders.

#### Governing Law/Waiver of Jury Trial

The HoldCo Deposit Agreement and the HoldCo ADRs will be interpreted in accordance with the laws of the State of New York. The rights of holders of common shares (including common shares represented by HoldCo ADSs) are governed by the laws of the ROC.

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AS A PARTY TO THE HOLDCO DEPOSIT AGREEMENT, YOU WAIVE YOUR RIGHT TO TRIAL BY JURY IN ANY LEGAL PROCEEDING ARISING OUT OF THE HOLDCO DEPOSIT AGREEMENT OR THE HOLDCO ADRs AGAINST US AND/OR THE HOLDCO DEPOSITARY.

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Legal Matters

Baker & McKenzie, ROC counsel to ASE, will render an opinion with respect to the validity of the HoldCo Common Shares to be issued in the Share Exchange.

Experts

The consolidated financial statements of ASE, except SPIL, ASE's investment in which is accounted for by use of the equity method, as of December 31, 2015 and 2016 and for each of the three years in the period ended December 31, 2016, included in this proxy statement/prospectus, and the effectiveness of ASE's internal control over financial reporting have been audited by Deloitte & Touche, as stated in their reports appearing herein, which reports (1) express an unqualified opinion on the consolidated financial statements and include an explanatory paragraph referring to the convenience translation of New Taiwan dollar amounts into U.S. dollar amounts and (2) express an unqualified opinion on the effectiveness of internal control over financial reporting. The consolidated financial statements of SPIL, ASE's investment in which is accounted for by use of the equity method, have been audited by PricewaterhouseCoopers, Taiwan, as stated in their report appearing herein. Such financial statements of ASE have been so included in reliance upon the respective reports of such firms given upon their authority as experts in accounting and auditing. All of the foregoing firms are independent registered public accounting firms.

The consolidated financial statements of SPIL as of December 31, 2016 and 2015 and for each of the three years in the period ended December 31, 2016 and management's assessment of the effectiveness of internal control over financial reporting (which is included in Management's Report on Internal Control over Financial Reporting) as of December 31, 2016 included in this Prospectus have been so included in reliance on the report of PricewaterhouseCoopers, Taiwan, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

The audited consolidated financial statements of SPIL have been audited by PricewaterhouseCoopers, Taiwan, an independent registered public accounting firm, whose report thereon appears herein. The audited financial statements of ASE, to the extent they relate to SPIL, have been so included in reliance on the report of such independent registered public accounting firm given on the authority of said firm as experts in auditing and accounting.

Enforceability of Foreign Judgments in the ROC

Upon the completion of the Share Exchange, HoldCo will be, a company limited by shares and incorporated under the ROC Company Law. It is expected that upon the completion of the Share Exchange, the majority HoldCo' directors, executive officers and supervisors and certain other parties named herein will be residents of the ROC and a substantial portion of HoldCo's assets and such persons are located in the ROC. As a result, it may not be possible for investors to effect service of process on HoldCo or such persons outside the ROC, or to enforce against any of their judgments obtained in courts outside of the ROC. ROC counsel has advised that any final judgment obtained against us or such persons in any court other than the courts of the ROC in respect of any legal suit or proceeding arising out of or relating to the Share Exchange will be enforced by the courts of the ROC without further review of the merits only if the court of the ROC in which enforcement is sought is satisfied that:

- the court rendering the judgment has jurisdiction over the subject matter according to the laws of the ROC;

the judgment and the court procedures resulting in the judgment are not contrary to the public order or good morals of the ROC;

if the judgment was rendered by default by the court rendering the judgment, (i) we or such persons were duly served in the jurisdiction of such court within a reasonable period of time in accordance with the laws and regulations of such jurisdiction, or (ii) process was served on us or such persons with judicial assistance of the ROC; and

judgments of the courts of the ROC are recognized in the jurisdiction of the court rendering the judgment on a reciprocal basis.

A party seeking to enforce a foreign judgment in the ROC would, except under limited circumstances, be required to obtain foreign exchange approval from the Central Bank of the Republic of China (Taiwan) for the remittance out of the ROC of any amounts exceeding US\$100,000 or its equivalent recovered in respect of such judgment denominated in a currency other than NT dollars.

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Where You Can Find More Information

ASE files annual, quarterly and current reports, proxy statements and other information with the SEC as required under the Exchange Act. ASE is currently, and upon completion of the Share Exchange, HoldCo will be, subject to periodic reporting and other informational requirements of the Exchange Act, as applicable to foreign private issuers. As a “foreign private issuer” and, under the rules adopted under the Exchange Act, ASE is, and upon the completion of the Share Exchange, HoldCo will be, exempted from certain of the requirements of that Exchange Act, including the proxy and information provisions of Section 14 of the Exchange Act and the reporting and liability provisions applicable to officers, directors and significant shareholders under Section 16 of the Exchange Act. ASE files annual reports on Form 20-F with the SEC and also furnishes reports on Form 6-K to the SEC.

You may read and copy any reports, statements or other information filed by ASE or SPIL at the SEC’s Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the Public Reference Room. The SEC also maintains an Internet website that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC, including ASE and SPIL. The address of that site is [www.sec.gov](http://www.sec.gov).

Investors may also consult ASE’s or SPIL’s website for more information about ASE or SPIL, respectively. ASE’s website is <http://www.aseglobal.com>. SPIL’s website is <http://www.spil.com.tw>.

With the exception of the reports specifically included as annexes to this document as described under “-Documents Included as Annexes,” material contained on or accessible through the SEC’s, ASE’s or SPIL’s website is not incorporated into this proxy statement/prospectus.

ASE and SPIL have filed with the SEC a registration statement on Form F-4 of which this proxy statement/prospectus forms a part. The registration statement registers the HoldCo Common Shares to be issued to ASE shareholders in exchange for its ASE Common Shares in connection with the Share Exchange. A related registration statement on Form F-6 has also been filed with the SEC to register HoldCo ADSs representing HoldCo Common Shares. The registration statements and their exhibits and schedules contain additional relevant information about ASE and SPIL, ASE Common Shares and ASE ADSs. As allowed by SEC rules, this proxy statement/prospectus does not contain all the information you can find in the registration statement on Form F-4 filed by ASE and SPIL and the exhibits to the registration statement.

**Documents Included as Annexes**

This proxy statement/prospectus includes as annexes the documents listed below that ASE and SPIL have previously filed with the SEC. These documents contain important information about the companies, their respective financial condition and other matters.

**ASE SEC Filings**

**(File No. 001-16125)**

**Period or File Date**

Annual Report on Form 20-F    Year ended December 31, 2016, filed on April 21, 2017

Current Report on Form 6-K    Furnished on December 14, 2017 (Exhibit 99.1 only)

**SPIL SEC Filings**

**(File No. 000-30702)**

**Period or File Date**

Annual Report on Form 20-F    Year ended December 31, 2016, filed on April 11, 2017

Current Report on Form 6-K    Furnished on December 14, 2017 (Exhibit 99.1 only)

Additional copies of documents included as annexes hereto are available to you by requesting them in writing or by telephone from ASE at the following address and telephone number:

**Advanced Semiconductor Engineering, Inc.**

**e-mail: [ir@aseglobal.com](mailto:ir@aseglobal.com)**

**Tel: +886-2-6636-5678**

**Room 1901, No. 333, Section 1 Keelung Rd.**

**Taipei, Taiwan, 110**

**Republic of China**

**Attention: Investor Relations**



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You should rely only on the information contained in or included as annexes to this proxy statement/prospectus. No one has been authorized to provide you with information that is different from that contained in, or included as annexes to, this proxy statement/prospectus. This proxy statement/prospectus is dated January 16, 2018. You should not assume that the information contained in this proxy statement/prospectus is accurate as of any date other than that date. You should not assume that the information included in the annexes to this proxy statement/prospectus is accurate as of any date other than the date of such incorporated document. Neither the delivery of this proxy statement/prospectus to ASE shareholders nor the issuance of HoldCo Common Shares or HoldCo ADSs in connection with the Share Exchange will create any implication to the contrary.

Part II

Information Not Required in Prospectus

Item 20.

Indemnification of Officers and Directors

The relationships between each Registrant and its directors and officers are governed by the ROC Civil Code, the ROC Company Law and such Registrant's articles of incorporation. There is no written agreement between either Registrant and its directors and officers governing the rights and obligations of such parties. Each person who was or is party or is threatened to be made a party to, or is involved in any threatened, pending or completed action, suit or proceeding by reason of the fact that such person is or was either Registrant's director or officer, in the absence of willful misconduct or gross negligence on the part of such person in connection with such person's performance of duties as a director or officer, as the case may be, may be indemnified and held harmless by such Registrant to the fullest extent permitted by applicable law.

Item 21.

Exhibits and Financial Statements Schedules

(a) Exhibits

EX-3.1 Form of Articles of Incorporation of ASE Industrial Holding Co., Ltd. (proposed to be adopted on or about February 12, 2018) (English translation) \*

EX-4.1 Form of Specimen of ASE Industrial Holding Co., Ltd. American Depositary Receipt \*

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EX-4.2 Form of Deposit Agreement, among ASE Industrial Holding Co., Ltd., Citibank, N.A., as depositary, and holders and beneficial owners of American depositary shares issued thereunder \*

EX-5.1 Opinion of Baker & McKenzie regarding the validity of the common shares of ASE Industrial Holding Co., Ltd. \*

EX-8.1 Opinion of Baker & McKenzie regarding certain Republic of China tax consequences in connection with the Share Exchange (included in Exhibit 5.1) \*

EX- 8.2 Opinion of Davis Polk & Wardwell LLP regarding certain United States Federal tax consequences of the Share Exchange \*

EX-12.1 Computation of Ratio of Earnings to Fixed Charges \*

EX-21.1 Subsidiaries of ASE \*

EX-21.2 Subsidiaries of SPIL \*

EX-23.1 Consent of Deloitte & Touche \*\*

EX-23.2 Consents of PricewaterhouseCoopers, Taiwan \*\*

EX-23.3 Consent of Baker & McKenzie (included in Exhibits 5.1 and 8.1) \*

EX-23.4 Consent of Davis Polk & Wardwell LLP (included in Exhibit 8.2) \*

EX-23.5 Consent of Mr. Ji-Sheng Chiu of Crowe Horwath (TW) CPAs \*\*

EX-24.1 Power of Attorney of ASE \*

EX-24.2 Power of Attorney of SPIL \*

EX-99.1 Form of depositary notice to holders of American depositary shares of Advanced Semiconductor Engineering, Inc. relating to the extraordinary general shareholders' meeting of shareholders \*

EX-99.2 Form of voting instruction for use by holders of American depositary shares of Advanced Semiconductor Engineering, Inc. \*

\* Previously filed.

\*\* Filed herewith.

Item 22.

Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement.

(ii) Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum

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aggregate offering price set forth in the “Calculation of Registration Fee” table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective  
(2) amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) To file a post-effective amendment to the registration statement to include any financial statements required by Item 8.A. of Form 20-F at the start of any delayed offering or throughout a continuous offering.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant’s annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934, (and where applicable, each filing of an employee benefit plan’s annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is included as annexes in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) The undersigned registrant hereby undertakes as follows:

That prior to any public reoffering of the securities registered hereunder through use of a prospectus which is a part of this registration statement, by any person or party who is deemed to be an underwriter within the meaning of  
(1) Rule 145(c), the issuer undertakes that such reoffering prospectus will contain the information called for by the applicable registration form with respect to the offerings by persons who may be deemed underwriters, in addition to the information called for by the other Items of the applicable form.

That every prospectus (i) that is filed pursuant to the immediately preceding paragraph, or (ii) that purports to meet the requirements of section 10(a)(3) of the Act and is used in connection with an offering of securities subject to Rule 415 (§ 230.415 of this chapter), will be filed as a part of an amendment to the registration statement and will  
(2) not be used until such amendment is effective, and that, for purposes of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(d) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

(e) The undersigned registrant hereby undertakes: (i) to respond to requests for information that is included in the annexes to the prospectus pursuant to Items 4, 10(b), 11, or 13 of this Form, within one business day of receipt of such request, and to send the incorporated documents by first class mail or other equally prompt means, and (ii) to arrange or provide for a facility in the United States for the purpose of responding to such requests. The undertaking

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in subparagraph (i) above includes information contained in documents filed subsequent to the effective date of the registration statement through the date of responding to the request.

(f) The undersigned registrant hereby undertakes to supply by means of a post-effective amendment all information concerning a transaction and the company being acquired involved therein, that was not the subject of and included in the registration statement when it became effective.

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**SIGNATURES**

Pursuant to the requirements of the Securities Act, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Taipei, Taiwan on January 16, 2018.

ADVANCED SEMICONDUCTOR  
ENGINEERING, INC.

By: /s/ Jason C.S. Chang  
Name: Jason C.S. Chang  
Title: Chairman and Chief Executive Officer

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Pursuant to the requirements of the Securities Act, this Registration Statement has been signed by the following persons in the capacities indicated and on January 16, 2018.

<u>Signature</u>	<u>Title</u>
/s/ Jason C.S. Chang Jason C.S. Chang	Director, Chairman of the Board of Directors and Chief Executive Officer (principal executive officer)
* Richard H.P. Chang	Director, Vice Chairman of the Board of Directors and President
* Rutherford Chang	Director and General Manager of China Region
* Tien Wu	Director and Chief Operating Officer
/s/ Joseph Tung Joseph Tung	Director and Chief Financial Officer (principal financial officer)
* Raymond Lo	Director and General Manager , Kaohsiung Packaging Facility
* Tien-Szu Chen	Director and General Manager of ASE Chung Li Branch
* Jeffrey Chen	Director and General Manager of Corporate Affairs and Strategy of China Region
* Shen-Fu Yu	Independent Director
* Ta-Lin Hsu	Independent Director
* Mei-Yueh Ho	Independent Director
* Murphy Kuo	Controller and Vice President (principal accounting officer)

\*By: /s/ Jason C.S. Chang  
Jason C.S. Chang  
Attorney-in-fact





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SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE REGISTRANT

Pursuant to the Securities Act of 1933, as amended, the undersigned, the duly authorized representative in the United States of Advanced Semiconductor Engineering, Inc., has signed this Registration Statement and any amendment thereto in the City of New York, New York, on January 16, 2018.

Cogency Global Inc.

By: /s/ Colleen A. De Vries

Name: Colleen A. De Vries

Title: Senior Vice-President

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**SIGNATURES**

Pursuant to the requirements of the Securities Act, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Taipei, Taiwan on January 16, 2018.

SILICONWARE PRECISION INDUSTRIES CO.,  
LTD.

By: /s/ Bough Lin  
Name: Bough Lin  
Title: Chairman of the Board of the Directors

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Pursuant to the requirements of the Securities Act, this Registration Statement has been signed by the following persons in the capacities indicated and on January 16, 2018.

<u>Signature</u>	<u>Title</u>
/s/ Bough Lin Bough Lin	Chairman; Executive Vice President
* Chi-Wen Tsai	Vice Chairman; President (principal executive officer)
* Wen-Lung Lin	Director
* Yen-Chun Chang	Director; Senior Vice President; Chief Operating Officer
* Randy Hsiao-Yu Lo	Director
* Teresa Wang (Representative of Yang Fong Investment Co., Ltd)	Director
* John Hsuan	Independent Director
* Tsai-Ding Lin	Independent Director
* William W. Sheng	Independent Director
* Eva Chen	Vice President; Chief Financial Officer (principal financial officer and principal accounting officer)

\*By: /s/ Bough Lin  
Bough Lin  
Attorney-in-fact

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SIGNATURE OF AUTHORIZED REPRESENTATIVE OF THE REGISTRANT

Pursuant to the Securities Act of 1933, as amended, the undersigned, the duly authorized representative in the United States of Siliconware Precision Industries Co., Ltd., has signed this Registration Statement and any amendment thereto in the City of New York, New York, on January 16, 2018.

Law Debenture Corporate Services  
Inc.

By: /s/ Giselle Manon  
Name: Giselle Manon  
Title: Service of Process Officer

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**Annex A-1**

English Translation of Execution Version

Joint Share Exchange Agreement

Preamble

This Joint Share Exchange Agreement (this “**Agreement**”) is entered into on June 30, 2016 (the “**Execution Date**”) by and between:

- (1) Advanced Semiconductor Engineering, Inc. (“**ASE**”), a company incorporated under Republic of China (“**ROC**”) laws, with its address at No. 26, Jingsan Rd, Nanzi District, Kaohsiung City, Taiwan; and
- (2) Siliconware Precision Industries Co., Ltd. (“**SPIL**” or the “**Company**”), a company incorporated under ROC laws, with its address at No. 123, Section 3, Da Fong Road, Tantz District, Taichung City, Taiwan.

WHEREAS ASE and SPIL (each a “**Party**” and collectively the “**Parties**”) agree for ASE to file an application to establish HoldCo (as defined below) by means of a statutory share exchange, and HoldCo will acquire all issued and outstanding shares of both ASE and SPIL. After the closing of the share exchange, ASE and SPIL will become wholly-owned subsidiaries of HoldCo concurrently (the “**Share Exchange**” or “**Transaction**”); and

WHEREAS each Party’s board of directors has passed a resolution approving the Share Exchange.

NOW THEREFORE, IN WITNESS WHEREOF, the Parties have entered into this Agreement as follows:

Definitions

Save for the definitions set forth in the Preamble, in this Agreement:

“**HoldCo**” means (temporary English name: ASE Industrial Holding Co., Ltd.) to be established by ASE pursuant to Article 1.1 hereof.

“**SPIL Foreign Convertible Bonds**” means US\$400,000,000 unsecured foreign convertible bonds issued by SPIL on October 31, 2014, due on October 31, 2019, with an outstanding balance of US\$400,000,000, convertible into SPIL’s new common shares, with the final conversion date at October 21, 2019. As the Execution Date occurs during the suspension period for conversion of SPIL Foreign Convertible Bonds, the conversion price per share shall be referred to the conversion price thereof announced by SPIL on July 1, 2016.

“**Exchange Ratio**” means the exchange of each ordinary share of ASE for 0.5 ordinary share of HoldCo (1 ASE’s American depositary share each representing five ASE common shares to be exchanged for 1.25 HoldCo’s American depositary shares each representing two HoldCo common shares).

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“**Cash Consideration**” means Initial Cash Consideration or Adjusted Cash Consideration, as applicable.

“**Initial Cash Consideration**” means NT\$55 in cash to be exchanged for each SPIL common share.

“**Adjusted Cash Consideration**” means the cash consideration adjusted according to Article 3.2 and Article 4.2 hereof.

“**SEC**” means United States Securities and Exchange Commission.

“**Antitrust Law**” means (1) the ROC Fair Trade Act and laws relating thereto, (2) the U.S. Sherman Act, as amended, the U.S. Clayton Act, as amended, the U.S. Hart-Scott-Rodino Antitrust Improvements Act, as amended, and the U.S. Federal Trade Commission Act, as amended, (3) the Anti-monopoly Law of People’s Republic of China with effectiveness from August 1, 2008, and (4) all other applicable laws issued by government entities for the purposes of prohibiting, restricting or regulating conducts with the purpose or effect of monopolizing, restricting trade or reducing competition through mergers or acquisitions.

“**SPIL Material Adverse Effect Event**” means any changes, developments, incidents, matters, effects or facts, which, individually or in combination with all other such changes, developments, incidents, matters, effects or facts, result in material adverse effects on SPIL and SPIL Subsidiaries, operating as a whole (for the purpose of this definition, “material” shall mean that the occurrence of said events or circumstances, individually or in aggregate, results in a decrease in the consolidated net book value of SPIL by 10% or more as compared to the net book value stated in SPIL’s consolidated audited financial statements as of March 31, 2016); provided that the following changes, developments, incidents, matters, effects or facts shall not, individually or in aggregate, be regarded as having a material adverse effect on SPIL, or be taken into account in determining whether there has been a SPIL Material Adverse Effect, if they are induced or caused by: (1) any change of capital market conditions or economic condition, including a change pertaining to interest rate or exchange rate; (2) any change of geopolitical conditions occurring after the date hereof, or outbreak or escalation of any conflict, or any war or terrorism actions; (3) force majeure occurring after the date hereof; (4) any change of applicable law, regulation or accounting standards (or any official interpretation thereof) proposed, approved or promulgated on or after the date hereof; (5) any change of the industry in which SPIL or a SPIL Subsidiary operates; (6) underperformance in and of itself by SPIL or SPIL Subsidiaries of any internal or public predictions, forecasts, projections or estimates relevant to income, profits or other financial or operational targets before, on or after the date hereof, or change of market price, credit rating or trading volume of its securities, provided that SPIL’s directors have met their duty of care and duty of loyalty; and (7) announcement and contingency of this Agreement or transactions contemplated hereunder (including any transaction-related litigation) of this Agreement, any adoption of actions required or expressly required in the covenants specified in this Agreement, including any loss of or change of relationship with any customer, supplier, distributor or other business partners of SPIL or SPIL



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Subsidiaries, or departure of any employee or senior management, resulting from or relevant to the announcement and contingency of this Agreement or transactions contemplated hereunder, provided that SPIL's directors have met their duty of care and duty of loyalty.

**“ASE Material Adverse Effect Event”** means any changes, developments, incidents, matters, effects or facts which, individually or in combination with all other such changes, developments, incidents, matters, effects or facts, result in material adverse effects on ASE and ASE's subsidiaries, operating as a whole (for the purposes of this definition, “material” means that the occurrence of said events or circumstances, individually or in aggregate, results in a decrease in the consolidated net book value of ASE by 10% or more as compared to the net book value stated in ASE's consolidated audited financial statements as of March 31, 2016); provided that the following changes, developments, incidents, matters, effects or facts shall not, individually or in aggregate, be regarded as having a material adverse effect on ASE, or be taken into account in determining whether there has been an ASE Material Adverse Effect, if they are induced or caused by: (1) any change of capital market conditions or economic condition, including a change pertaining to interest rate or exchange rate; (2) any change of geopolitical conditions occurring after the date hereof, or outbreak or escalation of any conflict, or any war or terrorism actions; (3) force majeure occurring after the date hereof; (4) any change of applicable law, regulation or accounting standards (or any official interpretation thereof) proposed, approved or promulgated on or after the date hereof; (5) any change of the industry in which ASE or an ASE's subsidiary operates; (6) underperformance in and of itself by ASE or ASE's subsidiaries of any internal or public predictions, forecasts, projections or estimates relevant to income, profits or other financial or operational targets before, on or after the date hereof, or change of market price, credit rating or trading volume of its securities, provided that ASE's directors have met their duty of care and duty of loyalty; (7) announcement and contingency of this Agreement or transactions contemplated hereunder (including any transaction-related litigation) of this Agreement, any adoption of actions required or expressly required in the covenants specified in this Agreement, including any loss of or change of relationship with any customer, supplier, distributor or other business partners of ASE or ASE's subsidiaries, or departure of any employee or senior management, resulting from or relevant to the announcement and contingency of this Agreement or transactions contemplated hereunder, provided that ASE's directors have met their duty of care and duty of loyalty; and (8) internal organizational restructuring of ASE and/or ASE's subsidiaries.

**“Long Stop Date”** means the expiry day of 18 months after the Execution Date (i.e., December 31, 2017) or a later date otherwise agreed in writing by both Parties.

**“Share Exchange Record Date”** means the date on which the exchanges of shares shall be completed as contemplated by the boards of directors of HoldCo and both Parties in accordance with the provisions of laws and Article 6.5 of this Agreement.

**“Relevant Securities Regulators”** means the Taiwan Financial Supervisory Commission, the Taiwan Stock Exchange and the SEC.

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“**Antitrust Law Enforcement Authorities of Relevant Countries or Regions**” means the Taiwan Fair Trade Commission, the United States Federal Trade Commission and the Ministry of Commerce of the People’s Republic of China.

“**SPIL Subsidiaries**” means subsidiaries listed in SPIL’s audited consolidated financial statements as of March 31, 2016.

“**Intellectual Property Rights**” means publicly registered patents, trademarks, copyrights and other intellectual property rights.

“**Material Contracts**” means all material agreements, contracts, representations, covenants, commitments, warranties, guarantees or other obligations that SPIL and SPIL Subsidiaries have entered into or undertaken.

“**Superior Proposal**” means a *bona fide*, unsolicited written offer for an Alternate Transaction (as defined below) to SPIL made by a party other than ASE, SPIL or any of SPIL’s directors, managers, employees, agents or representatives; and the terms and conditions of such an offer are considered to be more favorable to SPIL and all shareholders of SPIL than the terms and conditions of this Transaction by opinions separately issued by a renowned investment bank and law firm appointed by the SPIL’s audit committee.

“**SPIL Employees**” means all employees (including all appointed managers) of SPIL and SPIL Subsidiaries.

“**100% Subsidiaries**” means wholly-owned subsidiaries of HoldCo.

“**Alternate Transaction**” means (1) any transaction that may involve a spin-off, a purchase or sale of shares of non-financial investment nature, or any other transaction of similar nature; (2) a lease of all businesses or an entrustment, a joint operation or an assumption of the entire business or assets from others (except for an assumption of the entire business or assets from others in an aggregated transaction amount of less than NT\$500,000,000); or (3) any merger and acquisition without issuing HoldCo’s shares, any sale of all or material assets or businesses of 100% Subsidiaries, any disposal of interest in material assets or businesses of 100% Subsidiaries, or exclusive licensing of all or material patents or technologies of 100% Subsidiaries.

“**Force Majeure Events**” means judgments or orders of courts, orders or dispositions of relevant competent authorities, wars, hostility, blockade, riots, revolutions, strikes, work suspension, financial crisis, nuclear disasters, fires, hurricanes, earthquakes, tsunamis, plagues or floods, etc., which are not attributable to the Parties, or force majeure or equivalent events.

**1. Share Exchange**

ASE and SPIL agree that ASE shall file an application to establish HoldCo and effect, jointly with SPIL, the Share Exchange in accordance with the Republic of China Enterprise Mergers and Acquisitions Act and relevant laws and regulations.

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The general shareholders' meetings of both Parties will consider resolutions to approve the transfer of all the issued and outstanding shares of both Parties to HoldCo, and HoldCo will issue new shares to ASE's shareholders, and pay the Cash Consideration to SPIL's shareholders as consideration, based on the Exchange Ratio and Cash Consideration provided under Article 3 hereof.

1.2 ASE and SPIL agree that, upon the completion of the Share Exchange, ASE and SPIL shall each maintain its separate legal entity status and shall each retain its respective legal entity name, and that ASE and SPIL will become wholly-owned subsidiaries of HoldCo concurrently. HoldCo's Articles of Association is attached hereto as Appendix 1.

## **2. ASE's and SPIL's Capital Structures as of Execution Date**

2.1 ASE represents to SPIL that its capital structure as of the Execution Date is as follows:

2.1.1 ASE's paid-in share capital amounts to NT\$79,236,225,960 million, with a total of 7,923,622,596 issued and outstanding common shares (including 5,349,700 shares which remain to be registered for change).

2.1.2 ASE has 120,000,000 treasury shares.

2.1.3 It has a total of US\$600,000,000 issued and outstanding unsecured foreign convertible bonds, specifically:

US\$400,000,000 unsecured foreign convertible bonds issued by ASE on September 5, 2013, with outstanding (1) balance of US\$400,000,000, convertible into ASE's new common shares, due on August 26, 2018, and the conversion price per share as of the Execution Date is NT\$31.93.

US\$200,000,000 unsecured foreign convertible bonds issued by ASE on July 2, 2015, with outstanding balance of (2) US\$200,000,000, convertible into ASE's treasury shares as described under Article 2.1.2 hereof, due on March 17, 2017, and the conversion price per share as of the Execution Date is NT\$54.5465.

2.1.4 ASE has a total of 236,676,850 units of issued but not vested employee stock options, specifically:

185,806,000 units of employee stock options issued by ASE on December 19, 2007, due on December 18, 2017, (1) each unit exercisable for 1 common share, and its exercise price per share as of the Execution Date is NT\$21.10, with the balance of the issued but not vested employee stock options amounting to 53,938,500 units.

(2) 187,719,500 units of employee stock options issued by ASE on May 6, 2010, due on May 5, 2020, each unit exercisable for 1 common share, and

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its exercise price per share as of the Execution Date is NT\$20.4, with the balance of the issued but not vested employee stock options amounting to 84,056,850 units.

12,280,000 units of employee stock options issued by ASE on April 15, 2011, due on April 14, 2021, each unit (3) exercisable for 1 common share, and its exercise price per share as of the Execution Date is NT\$22.6, with the balance of the issued but not vested employee stock options amounting to 7,731,500 units.

94,270,000 units of ASE's employee stock options issued on September 10, 2015, due on September 9, 2025, each (4) unit exercisable for 1 common share, and its exercise price per share as of the Execution Date is NT\$36.5, with the balance of the issued but not vested employee stock options amounting to 90,950,000 units.

2.1.5 Except as set forth in Article 2.1.1 through Article 2.1.4, ASE has no other issued and outstanding equity-linked securities or other treasury shares.

2.2 SPIL represents to ASE that its capital structure as of the Execution Date is as follows:

2.2.1 Its paid-in share capital amounts to NT\$31,163,611,390, with a total of 3,116,361,139 issued and outstanding common shares:

2.2.2 US\$400,000,000 SPIL Foreign Convertible Bonds issued by SPIL on October 31, 2014, with an outstanding balance of US\$400,000,000, convertible into SPIL's newly issued common shares prior to October 21, 2019. As the Execution Date occurs during the suspension period for conversion of SPIL Foreign Convertible Bonds, the conversion price for each share shall be referred to the conversion price thereof announced by SPIL on July 1, 2016.

2.2.3 Except as set forth in Article 2.2.1 and Article 2.2.2, SPIL has no other issued and outstanding equity-linked securities or other treasury shares.

2.3 The number of total shares as agreed by HoldCo to acquire from each of ASE and SPIL on the Share Exchange Record Date will be based on the actual total number of shares issued by ASE and SPIL, respectively, as of the Share Exchange Record Date.

**3. Share Exchange Consideration**

3.1 The Transaction will result in the exchange of all of ASE's issued and outstanding shares in consideration for newly issued common shares of HoldCo, at an exchange ratio of 1 ASE common share for 0.5 HoldCo common share (the "**Exchange Ratio**") (1 ASE American depositary share (each ASE American depositary share currently represents five ASE common shares) shall be

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exchanged for 1.25 Holdco American depository shares (each HoldCo American depository share will represent two HoldCo common shares)). The actual number of ASE's shares expected to be exchanged under this Transaction will be based on the total number of shares issued by ASE as of the Share Exchange Record Date.

The Transaction will result in the exchange of each of SPIL's issued and outstanding shares for the Cash Consideration payable by HoldCo. The actual number of SPIL's shares to be exchanged under the Transaction will be based on the total amount of shares issued by SPIL and outstanding as of the Share Exchange Record Date. The Cash Consideration will be subject to adjustments if SPIL issues shares or cash dividends during the period from the Execution Date to the Share Exchange Record Date, provided, however, the Cash Consideration shall not be subject to adjustment if the cash dividends distributed by SPIL in 2017 is less than 85% of its after-tax net profit for the year 2016.

ASE shall, before SPIL's submission of Schedule 13E-3 to the SEC, confirm with SPIL the types and their composition of ASE's and HoldCo's funding sources, and present proof documentation in respect of sources of funding (including, but not limited to, the financing plan and a highly confident letter conforming to market practice issued by bank(s) on the financing of the Transaction) that can demonstrate ASE's and HoldCo's abilities to fully pay the Cash Consideration. In addition, ASE and HoldCo shall, no later than three business days after the Share Exchange Record Date, transfer the entire amount of the Cash Consideration to a dedicated capital account opened by SPIL's stock transfer agency for the purposes of the closing of the Transaction. ASE and HoldCo shall be jointly and severally liable to the foregoing.

The total registered capital of HoldCo is contemplated to be NT\$50,000,000,000, divided into 5,000,000,000 common shares, with a par value of NT\$10, to be issued in installments; the total paid-in share capital of HoldCo as of the Share Exchange Record Date upon initial issuance is temporarily contemplated to be NT\$39,618,112,980 million, divided into 3,961,811,298 shares. Prior to the Share Exchange Record Date, the amount of HoldCo's new shares to be issued upon the Share Exchange shall be adjusted to take into account any increase or decrease in the amount of ASE's issued shares arising from any capital increase, capital decrease or issuance of new shares on vesting, exchange or conversion of equity-linked securities.

Any fractional shares resulting from HoldCo issuing new HoldCo shares to ASE shareholders based on the Exchange Ratio will be subscribed by a person designated by HoldCo's chairman based on ASE's closing price on the trading day immediately before the Share Exchange Record Date on the Taiwan Stock Exchange, calculated based on the Exchange Ratio and such person will pay cash in lieu to such ASE shareholders (rounded down to the nearest NT dollar). HoldCo's board of directors has the sole discretion to implement any changes to the foregoing provisions relating to treatment of fractional shares so long as



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changes are necessary under relevant laws or regulations, or are required for processing purposes.

**4. Adjustment to Consideration of Share Exchange**

4.1 Both Parties agree that the Exchange Ratio as agreed hereunder shall not be changed unless approved by the competent authority and agreed by the resolutions of the boards of directors of HoldCo and both Parties; and except under the circumstances set forth in Article 4.2 hereof, the Cash Consideration as agreed herein cannot be changed.

4.2 The Parties agree that they shall cause their respective extraordinary general shareholders' meeting (ASE's extraordinary general shareholders' meeting shall be Holdco's promoters' meeting) to adopt a resolution authorizing each Party's and HoldCo's (if applicable) respective board of directors to effect a reasonable adjustment of the Cash Consideration in good faith and by mutual agreement as soon as possible, without the need for a resolution for adjustment at a separately convened general shareholders' meeting (unless as otherwise agreed herein), if any of the events described below occurs during the period from the Execution Date until the Share Exchange Record Date:

4.2.1 Issuance of SPIL's equity-linked securities of any nature (except for any share(s) newly issued as a result of the exercise of conversion rights by holders of SPIL Foreign Convertible Bonds) or other securities convertible into SPIL shares;

4.2.2 SPIL's disposal of material assets;

4.2.3 Occurrence of major disasters causing a SPIL Material Adverse Effect Event, material technical changes or other circumstances affecting SPIL's shareholders' interests or its share prices; or

4.2.4 SPIL's repurchase of treasury shares (except for the repurchase of shares by SPIL subsequent to SPIL shareholders' exercising appraisal rights under law in connection with the Share Exchange).

4.3 For the purposes of Article 4.2.2 and Article 4.2.3 hereof, "material" shall mean that the occurrence of said events or circumstances, individually or in aggregate, results in an increase or decrease of SPIL's consolidated net book value by 10% or more as compared to the net book value in SPIL's consolidated audited financial statements as of March 31, 2016 (for the avoidance of doubt, excluding a decrease in the net book value in SPIL's consolidated audited financial statements resulted from dividends distributed by SPIL).

4.4 Following the adjustment to the Cash Consideration pursuant to the terms of Article 4 hereof, both Parties shall apply with, notify to or change with the competent authority in accordance with the laws and regulations for the required permission or approval.

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**5. Shareholders' Resolutions Approving the Share Exchange**

Both Parties shall each prepare relevant documents subject to the procedures and schedules as agreed under Appendix 2 hereto, and hold an extraordinary general shareholders' meeting to approve this Agreement and the Transaction in a share exchange resolution based on the terms of this Agreement on the same date to be jointly agreed upon by both Parties in good faith and goodwill following clearance by two Antitrust Law Enforcement Authorities of Relevant Countries or Regions (but not later than the 70th calendar day following clearance and approval obtained by both Parties from each of the Antitrust Law Enforcement Authorities of Relevant Countries or Regions).

The non-independent directors and supervisors (future independent directors) of HoldCo shall be elected at ASE Extraordinary Shareholders' Meeting (i.e., Holdco's promoters' meeting) in accordance with the arrangements set forth in Article 9 of this Agreement.

**6. Conditions Precedent to Share Exchange**

HoldCo and both Parties shall effect the Share Exchange to complete the Transaction pursuant to this Agreement if all the conditions precedent below are satisfied:

6.1.1 The unconditional approval of the Transaction at each Party's respective general shareholders' meeting; and

The approvals or consents (including, but not limited to, approvals or consents of conditions and/or burdens imposed by Antitrust Law Enforcement Authorities of Relevant Countries and Regions that both Parties agree to accept) to consummate the Transaction from all relevant competent authorities (including, but not limited to: the Taiwan Stock Exchange, the SEC, and Antitrust Law Enforcement Authorities of Relevant Countries and Regions) shall have been received.

6.1.3 No governmental entity having competent jurisdiction over the Transaction shall have enacted or enforced any order (whether temporary, preliminary or permanent) that is in effect and enforceable prohibiting, enjoining or rendering illegal the consummation of the Transaction, and no law shall have enacted or enforced after the Execution Date rendering illegal or otherwise prohibiting the consummation of the Transaction. For the avoidance of doubt, the enactment or enforcement of an "order" or "law" shall not include the making of a decision by any governmental entity to extend the waiting period or initiate an investigation pursuant to any Antitrust Law or any law of relevant jurisdictions.

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6.2 The obligations of each of HoldCo and ASE to complete the Transaction is subject to the satisfaction of (or HoldCo's and ASE's consent to the waiver of) all the conditions below:

All of SPIL's representations and warranties contained within this Agreement are true and accurate as of the  
6.2.1 Execution Date and as of the Share Exchange Record Date, except to the extent that no SPIL Material Adverse Effect Event shall have occurred.

6.2.2 SPIL has fulfilled the undertakings and obligations that SPIL is obliged to fulfill in all material respects prior to the Share Exchange Record Date pursuant to this Agreement.

6.2.3 No SPIL Material Adverse Effect Event shall have occurred by the Share Exchange Record Date.

Before the Share Exchange Record Date, no Force Majeure Events shall have occurred which, individually or in  
6.2.4 aggregate, result in a decrease of SPIL's consolidated net book value by 30% or more as compared to the net book value in SPIL's consolidated audited financial statements as of March 31, 2016.

6.3 SPIL's obligation to complete this Transaction is subject to the satisfaction of (or SPIL's consent to waive) all the conditions below:

All of ASE's representations and warranties contained within this Agreement are true and accurate as of the  
Execution Date and as of the Share Exchange Record Date, except to the extent that no ASE Material Adverse  
6.3.1 Effect Event shall have occurred; all of HoldCo's representations and warranties contained within this Agreement are true and accurate as of the Share Exchange Record Date, except to the extent that no HoldCo's material adverse effect event shall have occurred.

6.3.2 ASE and/or HoldCo have fulfilled the undertakings and obligations that ASE and/or HoldCo are obliged to fulfill in all material respects prior to the Share Exchange Record Date pursuant to this Agreement.

6.3.3 No ASE Material Adverse Effect Event shall have occurred by the Share Exchange Record Date.

No Force Majeure Events shall have occurred by the Share Exchange Record Date which, individually or in  
6.3.4 aggregate, result in a decrease in ASE's consolidated net book value by 30% or more as compared to the net book value in ASE's consolidated audited financial statements as of March 31, 2016.

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6.4 The completion of this Transaction is subject to satisfaction or waiver of all the conditions precedent as set forth in Article 6.1 through 6.3 on or before the Long Stop Date. ASE or SPIL shall not prevent the consummation of this Transaction for any other improper reason. If the closing of the Transaction cannot be completed due to the failure of the conditions precedent as set forth in Article 6.1 through 6.3 hereof to be satisfied on or before the Long Stop Date, this Agreement shall be terminated automatically at 0:00am on the day immediately following the Long Stop Date.

6.5 If all the conditions precedent as set forth in Article 6.1 through 6.3 hereof have been satisfied or waived, the Share Exchange shall be completed on the share exchange record date as agreed by HoldCo's and both Parties' boards of directors in accordance with the laws and regulations and Article 6.5 hereof ("Share Exchange Record Date"). Each Party's and HoldCo's (if applicable) boards of directors shall jointly agree upon and respectively resolve to approve the Share Exchange Record Date within 10 days following the date of approval of their respective general shareholders' meeting to effect the Transaction under Article 5.1 hereof.

## **7. Representations and Warranties**

7.1 ASE represents and warrants to SPIL that the following terms shall be true and correct as of the Execution Date and as of the Share Exchange Record Date:

7.1.1 Valid establishment and existence of the company: ASE is a company limited by shares duly incorporated and validly existing under the ROC Company Act and has obtained all necessary licenses, approvals, permits and other relevant licenses in order to carry on its business operations, except to the extent that failure to obtain such licenses, approvals, permits and other relevant licenses would not give rise to an ASE Material Adverse Effect Event. All the shares issued by ASE have been legally authorized, issued and fully paid.

7.1.2 Validity and effectiveness of this Agreement: the execution and implementation of this Agreement, shall not violate (1) current laws or regulations of the ROC; (2) judgments, orders or dispositions by courts or relevant competent authorities; (3) the articles of incorporation, board resolutions or shareholders' resolutions of ASE; or (4) contracts, agreements, representations, warranties, promises, guarantees, arrangements or other obligations with which ASE shall comply, except to the extent that, in case of (1), (2), (3) or (4), no ASE Material Adverse Effect Event shall have occurred or ASE's ability to fulfill this Agreement is not affected.

As of the Execution Date, subject to (a) pre-merger notification requirements under the Hart-Scott-Rodino Antitrust Improvements Act of 1976 (as amended) and regulations or rules promulgated thereunder (the "**HSR Act**"), (b) filing and/or notification under the Antitrust Laws of any jurisdiction

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outside the United States, (c) approval necessary to be obtained from the SEC for the proxy statement, (d) requirements for the purposes of compliance with state or other local securities, acquisitions and “blue sky” laws, and (e) in addition to other authorizations, consents, approvals, orders, permits, notices, reports, notifications, registrations, qualifications and waivers, ASE’s execution hereof, and fulfillment of obligations hereunder, and consummation of the Transaction and other transactions contemplated hereunder have been authorized by the valid and effective resolution of ASE, and this Agreement constitutes a valid and legally binding obligation of ASE, enforceable against ASE in accordance with its terms.

7.1.3 Resolution and authorization by board of directors and/ or shareholders’ meeting: ASE’s board of directors and/or (before the Share Exchange Record Date) shareholders’ meeting have passed resolution(s) approving this Agreement and the Share Exchange and authorized the chairman of ASE or his appointed representative to execute, amend or change this Agreement on behalf of ASE.

7.1.4 All of ASE’s representations in Article 2.1 hereof are true and correct as of the Execution Date.

7.2 ASE causes HoldCo to represent and warrant, and represents and warrants jointly and severally with HoldCo, that the following terms shall be true and correct as of the Share Exchange Record Date:

7.2.1 Valid establishment and existence of the company: HoldCo is a company limited by shares duly incorporated and validly existing under the ROC Company Act and has obtained all necessary licenses, approvals, permits and other relevant licenses in order to carry on its business operations, except to the extent that failure to obtain such licenses, approvals, permits and other relevant licenses would not give rise to a material adverse effect event. All the shares issued by HoldCo have been legally authorized, issued and fully paid.

7.2.2 Validity and effectiveness of this Agreement: the execution and implementation of this Agreement, shall not violate (1) current laws or regulations of the ROC; (2) judgments, orders or dispositions by courts or relevant competent authorities; (3) the articles of incorporation, board resolutions or shareholders’ resolutions of HoldCo; or (4) contracts, agreements, representations, warranties, promises, guarantees, arrangements or other obligations with which ASE shall comply, except to the extent that, in case of (1), (2), (3) or (4), HoldCo’s ability to fulfill this Agreement is not affected. The performance of this Agreement has been authorized by the valid and effective resolution of HoldCo, and this Agreement constitutes a valid and legally binding obligation of HoldCo, enforceable against HoldCo in accordance with its terms.

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7.2.3 Resolution and authorization by board of directors and/or general shareholders' meeting: HoldCo's promoters meeting (if applicable) has passed a resolution approving this Agreement and the Share Exchange.

7.3 Except for (i) the information set forth in Appendix 3 (SPIL Disclosure Letter) and (ii) publicly available information disclosed in accordance with the regulations of the Relevant Securities Regulators, SPIL represents and warrants to ASE that the following terms shall be true and correct as of the Execution Date and as of Share Exchange Record Date (except to the extent that a representation or warranty is by its terms made as of a specified date, in which case such representation or warranty shall be true and correct only as of such date):

7.3.1 Valid establishment and existence of the company: SPIL is a company limited by shares duly incorporated and validly existing under the ROC Company Act and has obtained all necessary licenses, approvals, permits and other relevant licenses in order to carry on its business operations, except to the extent that the failure to obtain such licenses, approvals, permits and other relevant licenses would not cause a SPIL Material Adverse Effect Event to occur. All the shares issued by SPIL have been legally authorized, issued and fully paid.

7.3.2 Validity and effectiveness of this Agreement: the execution and implementation of this Agreement, shall not violate (1) current laws or regulations of the ROC; (2) judgments, orders or dispositions by courts or relevant competent authorities; (3) articles of incorporation, board resolutions or shareholders' resolutions of SPIL; or (4) contracts, agreements, representations, warranties, promises, guarantees, arrangements or other obligations with which SPIL shall comply, except to the extent that, in case of (1), (2), (3) or (4), no SPIL Material Adverse Effect Event shall have occurred or SPIL's ability to fulfill this Agreement is not affected.

As of the Execution Date, subject to (a) pre-merger notification requirements under the Hart-Scott-Rodino Antitrust Improvements Act of 1976 (as amended) and regulations or rules promulgated thereunder (the "HSR Act"), (b) filing and/or notification under the Antitrust Laws of any jurisdiction outside the United States, (c) approval necessary to be obtained from the SEC for the proxy statement, (d) requirements for the purposes of compliance with state or other local securities, acquisitions and "blue sky" laws, and (e) in addition to other authorizations, consents, approvals, orders, permits, notices, reports, notifications, registrations, qualifications and waivers, SPIL's execution hereof, and fulfillment of obligations hereunder, and consummation of the Transaction and other transactions contemplated hereunder have been authorized by the valid and effective resolution of SPIL, and this Agreement constitutes a valid and legally binding obligation of SPIL, enforceable against SPIL in accordance with its terms.

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7.3.3 Resolution and authorization by board of directors and/ or shareholders' meeting: SPIL's board of directors and/or (before the Share Exchange Record Date) shareholders' meeting have passed resolution(s) approving this Agreement and the Share Exchange and authorized the chairman of SPIL or his appointed representative to execute, amend or change this Agreement on behalf of SPIL.

7.3.4 All of SPIL's representations in Article 2.2 hereof are true and correct as of the Execution Date.

7.3.5 Financial statements and information: the audited and publicly available financial statements and any other financial statements provided to ASE were prepared in accordance with the applicable international financial reporting standards (Taiwan-IFRSs), and all material issues relating to SPIL and SPIL Subsidiaries were fairly presented, and do not have any fabrications, mistakes or concealments in their content that would cause a SPIL Material Adverse Effect Event to occur. Except as disclosed to ASE in writing, SPIL does not have any debts or other contingent liabilities that would cause a SPIL Material Adverse Effect Event to occur.

7.3.6 Declaration and payment of taxes and charges: except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, all taxes and charges to be lawfully declared (except for those legally subject to litigation or relief proceedings) have been declared and paid in full within the legally allotted time period without any delays, omissions, fabrications, tax evasions or other violations of relevant tax laws and regulations, orders or explanatory letters that would cause a SPIL Material Adverse Effect Event to occur.

7.3.7 Litigation or contentious matters: except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, there are no on-going or potential litigation or contentious matters, which is likely to cause a SPIL Material Adverse Effect Event to occur.

7.3.8 Assets and liabilities: SPIL's assets and liabilities of operation have been listed in the financial statements provided to ASE. SPIL has lawful and valid rights over the assets it uses and except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, its utilization, benefits and disposition are not restrained or limited that would cause a SPIL Material Adverse Effect Event to occur.

7.3.9 No new material debts: except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015 or incurred in the ordinary course of operations, from December 31, 2015 to the Execution Date and the Share Exchange Record Date, no new indebtedness, obligations, burdens or contingent liabilities have

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been incurred that would cause a SPIL Material Adverse Effect Event to occur.

Intellectual property rights: except to the extent that a SPIL Material Adverse Effect Event would be caused to occur, the information contained in SPIL's public filings regarding Intellectual Property Rights is true, accurate and complete, does not contain any concealments or omissions and such Intellectual Property Rights are not subject to mortgages, pledges or other liens or burdens. Except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, SPIL and SPIL

7.3.10 Subsidiaries own valid Intellectual Property Rights for use in their daily major operations and have valid ownership or use right over the Intellectual Property Rights required for their operations. To SPIL's knowledge, SPIL and SPIL Subsidiaries have not infringed upon, and have not been notified in writing or accused of infringing, upon the intellectual property rights of others, and the validity and/or feasibility of the major Intellectual Property Rights owned by SPIL or SPIL Subsidiaries have not been questioned or objected to by others that would cause a SPIL Material Adverse Effect Event to occur.

Labor relations: except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, there are no material labor disputes or any matters as of the

7.3.11 Share Exchange Record Date which are in material violation of relevant labor laws subject to dispositions imposed by labor authorities, which would cause a SPIL Material Adverse Effect Event to occur.

Environmental events: If in accordance with the relevant rules and regulations, SPIL and SPIL Subsidiaries shall apply for relevant pollution treatment facility permits and pollution discharge permits, pay pollution prevention fees or set up professional staff to manage pollution, SPIL and SPIL Subsidiaries have complied

7.3.12 with such requirements, and SPIL and SPIL Subsidiaries are not involved in any material environment pollution disputes or subject to dispositions imposed by environmental authorities for material violation of relevant environmental laws that would cause a SPIL Material Adverse Effect Event to occur.

Material contracts: All Material Contracts have been provided in writing or orally disclosed to ASE and are

7.3.13 without any fabrications, concealments or mistakes, and, except as otherwise disclosed, such Material Contracts will not be invalid, terminated, dismissed, or claimed to be in breach as a result of the Transaction that would cause a SPIL Material Adverse Effect Event to occur.

No breach of contract: except as publicly disclosed in accordance with applicable laws or disclosed in SPIL's audited financial statements as of December 31, 2015, SPIL and SPIL Subsidiaries are not in breach of any

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material entrustment agreement, mortgage, trust, loan or other contracts to which they are parties, which are binding on them, or under which their properties are subject matters; except that any such breach does not cause a SPIL Material Adverse Effect Event to occur or affect the fulfillment of this Agreement by SPIL and SPIL Subsidiaries.

- 7.3.15 Materials of this Agreement: All or any part of information required in order to prepare and file the Registration Statement (as defined in Appendix 2) and documents provided by SPIL to ASE are true and correct in all material respects and do not contain any fabrications, mistakes or concealments that would cause a SPIL Material Adverse Effect Event to occur.
- 7.3.16 Compliance with Laws. SPIL and SPIL Subsidiaries are in compliance with all applicable laws in all material respects without violations that would cause a SPIL Material Adverse Effect Event to occur.

**8. Covenants**

- 8.1 ASE and/or HoldCo (if applicable) covenant to SPIL that, from the Execution Date until Share Exchange Record Date:

8.1.1 Except to the extent that SPIL has materially breached any of its obligations, undertakings or representations and warranties under this Agreement, or SPIL has any circumstances that would unreasonably prevent the completion of the Share Exchange or where SPIL's directors have breached their duty of care or duty of royalty in respect of the Transaction, the ASE covenants to SPIL that:

- (1) ASE shall support the candidates nominated by SPIL's board of directors to be elected to serve on SPIL's 13th board of directors when SPIL re-elects its board of directors (including independent directors) in June 2017.

(2) ASE shall not intervene SPIL's operation. It shall support the motions put forward by SPIL's board of directors at SPIL's general shareholders' meeting (ASE shall abstain from so acting if ASE has an interest in the motion to SPIL's general shareholders' meeting that threatens SPIL's interest), and shall not solicit proxy forms or replace SPIL's directors in any way including, but not limited to, acting on its own or causing any other party to convene an extraordinary general shareholders' meeting; and unless with SPIL's consent and in compliance with non-compete rules, ASE, ASE's subsidiaries and their current or former directors, supervisors, managers, and/or the spouses and second-degree relatives and other related parties of such directors, supervisors, managers shall not serve as a director of SPIL.

- (3) ASE and SPIL will maintain their competition and respective independence without poaching SPIL's employees.

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(4) ASE shall not purchase or acquire SPIL's shares or increase its shares held in SPIL in any manner violating the laws or regulations of relevant countries or regions; for the shares legally increased by ASE in SPIL from the Execution Date to the Share Exchange Record Date, ASE may dispose of them freely for financial purposes, provided that the shares subject to disposal shall be in aggregate less than 10% of the total issued and outstanding SPIL shares; ASE may transfer shares held in SPIL to designated persons who shall not in the integrated circuit packaging industry; if ASE transfers shares held in SPIL in the amount that is in aggregate more than 10% of the total issued and outstanding SPIL shares, ASE shall have firstly obtained SPIL's consent or transfer the shares to SPIL's designated persons.

8.1.2 Provided it is permissible by laws and regulations, ASE and HoldCo shall use its commercially reasonable efforts to assist in obtaining all approvals relating to the Transaction from competent authorities.

8.1.3 ASE and HoldCo shall comply with the Taiwan Fair Trade Act and all relevant laws to the extent they are applicable to the Transaction.

8.1.4 In its SEC Filings (as defined in Appendix 2 hereto), it will recommend ASE's shareholders to vote in favor of this Agreement and the Share Exchange.

8.1.5 If an Antitrust Law Enforcement Authority of Relevant Country or Region puts forward or proposes during its review of the Transaction to impose any addition conditions and/or burdens on ASE, SPIL and/or HoldCo in its clearance/approval of the Transaction, ASE shall, without breaching the principles of SPIL's independent operations set forth hereunder, act in good faith and goodwill to jointly decide with SPIL on whether or not to accept such conditions and/or burdens, or consult with such Antitrust Law Enforcement Authority of Relevant Country or Region on such conditions and/or burdens.

8.1.6 ASE and HoldCo shall nominate and elect HoldCo's directors and supervisors (future independent directors) pursuant to Article 9 hereof.

8.2 SPIL covenants to ASE that, from the Execution Date until the Share Exchange Record Date:

8.2.1 To the extent permissible under laws and regulations, SPIL shall use its reasonable efforts to assist in obtaining all approvals relating to the Transaction from competent authorities.

8.2.2 Based on the consensus and premises that the laws and regulations will not be violated and ASE and HoldCo will maintain SPIL's independent operations pursuant to this Agreement, SPIL shall use its commercially reasonable efforts, to the extent that the law and regulations of relevant

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countries or regions are not violated, to provide assistance and support to ASE in filing explanations, information and/or notifications to competent authorities (including, but not limited to, filing on a several or joint basis of the relevant documentation to the Taiwan Fair Trade Commission or the Ministry of Commerce of the People's Republic of China, and filing of the relevant documentation on a several basis to the United States Federal Trade Commission), in order for HoldCo and both Parties to receive approval or consent from all relevant competent authorities required to complete the Share Exchange as soon as possible.

8.2.3 SPIL shall comply with the Taiwan Fair Trade Act and all relevant laws to the extent they are applicable to the Transaction.

8.2.4 After ASE issues to SPIL, in connection with the payment of entire amount of Cash Consideration hereunder, the financing plan and a highly confident letter in respect of the financing of the Transaction issued by banks conforming to the market practice, SPIL shall in its SEC Filings (as defined in Appendix 2) recommend to SPIL's shareholders to vote in favor of approving this Agreement and the Share Exchange.

8.2.5 Without the prior written consent of ASE, SPIL shall not nor procure SPIL Subsidiaries to:

(1) Issue any equity-linked securities (except for any share(s) newly issued as a result of the exercise of conversion rights by holders of SPIL Foreign Convertible Bonds).

(2) Except for the repurchase of shares from the shareholders exercising appraisal rights in connection with this Transaction in accordance with laws and regulations and Article 13 hereof or redemption of SPIL Foreign Convertible Bonds as contractually agreed, directly or indirectly repurchase, individually or through any third party, its issued and outstanding shares or equity-linked securities, decrease capital, resolve for dissolution, or file for restructuring, settlement or bankruptcy.

(3) Except subject to affirmative court judgments, arbitration awards or approvals, orders, administrative decisions or approved conditions/burdens or other requirements imposed by competent authorities (including, but not limited to, the Taiwan Stock Exchange, the Taiwan Fair Trade Commission, the United States Federal Trade Commission, the SEC, and the Antitrust Law Enforcement Authorities of Relevant Countries and Regions), none of SPIL or any of its directors, managers, employees, agents or representatives may offer, agree, enter into or sign with any third party any contract, agreement or other arrangements in respect of any following matter: (a) any transaction that may involve a spin-off, a purchase or a sale of shares of non-financial investment nature, or any other transaction of similar nature; (b) a lease of all businesses or an

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entrustment, a joint operation, or an assumption of the entire business or assets from others (except for an assumption of the entire business or assets from others in an aggregated transaction amount less than NT\$500,000,000); or (c) any merger and acquisition without issuing HoldCo's shares, any sale of all or material assets or businesses of 100% Subsidiaries, any disposal of interest in material assets or businesses of 100% Subsidiaries, or exclusive licensing of all or material patents or technologies of 100% Subsidiaries, provided, however, if SPIL receives a Superior Proposal from a third party the conditions of which, in the respective opinions of SPIL's audit committee and board of directors, are more favorable than those of this Transaction, SPIL shall notify ASE in writing the entire content of such Superior Proposal, and from the fifth business day following the delivery of notice to ASE, negotiate with, propose to, inquire, deliberate with, contact, discuss, offer or consult with such third party. Both Parties agree that, if SPIL cannot complete the Share Exchange under this Agreement due to its acceptance of a Superior Proposal as set forth above, SPIL shall pay to ASE the amount of NT\$17 billion as a termination fee for the Transaction.

8.2.6 If Antitrust Law Enforcement Authorities of Relevant Countries or Regions put forward or propose during their review of the Transaction to impose any conditions and/or burdens on ASE, SPIL and/or HoldCo in the clearance/approval of the Transaction, SPIL shall, without breaching the principles of SPIL's independent operations set forth hereunder, act in good faith and goodwill to jointly decide with ASE on whether or not to accept such conditions and/or burdens, or consult with such Antitrust Law Enforcement Authority of Relevant Countries or Regions on such conditions and/or burdens.

8.3 Special Covenants Applicable Subsequent to the Share Exchange Record Date: ASE, HoldCo and SPIL shall accept, comply with and fulfill the conditions and burdens agreed by both Parties and imposed by Antitrust Law Enforcement Authorities of Relevant Countries.

**9. Directors of the HoldCo**

9.1 HoldCo's promoters' meeting shall elect nine to thirteen seats of non-independent directors and three seats of supervisors (future independent directors).

9.2 Two seats of the non-independent directors of HoldCo shall include SPIL's chairman and president, respectively (and their successors (if any)). Both Parties will jointly determine in writing, with the utmost good faith and sincerity, the nominee for one independent director of HoldCo's board when HoldCo appoints independent directors.

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**10. Guarantee of the Benefits and Rights of SPIL's Employees**

10.1 HoldCo shall retain all SPIL Employees as of the Share Exchange Record Date. SPIL Employees to be retained after the completion of the Share Exchange will continue to enjoy the existing employee benefits, working conditions and personnel regulations as of the Execution Date. SPIL Employees' rights to employment shall be duly protected, save for where a SPIL Employee commits a material breach of laws or the personnel regulations of SPIL or SPIL Subsidiaries due to matters that are attributable to him/her and must be handled by SPIL in accordance with the relevant personnel regulation. HoldCo shall reserve a portion of its employee stock options for SPIL's employees when HoldCo issues new employee stock options. SPIL's board of directors may reasonably adjust SPIL's employee compensation and benefits by reference to ASE's employee compensation and benefits.

10.2 HoldCo shall set forth the methods to issue its employee stock options and the portion to be reserved for SPIL Employees based on the number of employees and employee's contribution, performance results and profitability of HoldCo's future subsidiaries; and SPIL will determine, in accordance with its personnel regulations, the proportion of such HoldCo's employee stock options to be distributed to SPIL's management and its other employees.

10.3 ASE and HoldCo agree that SPIL's management team may, based on its own discretion and within three months after the completion of the Share Exchange, implement reasonable and appropriate one-off plans to: (1) retain certain management team members of SPIL and/or (2) handle resignation requests from SPIL Employees who choose to terminate employment after the Share Exchange Record Date, provided that the SPIL management team does not violate its duty of loyalty or duty of care.

10.4 HoldCo and both Parties agree to waive the legal liability of each Party's staff (including, but not limited to, directors, managers and employees) in connection with the Transaction that may be incurred prior to the Share Exchange Date, and each Party agrees to mutually exempt, forego, waive all of its recourses in law against the other Party's staff as set forth above in connection with the Transaction that may be incurred prior to the Share Exchange Record Date. HoldCo and both Parties agree to waive the liability of any intermediary, its owner or employee arising from its engagement in the Transaction or provision of advisory and other services to the Parties; provided, however, this Article does not extend to the criminal liability, or legal liability arising from willful misconduct or gross negligence, of any of legal or natural persons as set forth above.

**11. Independent Operation of SPIL**

11.1 Before the completion of the Share Exchange, ASE and SPIL are companies independent from each other, operate independently and, through healthy competition, improve their individual operating efficiencies and economies of

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scale as well as research innovation achievements, thereby providing customers with more complete services and alleviate concerns of order transfers from customers due to concentration risk. As a result of such independent operation model, the competition restriction concerns or disadvantages to overall economic interests arising from the publicity and consummation of the Transaction can be avoided. Therefore, on the basis that SPIL's independent operation and concurrence of competition and cooperation between both Parties shall be maintained, both Parties agree to file explanations on the arrangement of the Transaction to relevant Antitrust Law Enforcement Authorities of Relevant Countries or Regions, to enable them to approve the Transaction.

After the Share Exchange is completed, HoldCo will become a parent company holding one hundred percent SPIL shares and continue to maintain the independent operation of, and concurrence of competition and cooperation between, both Parties, and SPIL shall retain its legal entity name; provided that the relevant laws and regulations are not violated, and no duty of care or duty of loyalty of SPIL's directors to SPIL is breached, and without violating the interest of HoldCo, HoldCo agrees:

(1) All of SPIL's operations shall be resolved by SPIL's board of directors. SPIL's board of directors shall have independent decision power on SPIL's organizational documents, personnel, payroll or welfare systems, financial budgets, audit, technology research and development, operations and marketing and other matters so as to maintain SPIL's independent operation;

(2) any matter regarding SPIL's rights and obligations shall be completed by SPIL's board of directors or under its authorization, and the operation of SPIL's businesses shall also be conducted by SPIL's board of directors or under its directions;

(3) Based on the principle of reciprocity, HoldCo will, as long as allowed by its capability, provide guarantees, fundings or supports sufficient to cause other financing parties to provide fundings (including, but not limited to, repayment guarantee documentation acceptable to other financing parties) whenever SPIL has funding needs (including, but not limited to, the needs for capital expenditure and working capital in its annual budget/annual plans) in order to meet the financing needs of SPIL; and

(4) HoldCo shall agree that SPIL retain the management team and employees of SPIL and maintain their current organizational structure, compensation and relevant benefits as of the Execution Date. During the existence of SPIL as a subsidiary of HoldCo, SPIL's board of directors shall have full autonomy in deciding and nominating future candidates for directors and supervisors of SPIL (and HoldCo shall appoint such candidates thereupon) (who shall not be replaced or otherwise removed without consent of SPIL's board of directors), and maintain the current compensation and

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relevant benefits of SPIL's directors as of the Execution Date. In addition, HoldCo may in no way dispose of its shares in SPIL without SPIL's consent (including, but not limited to, sale, pledge, or otherwise encumbrance), and SPIL's board of directors may continue to operate independently and determine the organizational structure, compensation and relevant benefits of SPIL, in order to facilitate the maintenance of SPIL's current and future independent business and operation model after the completion of the Share Exchange.

For the avoidance of doubt, upon resolution of each Party's board of directors and general shareholders' meeting (including HoldCo's promoters' meeting) approving this Agreement, the provisions of this Agreement regarding SPIL's independent operation are deemed to comply with the laws and regulations set forth in Article 11.2 hereof without violating the interest of HoldCo.

Based on the principle of reciprocity, SPIL will, as long as allowed by its capability, provide guarantees, fundings or supports sufficient to cause other financing parties to provide fundings (including, but not limited to, 11.3 repayment guarantee documentation acceptable to other financing parties) whenever HoldCo has the funding needs (including, but not limited to, the needs for capital expenditure and working capital in the annual budget/annual plan) in order to meet the financing needs of HoldCo.

11.4 The major organizational structure of HoldCo and major subsidiaries operated by HoldCo after completion of the Share Exchange is shown in Appendix 4 hereto.

After the completion of the Share Exchange, none of 100% Subsidiaries (including, but not limited to, ASE and SPIL) or any of their directors, managers or agents may, before discussion and consensus reached with HoldCo, 11.5 offer, agree to, reach or enter into any agreement with any third party that is not a Party regarding an Alternate Transaction. Upon instruction, if any, of a competent authority regarding restrictions on 100% Subsidiaries entering into Alternate Transactions, Article 11.5 hereof shall be subject to adjustment as per such instruction.

HoldCo and its subsidiaries (other than SPIL) shall not provide to ASE with customers and competition 11.6 information obtained from SPIL, including, but not limited to, production and sales costs, product price/quantity, suppliers and other information, unless otherwise agreed by SPIL and in compliance with Antitrust Law.

Except as set forth herein, in managing SPIL or handling SPIL matters, SPIL directors and/or managers shall not 11.7 violate their duty of loyalty or duty of care to SPIL, and shall protect SPIL without violating the interest of HoldCo.

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11.8 Where SPIL exercises its rights under Article 14.2, Article 14.3, Article 17.4 or other relevant provisions herein, it has the rights to initiate arbitration against HoldCo or its subsidiaries (other than SPIL) for dispute settlement.

**12. Principles in Dealing with Treasury Shares and Equity-Linked Securities**

12.1 ASE has repurchased treasury shares before the Share Exchange Record Date for the purpose of Share Exchange in cooperation with ASE's issuance of US\$200,000,000 unsecured foreign convertible bonds on July 2, 2015. However, the shares that have not been converted will continue to be owned by ASE and will be converted to the shares of HoldCo as of the Share Exchange Record Date in accordance with the Exchange Ratio for processing afterwards under the original purpose for repurchase of treasury shares or in accordance with relevant laws and regulations. The terms and conditions for conversion shall remain the same as original terms and conditions, except that the conversion price of the unsecured foreign convertible bonds shall be adjusted in accordance with Exchange Ratio.

12.2 For the outstanding balance of US\$400,000,000 unsecured foreign convertible bonds issued by ASE on September 5, 2013, except where the bonds have been redeemed or repurchased and cancelled or converted by the holders by exercising their conversion rights before Share Exchange Record Date, the holders of such unsecured foreign convertible bonds may, after ASE obtains approval from all relevant competent authorities and after Share Exchange Record Date, convert such outstanding balance into newly issued HoldCo common shares. The conversion shall be subject to applicable laws and the indenture of such unsecured foreign convertible bonds and the Exchange Ratio. The conversion of the unsecured foreign convertible bonds into HoldCo common shares does not require separate approval from ASE's board meeting or shareholders' meeting or HoldCo's shareholders' meeting.

12.3 For the stock options issued by ASE upon the approval from relevant competent authorities before the execution of this Agreement, HoldCo will assume ASE's obligations under the stock options as of the Share Exchange Record Date. Except that the exercise price and amount shall be adjusted in accordance with Exchange Ratio herein and that the shares subject to exercise shall be converted into HoldCo's newly issued common shares, all other terms and conditions for issuance will remain the same. The final execution arrangements shall be made by HoldCo in compliance with relevant laws and regulations and subject to the approval of relevant competent authorities.

12.4 ASE shall cause HoldCo to warrant, and warrants severally and jointly with HoldCo, to SPIL that, if any SPIL Foreign Convertible Bonds have not been redeemed or repurchased and cancelled or converted by the bond holders thereof by exercising their conversion rights as of the Share Exchange Record Date, HoldCo will pay the Cash Consideration (subject to adjustments in accordance



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with laws, regulations and/or applicable requirements under Article 4 hereof) to the bond holders thereof exercising their conversion rights after the Share Exchange Record Date. In addition, HoldCo and SPIL shall separately agree to execute a supplemental indenture with the trustee of SPIL Foreign Convertible Bonds whereby HoldCo and SPIL will become co-obligors in respect of the redemption of SPIL Foreign Convertible Bonds and HoldCo agrees to pay the Cash Consideration (subject to adjustment in accordance with laws, regulations and/or applicable requirements under Article 4 hereof) to the bond holders thereof exercising their conversion rights.

**13.**

**Appraisal Rights**

If a shareholder of either Party exercises its appraisal rights in relation to the Share Exchange under laws, such  
13.1 Party shall repurchase the shares of such dissenting shareholder in accordance with the procedures under the laws or regulations. Shares repurchased pursuant to this Article shall be dealt with under relevant laws and regulations.

**14. Events of Default**

If a Party fails to perform or breaches any of its obligations, undertakings or representations and warranties under this Agreement (a default by either HoldCo or ASE hereunder shall be deemed to be a joint default by HoldCo and ASE to which HoldCo and ASE shall be jointly and severally liable), and if such failure or breach is by its nature remediable, and the non-defaulting Party requests the defaulting Party in writing to remedy such failure or  
14.1 breach within 15 days, the failure to remedy in such period of time after receiving such notice shall constitute an event of default under this Agreement, provided, however, except as otherwise specifically provided in Article 14.3 hereof, any of the representations and warranties made by either Party prior to the Share Exchange Record Date, even though there was failure to perform or breach of any of those representations and warranties, shall be regarded as invalidated as of the Share Exchange Record Date.

If an event of default occurs and such event of default leads to the failure to consummate the Transaction on or before the Long Stop Date, the non-defaulting Party is entitled to terminate or cancel this Agreement and claim from the defaulting Party necessary expenses incurred in entering into this Agreement and the performance of the Transaction hereunder. The foregoing shall be in addition to, not in lieu of, the rights, remedies and damages  
14.2 available under laws; provided that if the non-defaulting Party's contributory negligence has contributed to the occurrence of such event of default, relevant costs shall be adjusted based on the proportion of contributory negligence, which may be determined by an expert appraiser appointed by both Parties without arbitration; the foregoing is also applicable, mutatis mutandis, to the offset between losses and gains, if any, of non-defaulting Party from such event of default.

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14.3 If a material event of default (“material event of default” refers to an event of breach under Article 8.1.1, Article 8.1.3, Article 8.1.5, Article 8.1.6, Article 8.2.2, Article 8.2.6, Article 8.3, Article 9, Article 10, Article 11, or the occurrence of a circumstance under Article 14.2) occurs, the non-defaulting Party shall not only be entitled to claim rights pursuant to the relevant provisions herein, but also entitled to claim liquidated damages of NT\$8.5 billion from the defaulting Party. In case of a contributory negligence as set forth in the second sentence of Article 14.2, the liquidated damages shall be adjusted accordingly.

**15. Termination of this Agreement**

15.1 Prior to the Share Exchange Record Date, unless agreed by ASE and SPIL in writing, a Party can terminate this Agreement by written notice to the other Party in any of the following situations:

15.1.1 Laws, judgments or orders of courts or orders or administrative decisions are issued by relevant competent authorities restricting or prohibiting this Transaction, provided that such restriction or prohibition has been confirmed and cannot be remedied with the adjustment of the content of this Agreement, either Party may terminate this Agreement by a written notice to the other Party.

15.1.2 This Agreement and the Transaction are not approved by either Party’s shareholders at the applicable shareholder meeting convened for such purpose.

15.2 Prior to the Share Exchange Record Date, ASE or SPIL may terminate this Agreement as follows:

15.2.1 If SPIL fails to perform or breaches any of its obligations, undertakings or representations and warranties under this Agreement (1) which leads to the failure to satisfy the conditions set forth in Article 6.2, and (2) such breach is by its nature remediable and cannot be or is not remedied by SPIL within 30 business days after receiving from ASE a written notice on such breach or failure to perform, and (3) which is not waived in writing by ASE, ASE may terminate this Agreement in writing.

15.2.2 If ASE fails to perform or breaches any of its obligations, undertakings or representations and warranties under this Agreement (1) which leads to the failure to satisfy the conditions set forth in Article 6.3, and (2) such breach is by its nature remediable and cannot be or is not remedied by ASE within 30 business days after receiving from SPIL a written notice on such breach or failure to perform, and (3) which is not waived in writing by SPIL, SPIL may terminate this Agreement in writing.

15.3 If the Transaction is not consummated on or before the Long Stop Date, this Agreement shall be terminated automatically at 0:00am on the day immediately following the Long Stop Date.

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After this Agreement is terminated or ceases to exist for any reason, except as otherwise provided by laws and regulations, either Party is entitled to request the other Party to return, within 7 business days after the termination of this Agreement, the documents, data, records, items, plans, trade secrets and any other tangible information that the other Party obtains pursuant to this Agreement. The Parties may retain the copies of such documents and information to the extent necessary to comply with relevant laws and regulations.

Unless terminated under Article 15.2.1, after this Agreement is terminated or ceases to exist for any reason, Article 8.1.1 and Article 8.2.5(3) hereof shall continue and remain the same effect within 6 months after the termination of this Agreement or its cessation to exist for any reason. ASE shall maintain its position as a financial investor without intervening SPIL's independent operation within this six-month period. The Parties shall enter into future cooperation plans by good faith negotiations within this six-month period.

## **16. Taxation and Expenses**

Unless as otherwise agreed in this Agreement, any taxes and expenses incurred in relation to the negotiation, execution or performance of this Agreement (including, but not limited to, legal fees, accounting fees and other consultant fees and any taxes or other relevant fees that shall be paid by HoldCo, either Party or its shareholders in accordance with applicable law) shall be borne by HoldCo, ASE, SPIL and/or their shareholders, respectively.

## **17. Other Agreements**

After the Transaction has been approved by the boards of directors of ASE and SPIL, and relevant information has been made public, in case that ASE and SPIL agree to enter into statutory share exchange with a party other than the Parties, which will result in additional parties participating in the Transaction, the previously completed procedures or legal actions in connection with the Transaction shall be re-conducted by all then-participating parties.

The interpretations, effectiveness and performance of this Agreement shall be governed by ROC law. Any matter not covered herein shall be addressed in accordance with the relevant laws and regulations.

If any provision of this Agreement violates relevant laws and regulations and thereby becomes invalid, the part which is in violation of such laws and regulations shall be invalid while other provisions of this Agreement shall remain valid. If an amendment to any provision of this Agreement is required according to an approval of competent authorities, due to change of law or regulation or as required by a fact, such amendment shall be made jointly upon approval of competent authorities and resolutions of the boards of directors of HoldCo and/or both Parties, and consent of each Party's general shareholders' meeting shall not be required.

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17.4 Disputes arising from this Agreement between ASE (and/or HoldCo) and SPIL shall be resolved by friendly negotiation as a first instance. In case that no agreement can be reached within 30 days after either Party requests in writing for negotiation, ASE (and/or HoldCo) and SPIL shall submit relevant disputes to the Chinese Arbitration Association in Taipei for arbitration in accordance with the Arbitration Law of the ROC. There shall be 3 arbitrators, one of whom shall be appointed by each of ASE (and/or HoldCo) and SPIL, and the presiding arbitrator shall be elected by the said 2 arbitrators. The arbitration shall be conducted in Chinese.

17.5 Except otherwise specifically agreed by both Parties in writing, ASE and SPIL agree that any oral or written discussions, agreements, contracts or undertakings entered into in relation to the Transaction (i.e. the Share Exchange) before this Agreement was executed shall be replaced by this Agreement and thereby be rendered invalid. In the event of any inconsistency in interpretation of meaning between the prior express agreement in writing and this Agreement, this Agreement shall prevail.

17.6 Amendments or alterations of this Agreement shall be made upon mutual written consent of both ASE (and HoldCo, if it has been established) and SPIL.

17.7 Either Party shall not transfer all or part of the rights under this Agreement to any third party or have any third party to assume all or part of the obligations under this Agreement without prior written consent of the other Party. As of the Execution Date, HoldCo has not yet been established; however, except to the extent applicable under law, as from the date that HoldCo's promoters meeting passes a resolution approving this Agreement, this Agreement will become effective upon HoldCo pending future establishment. ASE and HoldCo shall be jointly and severally liable to SPIL for all of HoldCo's obligations and duties to SPIL as agreed herein.

17.8 Before the Share Exchange Record Date, if either Party or HoldCo fails or delays its performance of the obligations under this Agreement due to a Force Majeure Event, it shall not be liable to the other Party. Upon occurrence of a Force Majeure Event, either Party shall notify the other Party within 5 days after it becomes aware of such events. Notwithstanding the foregoing, neither Party shall be exempted from continuing to perform its obligation under this Agreement as soon as possible when the Force Majeure Event shall have thereafter ceased.

17.9 Unless otherwise disclosed under relevant laws or regulations, this Agreement, orders or requirements of courts, competent authorities or stock exchanges or as necessary for the exercise, preservation or performance of the relevant rights and obligations by the Parties under this Agreement, the Parties and HoldCo agree to strictly keep the documents, data, records, items, plans, trade secrets, and other tangible and intangible information, which are of confidential nature and communicated or obtained from the other Party prior to the Share Exchange Record Date for the purposes of this Transaction, as confidential. The confidential

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obligations under this Article 17.9 shall survive the subsequent rescission, cancellation, termination or non-existence, for any reason, of this Agreement, except for any such information (1) which is generally known to the public due to reasons other than violation of this Agreement; (2) whose disclosure is required in order to avoid a violation of relevant laws and regulations; or (3) has been obtained by a Party from a third party who is legally entitled to obtain and disclose such information at the time when it obtains such document or information from the other Party.

17.10 Any notification in relation to this Agreement shall be delivered to the following address by registered letter or delivery in person. The notification shall become effective upon delivered to the following address. In case that the notification cannot be delivered, it shall be regarded as having been delivered when it is mailed at the first time.

Advanced Semiconductor Engineering, Inc.

Attention: Jason C.S. Chang, Chairman

Address: Room 1901, Floor 19, No. 333, Section 1, Keelung Road, Xinyi District, Taipei, Taiwan

Siliconware Precision Industries Co., Ltd.

Attention: Bough Lin, Chairman

Address: No. 123, Sec. 3, Da Fong Rd., Tantz, Taichung, Taiwan

17.11 All of the appendices hereto constitute an integral part of this Agreement with the same effect.

17.12 This Agreement shall become effective after it is signed and delivered by both ASE and SPIL.

17.13 This Agreement is made in duplicate originals, one to be retained by each Party.

[Remainder of This Page Intentionally Left Blank, Signature Page Follows]

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Parties

**Advanced Semiconductor Engineering, Inc. Siliconware Precision Industries Co., Ltd.**

Representative: Jason C.S. Chang

Representative: Bough Lin

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Appendix 1

ASE Industrial Holding Co., Ltd.

Articles of Incorporation

Chapter One: General Principals

*Article* The Company is called \_\_\_\_\_, and is registered as a company limited by shares according to the ROC Company Act.

1. The English name of the Company is ASE Industrial Holdings Co., Ltd.

*Article* The Company is engaged in the following businesses: H201010 General Investment Business

2. The investment made by the Company in other companies as a limited liability shareholder thereof is not subject to the limitation that such investment shall not exceed a certain percentage of the paid-in capital as set forth in the ROC Company Act.

*Article* The Company may provide external guaranty.

3. The Company's headquarter is located in the Nantze Export Processing Zone, Kaohsiung, Taiwan, R.O.C. and may set up domestic or foreign branches, offices or business establishments as resolved by the Board of Directors, if necessary.

**Chapter Two: Shares**

*Article* The Company's total capital is NT\$50 billion divided into 5 billion shares with a par value of NT\$10 per share. Stock options worth of NT\$4 billion are set aside for employee subscription. The Board of Directors is authorized to issue the unissued shares in installments if deemed necessary for business purposes.

6. The share certificates shall be in registered form and have the signatures or seals of at least three directors of the Company and shall be legally authenticated before issuance. In accordance with the provisions set forth in Article 162-2 of the ROC Company Act, the Company may choose to not provide share certificates in print form.

*Article* No registration of share transfer shall be made within sixty days before each ordinary general shareholders' meeting, or within thirty days before each extraordinary general shareholders' meeting or five days before the record date for dividends, bonuses or other distributions as determined by the Company.

7. No registration of share transfer shall be made within sixty days before each ordinary general shareholders' meeting, or within thirty days before each extraordinary general shareholders' meeting or five days before the record date for dividends, bonuses or other distributions as determined by the Company.

8. No registration of share transfer shall be made within sixty days before each ordinary general shareholders' meeting, or within thirty days before each extraordinary general shareholders' meeting or five days before the record date for dividends, bonuses or other distributions as determined by the Company.

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*Article* 9. The rules governing stock affairs of the Company shall be made pursuant to the laws and the regulations of the relevant authorities.

**Chapter Three: General Shareholders' Meeting**

*Article* 10. General shareholders' meetings include ordinary meetings and extraordinary meetings. Ordinary meetings shall be convened according to law by the Board of Directors once annually according to the law within 6 months after the end of each fiscal year. Extraordinary meetings will be held according to the law whenever necessary.

*Article* 11. General shareholders' meetings shall be convened by written notice stating the date, place and purpose dispatched to each shareholder at least 30 days, in the case of ordinary meetings, and 15 days, in the case of extraordinary meetings, prior to the date set for such meeting.

*Article* 12. Unless otherwise required by the ROC Company Act, shareholders' resolutions shall be adopted by at least half of the votes of the shareholders present at a general shareholders' meeting who hold at least half of all issued and outstanding shares of the Company.

*Article* 13. Each shareholder of the Company shall have one vote per share, unless otherwise provided by Article 179 of the ROC Company Act.

*Article* 14. Any shareholder, who for any reason is unable to attend general shareholders' meetings, may execute a proxy printed by the Company, in which the authorized matters shall be expressly stated, to authorize a proxy to attend the meeting for him/her. Such proxy shall be submitted to the Company at least 5 days prior to the general shareholders' meeting.

*Article* 15. The general shareholders' meeting shall be convened by the Board of Directors unless otherwise stipulated in the ROC Company Act, and the person presiding over the meeting will be the Chairman of the Board of Directors (the "Chairman"). If the Chairman is on leave or for any reason cannot discharge his duty, Paragraph 3 of Article 208 of the ROC Company Act should apply. If the general shareholders' meeting is convened by a person entitled to do so other than a member of the Board of Directors, that person shall act as the person presiding over the meeting. If two or more persons are entitled to call the general shareholders' meeting, those persons shall elect one to act as the person presiding over the meeting.

**Chapter Four: Director and Supervisor**

*Article* 16. The Company shall have nine to thirteen directors and also three supervisors to be elected by the general shareholders' meeting from



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candidates with legal capacity. Each director or supervisor shall hold office for a term of three years, and may continue to serve in the office if re-elected.

The election of the directors and supervisors of the Company shall be conducted pursuant to Article 198 of the ROC Company Act and relevant regulations.

*Article 16-1.* Since the second Board of Directors term, the Company shall have thirteen directors, of which there shall be three independent directors and ten non-independent directors, to be elected by the general shareholders' meeting from candidates with legal capacity. Each director shall hold office for a term of three years, and may continue to serve in the office if re-elected.

The election of the directors and supervisors of the Company shall be conducted pursuant to Article 198 of the ROC Company Act and relevant regulations.

When handling the aforementioned election of directors, the election of independent directors and non-independent directors should be held together, provided, however, that the number of independent directors and non-independent directors elected shall be calculated separately; those that receive votes representing more voting rights will be elected as independent directors or non-independent directors.

Upon the expiry of the term of office of the first supervisors of the Company elected, the provisions regarding supervisors under these Articles of Incorporation of the Company shall cease to apply. The Company shall then establish an audit committee in lieu of supervisors in accordance with Article 14-4 of the ROC Securities and Exchange Act to exercise the powers and duties of supervisors stipulated in the ROC Company Act, the ROC Securities and Exchange Act, and other applicable laws and regulations. The audit committee shall comprise solely of the independent directors. The responsibilities, powers and other related matters of the audit committee shall be separately stipulated in rules adopted by the Board of Directors in accordance with applicable laws and regulations.

The election of the Company's independent directors uses the candidate nomination system. Shareholders who hold 1% or more of the Company's issued shares and the Board of Directors may nominate a list of candidates for independent directors. After the Board of Directors examines and confirms the qualifications of the candidate(s) for serving as an independent director, the name(s) is/are sent to the general shareholders' meeting for election. If the general shareholders' meeting is convened by a person entitled to do so other

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than a member of the Board of Directors, after such person examines and confirms the qualifications of the candidate(s) for serving as an independent director, the name(s) is/are sent to the general shareholders' meeting for election. All matters regarding the acceptance method and announcement of the nomination of candidates for independent directors will be handled according to the ROC Company Act, the ROC Securities and Exchange Act, and other relevant laws and regulations.

The remuneration of the Company's independent directors is set at NT\$3 million per person annually. For those that do not serve a full year, the remuneration will be calculated in proportion to the number of days of the term that were actually served. The additional remuneration of the Company's independent directors who are also the members of the Company's Compensation Committee is set at NT\$ 360,000 per person annually. For those that do not serve a full year, the additional remuneration will be calculated in proportion to the number of days of the term that were actually served.

*Article 16-2.* The Board of Directors is constituted by directors. Their powers and duties are as follows:

- (1). Preparing business plans;
- (2). Preparing surplus distribution or loss make-up proposals;
- (3). Preparing proposals to increase or decrease capital;
- (4). Reviewing material internal rules and contracts;
- (5). Hiring and discharging the general manager;
- (6). Establishing and dissolving branch offices;
- (7). Reviewing budgets and audited financial statements; and
- (8). Other duties and powers granted by or in accordance with the ROC Company Act or shareholders' resolutions.

*Article 17.* The Board of Directors is constituted by directors, and the Chairman and Vice Chairman are elected by more than half of the directors at a board meeting at which two-thirds or more of the directors are present. If the Chairman is on leave or for any reason cannot discharge his duties, his/her acting proxy shall be elected in accordance with Article 208 of the ROC Company Act.

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*Article* Board of Directors meetings shall be convened according to the law by the Chairman according to the law, unless otherwise stipulated by the ROC Company Act. Board of Directors meetings can be held at the place that the Company is headquartered, or at any place that is convenient for the directors to attend and appropriate for the meeting to be convened, or via video conference.

*Article 19-1.* Directors and supervisors shall be notified of Board of Director meetings no later than seven days prior to the meetings. However, in case of any emergency, a Board of Directors meeting may be convened at any time. Notifications of Board of Directors meetings may be in writing or via email or fax.

*Article 20.* A director may execute a proxy to appoint another director to attend the Board of Directors meeting and to exercise his/her voting right, but a director can accept only one proxy.

**Chapter Five: Manager**

*Article 21.* This company has one general manager. The appointment, discharge and salary of the general manager shall be managed in accordance with Article 29 of ROC Company Act.

**Chapter Six: Accounting**

*Article 22.* The fiscal year of the Company starts from January 1 and ends on December 31 every year. At the end of each fiscal year, the Board of Directors shall prepare financial and accounting books in accordance with the ROC Company Act and submit them according to law to the ordinary general shareholders' meeting for approval.

*Article 23.* If the Company is profitable, 0.1% (inclusive) to 1% (inclusive) of the profits shall be allocated as compensation to employees and 0.75% (inclusive) or less of the profits should be allocated as compensation to directors. While the Company has accumulated losses, the profit shall be set aside to compensate losses before distribution.

The compensation being distributed to employees in the form of stock or cash shall be approved by more than half of the directors at a board meeting at which two-thirds or more of the directors are present and report to the general shareholders' meeting.

"Employees" referred to in paragraph 1 above includes employees of subsidiaries who meet certain qualifications. Such qualifications are to be determined by the Board of Directors.

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*Article*  
24. The annual net income (“Income”) shall be distributed in the order of Article 24.  
sequences below:  
(1) Making up for losses, if any.  
(2) 10% being set aside as legal reserve.  
(3) Allocation or reversal of a special surplus reserve in accordance with laws or regulations set forth by the authorities concerned.  
(4) Addition or deduction of the portion of retained earnings that are equity investment gains or losses that have been realized and measured at fair value through other overall gains or losses.  
The remainder plus the undistributed earnings shall be distributed in accordance with the proposal submitted by the Board of Directors and adopted by the general shareholders’ meeting.

**Chapter Seven: Appendix**

*Article*  
26. The bylaws and rules of procedure of the Company shall be stipulated separately.

*Article*  
27. Any matter not covered by these Articles of Incorporation shall be subject to the ROC Company Act.

*Article*  
28. These Articles of Incorporation were made on [DATE], 2018 as approved by all the promoters.

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Appendix 2

Proxy Statements. After the date for general shareholders' meetings of both Parties has been jointly agreed upon by both Parties in good faith and goodwill in accordance with Article 5.1 of this Agreement, ASE and SPIL shall each prepare a proxy statement relating to their respective authorization and approval of this Agreement and the Transaction by their respective general shareholders' meeting, including their respective notice convening an extraordinary shareholders' meeting (each, the "**ASE Proxy Statement**" (in case of ASE) and the "**SPIL Proxy Statement**" (in case of SPIL), and collectively, the "**Proxy Statements**").

Registration Statement. ASE shall prepare the relevant documents, and file with SEC a registration statement on Form F-4 with respect to the HoldCo common shares (the "Registration Statement") and shall use its reasonable best efforts to cause the Registration Statement to be declared effective under the Securities Act of 1933 as promptly as practicable after the Execution Date and to maintain the Registration Statement effective for so long as is necessary to consummate the Transaction.

Schedule 13E-3. Concurrently with the preparation and filing of the Registration Statement and the preparation of the Proxy Statements, SPIL and ASE shall each prepare and file with SEC a Rule 13E-3 Transaction Statement under Section 13(e) of the Securities Exchange Act of 1934 (the "**Exchange Act**") with respect to the Transaction. ASE and SPIL shall cooperate and communicate with each other in preparation of the their respective "Schedules 13E-3" filing (each a "Schedule 13E-3", and collectively, the "**Schedule 13E-3 Filings**"), including, without limitation, furnishing to each other the information required by the Exchange Act to be set forth in a Schedule 13E-3 (the Schedules 13E-3 and the Registration Statement collectively, the "**SEC Filings**").

SEC Comments. ASE and SPIL shall respond as promptly as practicable and reasonable to any comments made by the SEC with respect to the SEC Filings and will provide each other with copies of all correspondence with respect to the SEC Filings as promptly as practicable and reasonable. Both SPIL and ASE agree to not to file or mail any SEC Filings, including any amendment or supplement thereto or any response to SEC's comments, unless each Party has had a reasonable opportunity to review and comment on such SEC Filings and such comments have been reasonably incorporated into such SEC Filings. After the SEC confirms that it has no further comments to the SEC Filings, ASE and SPIL shall mail as promptly as practicable and reasonable the applicable SEC Filings and Proxy Statements, if necessary, to their respective ADR shareholders and thereafter promptly circulate amended, supplemental or supplemented proxy material.

5. Information Supplied. SPIL and ASE shall each promptly furnish all information as may be reasonably requested in connection with the preparation, filing and

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mailing of SEC Filings or the Proxy Statements or any other documents filed or to be filed with SEC in connection with the Transaction.

ASE's and SPIL's Extraordinary General Shareholders' Meetings. From the working day immediately following the date on which SEC confirms that it has no further comments on the SEC Filings, (i) ASE shall (x) cause its board of directors pass a resolution to call an extraordinary general shareholders' meeting (the "**ASE Extraordinary Shareholders' Meeting**") and set a record date and a date of meeting (the date of meeting must be in accordance with Article 5.1 thereof and within 70 calendar days after the next day after SEC confirms that it has no further comments on the SEC Filings) as promptly as practicable after the date on which the ASE Proxy Statement is mailed to the ASE shareholders for the purpose of obtaining shareholder approval of the Transaction, and circulate, in accordance with law, the notice and procedure manual of ASE Extraordinary Shareholders' Meeting after ASE Proxy Statement is mailed to ASE's shareholders and (y) mail or cause to be mailed notice of the ASE Extraordinary Shareholders' Meeting and form of proxy accompanying the ASE Proxy Statement that will be provided to the ASE shareholders in connection with the solicitation of proxies for use at the ASE Extraordinary Shareholders' Meeting and (ii) SPIL shall (x) cause its board of directors pass a resolution to call an extraordinary general shareholders' meeting (the "**SPIL Extraordinary Shareholders' Meeting**") and set a record date and a date of meeting (the date of meeting must be in accordance with Article 5.1 thereof and within 70 calendar days after the next day when SEC confirms after it has no further comments on the SEC Filings) as promptly as practicable after the date on which the SPIL Proxy Statement is mailed to the SPIL's shareholders for the purpose of obtaining shareholder approval of the Transaction, and circulate, in accordance with law, the notice and procedure manual of SPIL Extraordinary Shareholders' Meeting after SPIL Proxy Statement is mailed to SPIL's shareholders and (y) mail or cause to be mailed notice of the SPIL Extraordinary Shareholders' Meeting and form of proxy accompanying the SPIL Proxy Statement that will be provided to the SPIL shareholders in connection with the solicitation of proxies for use at the SPIL Extraordinary Shareholders' Meeting. ASE Extraordinary Shareholders' Meeting and SPIL Extraordinary Shareholders' Meeting shall be held on the same date to approve this Agreement and the Transaction in a share exchange resolution based on the terms of this Agreement in accordance with the Republic of China Enterprise Mergers and Acquisitions Act.

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Appendix 3

SPIL Disclosure Letter

As of June 29, 2016, no events listed in Article 7.3 hereof causing any SPIL Material Adverse Effect Event which shall be disclosed occurred, provided that the Parties agree that SPIL may update this Appendix 3 to this Agreement (i.e. the SPIL Disclosure Letter), to disclose the necessary events that occur from the Execution Date until the Share Exchange Record Date.

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Appendix 4

ASE Industrial Holding Co., Ltd.



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**Annex A-2**

**Supplemental Agreement**

to

**Joint Share Exchange Agreement**

**Preamble**

This Supplemental Agreement (this “**Agreement**”) to Joint Share Exchange Agreement (as defined below) is entered into on December 14, 2017 (the “**Execution Date**”) by and between:

- Advanced Semiconductor Engineering, Inc. (“**ASE**”), a company incorporated under Republic of China (“**ROC**”) (1) laws, with its address at No. 26, Chin Third Road, Nantze Export Processing Zone, Nantze District, Kaohsiung City, Taiwan; and
- (2) Siliconware Precision Industries Co., Ltd. (“**SPIL**”), a company incorporated under ROC laws, with its address at No. 123, Section 3, Da Fong Road, Tantz District, Taichung City, Taiwan.

WHEREAS ASE and SPIL (collectively, the “**Parties**”) have entered into the Joint Share Exchange Agreement (the “**Joint Share Exchange Agreement**”) on June 30, 2016 whereby ASE will file an application to establish a holding company (“**HoldCo**”) by means of a statutory share exchange, and HoldCo will acquire all issued and outstanding shares of both ASE and SPIL. After the closing of the share exchange, ASE and SPIL will become wholly-owned subsidiaries of HoldCo concurrently (the “**Transaction**” or “**Share Exchange**”).

NOW THEREFORE, IN WITNESS WHEREOF, the Parties have entered into this Agreement for the purpose of completing the Transaction, as follows:

**1. Long Stop Date**

- 1.1 Both Parties agree to amend the definition of Long Stop Date (the “**Long Stop Date**”) as set forth in the Joint Share Exchange Agreement to read as follows:

Long Stop Date refers to October 31, 2018 or a later date otherwise agreed in writing by both Parties.

**2. Other Agreements**

2.1 This Agreement shall be deemed to be part of the Joint Share Exchange Agreement, provided that the terms of this Agreement shall prevail in case of discrepancy between this Agreement and the Joint Share Exchange Agreement. The Joint Share Exchange Agreement shall be applicable to matters not covered herein. Capitalized terms undefined herein shall have the meaning ascribed to them in the Joint Share Exchange Agreement.

2.2 The interpretations, effectiveness and performance of this Agreement shall be governed by ROC law. Any matter not covered herein shall be addressed in accordance with Joint Share Exchange Agreement and relevant laws and regulations.

2.3 Pursuant to Article 17.3 of Joint Share Exchange Agreement, this Agreement shall become effective after it is signed and delivered by both Parties and upon approval by their respective board of directors.

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2.4 This Agreement is made in duplicate originals, one to be retained by each Party.

**[Remainder of This Page Intentionally Left Blank, Signature Page Follows]**

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Parties

**Advanced Semiconductor Engineering, Inc. Siliconware Precision Industries Co., Ltd.**

Representative: Jason C.S. Chang

Representative: Bough Lin

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## Independent Expert Opinion

on the Fairness of the Consideration for Joint Share Exchange in the Joint Share Exchange Memorandum of Understanding between Advanced Semiconductor Engineering, Inc. and Siliconware Precision Industries Co., Ltd.

## I. Introduction

Both Advanced Semiconductor Engineering Inc. (“**ASE**”) and Siliconware Precision Industries Co., Ltd. (“**SPIL**”) are the world’s leading companies in semiconductor packaging and testing sector. ASE and SPIL intend to enter into the Joint Share Exchange Memorandum of Understanding (“**MOU**”) to newly establish an investment holding company (“**HoldCo**”) by joint share exchange whereby both ASE and SPIL will become wholly-owned subsidiaries of HoldCo, in order to pursue their operating scale and improve their overall operating performance while taking into account of the flexibility and efficiency of their individual independent operations (“**Share Exchange**”). The Share Exchange will result in the exchange of all of ASE common shares in consideration for newly issued common shares of HoldCo, at an exchange ratio of each ASE common share for 0.5 HoldCo common share. Furthermore, the Share Exchange will result in the exchange of each of SPIL’s issued and outstanding shares for NT\$55 in cash payable by HoldCo. The fairness of the consideration for Share Exchange under MOU is described and evaluated as below.

## II. Financial Position

Financial position of ASE and SPIL for the last two years and the first quarter of 2016 are summarized as below:

Item	(1) ASE		
	Year		First quarter
	2014	2015	of 2016
	NT\$(in thousands)		
Total assets	333,984,767	365,287,557	356,490,231
Total liabilities	175,546,763	196,867,675	187,752,829
Total equity attributable to owners of parent	150,218,907	156,916,004	158,016,614
Share capital	78,715,179	79,185,660	79,279,129
Operating income	256,591,447	283,302,536	62,371,082
Net profit - attributable to owners	23,636,522	19,478,873	4,163,477

Sources: Audited financial statements of ASE for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

(2)

SPIL

Item	Year		First quarter of 2016
	2014	2015	
	NT\$(in thousands)		
Total assets	129,756,075	123,245,230	122,855,285
Total liabilities	57,649,456	52,644,588	50,446,781
Total equity attributable to owners of parent	72,106,619	70,600,642	72,408,504
Share capital	31,163,611	31,163,611	31,163,611
Operating income	83,071,441	82,839,922	19,299,310
Net profit - attributable to owners of parent	11,744,414	8,762,257	1,604,028

Sources: Audited financial statements of SPIL for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

### III. Sources of Information

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(1) Audited financial statements of ASE and SPIL for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

(2) Business overviews, financial statements and other important information for evaluation purposes regarding ASE, SPIL and their peers obtained from Market Observation Post System.

Information from website of the Taiwan Stock Exchange, website of the Taipei Exchange (GreTai Securities Market), Taiwan Economic Journal (TEJ) Database and Bloomberg's complied comparison, analysis and historical stock price data of ASE, SPIL and their peers.

(4) Information on the industry and peers of ASE and SPIL.

IV. Consideration for Share Exchange and Fairness thereof

The consideration for Share Exchange will be at an exchange ratio of each ASE common share for 0.5 HoldCo common share and each of SPIL's issued and outstanding shares for NT\$55 in cash payable by HoldCo. After the completion of the Share Exchange, both ASE and SPIL will become wholly-owned subsidiaries of HoldCo. The fairness of consideration for Share Exchange in respect of each of ASE and SPIL is described and evaluated as below:

(A) ASE

1. ASE shareholders will contribute all the common shares held by them in ASE as of the share exchange record date in consideration of issue of their subscribed common shares required for the establishment of HoldCo. Following consummation of the Share Exchange, ASE will become a wholly-owned subsidiary of HoldCo, and previous ASE shareholders will become HoldCo shareholders. As such, similar to SPIL's cash consideration of NT\$55, ASE will become a wholly-owned subsidiary of HoldCo by exchange of the shares of one single company; theoretically, the rights of previous ASE shareholders will not be affected by the exact Share Exchange ratio.

2. According to ASE's reviewed consolidated financial statements as of March 31, 2016, its equity attributable to owners of parent amounted to NT\$158,016,614,000; based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, ASE had a total of 7,918,272,896 issued and outstanding common shares as of April 26, 2016. Therefore, its net book value per common share was NT\$19.956. Each ASE common share will be exchanged for 0.5 HoldCo common share resulting in 3,959,136,448 HoldCo common shares as of the share exchange record date. In addition, the net book value per common share as calculated based on ASE's equity attributable to owners of parent to be assumed by HoldCo will be increased in the ratio of 1:0.5. Based on ASE's equity attributable to owners of parent as of March 31, 2016, HoldCo's net book value per common share would be NT\$39.912 per share. For HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be impaired in any way by the Share Exchange ratio.

Net value of ASE's equity attributable to owners of parent as of the share exchange record date may vary from that as of March 31, 2016. However, ASE shareholders will contribute all the common shares held by them in ASE as of 3. the share exchange record date in consideration of and exchange for the common shares required for the establishment of HoldCo. As such, for HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be affected as a result of the Share Exchange.

In summary, it shall be fair and reasonable for all of ASE's issued and outstanding shares to be exchanged for and in consideration of newly issued common shares of HoldCo at an exchange ratio of each ASE common share for 0.5 HoldCo common share resulting in ASE to become a wholly-owned subsidiary of HoldCo.

(B)SPIL

1. Methodologies Used

There are many methods for evaluating stock value. In practice, common methods include: market approach, such as market price approach (focusing on listed target companies; the fair value can be estimated by market price on the stock exchange) and market comparison approach (based on financial

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information of target companies and their peers in the market, using market multiplier such as price-earnings ratio, price-book ratio for analysis and evaluation); income approach; and cost approach.

Among these methods, income approach requires the Company's estimates of future cash flow, involving multiple assumptions and having a higher uncertainty. Given its less objective nature compared to other methods, this method is not used. Cost approach examines and weighs SPIL's business model and capital structure. Therefore, it is not appropriate for valuation and also not used. As such, we intend to use the market approach as primary evaluation method while taking into account of other non-quantitative factors, to evaluate the reasonable consideration of the Share Exchange for SPIL.

## 2. Selection of Peers

Based on customer attributes, business activities and business model, ChipMOS Technologies (Bermuda) Ltd. ("**ChipMOS**"), Chipbond Technology Corporation ("**Chipbond**") and Powertech Technology Inc. ("**Powertech**") are selected as peers. The following table lists the financial conditions of these 3 peers for the first quarter of 2016:

Items	Peers		
	ChipMOS (8150)	Chipbond (6147)	Powertech (6239)
	NT\$(in thousands)		
Total assets	32,404,046	36,230,116	70,446,410
Total liabilities	13,385,676	11,852,343	27,389,980
Total equity attributable to owners of parent	19,018,370	23,575,971	34,653,945
Share capital	8,957,836	6,492,620	7,791,466
Net value per share- attributable to owners of parent (NT\$) (Note 1)	21.20	36.31	44.48
Operating income	4,724,139	3,733,921	10,618,124
Net profit - attributable to owners of parent	348,423	201,453	940,031
Earnings per share - attributable to owners of parent (NT\$) (Note 2)	2.09	2.64	5.37

Source: Audited or reviewed consolidated financial statements of three peers for the first quarter of 2016

Net value per share is calculated based on the number of common shares of the respective peer obtained from Note 1: the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs.

Note 2: Earnings per share are estimated for the four quarters ended the first quarter of 2016 based on the net profit attributable to owners of parent in the respective peer's consolidated financial statements for the year 2015 and the first quarter of 2016, number of common shares obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data.

### 3. Valuation

#### (1) Market Price Approach

As SPIL is a listed company with its open market trading prices available for objective reference, this opinion sampled its recent publicly traded prices to evaluate the average closing prices for 60, 90 and 180 business days up to and including the valuation date of May 25, 2016 as follows:

Item	Average closing price NT\$	Theoretical price range
Latest 60 business days	49.18	
Latest 90 business days	50.04	47.13 ~ 50.04
Latest 180 business days	47.13	

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (8/28/2015~5/25/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

#### (2) Price-book Ratio Approach

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The reasonable value per share of SPIL is estimated by calculating the net book value per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. The price-book ratios of publicly traded peers are calculated using their closing prices for 180 business days up to and including the valuation date of May 25, 2016 for sampling purposes and based on the total equity attributable to owners of parent in the respective peer's consolidated financial statements for the first quarter of 2016, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

Comparable peers	AverageNet closing value		Price-book ratio
	price for latest 180 business days NT\$	per share for the first quarter of 2016	
ChipMOS	32.53	21.20	1.53
Chipbond	47.86	36.31	1.32
Powertech	66.98	44.48	1.51

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (8/28/2015~5/25/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

Item	Description NT\$
Range of multipliers	1.32 ~ 1.53
Net value per share of SPIL for the first quarter of 2016	23.23
Theoretical price range	30.66 ~ 35.54

(3)Price-earnings Ratio Approach

The reasonable value per share of SPIL is estimated by calculating the earnings per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. Earnings per share for the four quarters ended the first quarter of 2016 are estimated, and thereby the average price-earnings ratios of publicly traded peers are calculated, using their closing prices for 180 business days up to and including the valuation date of May 25, 2016 for sampling purposes and based on the net profits attributable to owners of parent in the respective peer's consolidated financial statements for 2015 and the first quarter of 2016, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

Comparable peers	Average closing price for latest 180 business days NT\$	Earnings per share in last four quarters	Price-earnings ratio
ChipMOS	32.53	2.09	15.56
Chipbond	47.86	2.64	18.13
Powertech	66.98	5.37	12.47

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note:(8/28/2015~5/25/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

Item	Description
	NT\$
Range of multipliers	12.47 ~ 18.13
Consolidated earnings per share of SPIL	2.49

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Item	Description NT\$
Theoretical price range	31.05 ~ 45.14

## (4) Conclusion

Calculation results of value of common shares under the foregoing evaluation methods are summarized as below. The above three methods have their theoretical and practical basis. Therefore, for avoidance of biases in the evaluation process, the imputation used 33.3% for purposes of weighted averaging by taking into account of other non-quantitative key factors with reference to the statistics of Bloomberg and the average premium rate of 33.24% of the global merger and acquisition cases in semiconductor industry since the third quarter of 2015. On these basis, the reasonable price range per share of SPIL shall be from NT\$48.34 to NT\$58.05. As such, we are of opinion that it shall be fair and reasonable for each SPIL common share in exchange of NT\$55 in cash.

Evaluation method	Reference price range per share NT\$	Weight	Theoretical price range per share	Reference price range after adjustment
Market Price Approach	47.13~50.04	33.3%		
Price-book Ratio Approach	30.66~35.54	33.3%	36.28~43.57	48.34~58.05
Price-earnings Ratio Approach	31.05~45.14	33.3%		

## V. Conclusion

In summary, ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo by the joint share exchange. In relation to the Share Exchange, I, as the accountant, am of the opinion that it shall be fair and reasonable for each ASE common share in exchange for 0.5 HoldCo common share and each SPIL common share in exchange of NT\$55 in cash.

By: /s/ Ji-Sheng Chiu  
Name: Ji-Sheng Chiu  
Title: Certified Public Account

May 25, 2016

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Statement of Independence

I am engaged to provide opinion of evaluation on the fairness of the joint share exchange, through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

In order to perform the above task, I hereby state that:

1. Neither I nor my spouse is currently employed by ASE, SPIL or the underwriter to undertake any work on regular basis and be compensated at a fixed amount;
2. Neither I nor my spouse has ever served at ASE, SPIL or the underwriter in preceding two years;
3. Neither I nor my spouse serve at an affiliate of ASE, SPIL or the underwriter;
4. I am not the spouse or two or less-degree relative of any responsible officer or manager of ASE, SPIL or the underwriter;
5. Neither I nor my spouse have any investment in or share any interest with ASE, SPIL or the underwriter;
6. I am not an accountant of ASE, SPIL or the underwriter.
7. I am not the current director, supervisor or their spouse or two or less-degree relatives of Taiwan Stock Exchange Corporation; and
8. Neither I nor my spouse serve at a company that conducts business with ASE or SPIL.

I have been upholding the principles of impartiality, objectiveness and independence in issuing the expert evaluation opinion on the fairness of the joint share exchange through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

By: /s/ Ji-Sheng Chiu  
Name: Ji-Sheng Chiu  
Title: Account

(Seal)

May 25, 2016

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Resume of Independent Expert

**Name:** Ji-Sheng Chiu

Qualification:

Certified Public Accountant, Republic of China (Taiwan)

Education:

Statistics Department, National Cheng Kung University

Accounting School, Soochow University

Credit course, Law Institute, National Taipei University

Work Experience:

Crowe Horwath (TW) CPAs Manager/Assistant Manager  
(previously known as First United CPA Office)

Diwan & Company

Crowe Horwath (TW) CPAs

Senior Manager

Accountant

Current Offices:

Crowe Horwath (TW) CPAs Partner

Taipei Accountants' Association Director, Regular Lecture

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## Annex B-2

**Independent Expert Opinion  
on the Fairness of the Consideration for Joint Share Exchange in the Joint Share Exchange Agreement  
between Advanced Semiconductor Engineering, Inc. and Siliconware Precision Industries Co., Ltd.**

## I. Introduction

Both Advanced Semiconductor Engineering Inc. (“**ASE**”) and Siliconware Precision Industries Co., Ltd. (“**SPIL**”) are the world’s leading companies in semiconductor packaging and testing sector. ASE and SPIL intend to enter into the Joint Share Exchange Agreement to newly establish ASE Industrial Holding Co., Ltd. (“**HoldCo**”) by joint share exchange whereby both ASE and SPIL will become wholly-owned subsidiaries of HoldCo, in order to pursue their operating scale and improve their overall operating performance while taking into account of the flexibility and efficiency of their individual independent operations (“**Share Exchange**”). The Share Exchange will result in the exchange of all of ASE common shares in consideration for newly issued common shares of HoldCo, at an exchange ratio of each ASE common share for 0.5 HoldCo common share. Furthermore, the Share Exchange will result in the exchange of each of SPIL’s issued and outstanding shares for NT\$55 in cash payable by HoldCo (“**Cash Consideration**”). The Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL’s annual general shareholder’s meeting for 2016. The fairness of the consideration for the Share Exchange under the Share Exchange Agreement is described and evaluated as below.

## II. Financial Position

Financial position of ASE and SPIL for the last two years and the first quarter of 2016 are summarized as below:

Item	(1) ASE		
	Year 2014	2015	First quarter of 2016
	NT\$(in thousands)		
Total assets	333,984,767	365,287,557	356,490,231
Total liabilities	175,546,763	196,867,675	187,752,829
Total equity attributable to owners of parent	150,218,907	156,916,004	158,016,614
Share capital	78,715,179	79,185,660	79,279,129
Operating income	256,591,447	283,302,536	62,371,082

Net profit - attributable to owners 23,636,522 19,478,873 4,163,477

Sources: Audited financial statements of ASE for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

(2)

SPII

Item	Year		First quarter of 2016
	2014	2015	
	NT\$(in thousands)		
Total assets	129,756,075	123,245,230	122,855,285
Total liabilities	57,649,456	52,644,588	50,446,781
Total equity attributable to owners of parent	72,106,619	70,600,642	72,408,504
Share capital	31,163,611	31,163,611	31,163,611
Operating income	83,071,441	82,839,922	19,299,310
Net profit - attributable to owners of parent	11,744,414	8,762,257	1,604,028

Sources: Audited financial statements of SPII for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

### III. Sources of Information

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(1) Audited financial statements of ASE and SPIL for the years of 2014 and 2015 and reviewed financial statements for the first quarter of 2016.

(2) Business overviews, financial statements and other important information for evaluation purposes regarding ASE, SPIL and their peers obtained from Market Observation Post System.

(3) Information from website of the Taiwan Stock Exchange, website of the Taipei Exchange (GreTai Securities Market), Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, Taiwan Economic Journal (TEJ) Database and Bloomberg's complied comparison, analysis and historical stock price data of ASE, SPIL and their peers.

(4) Information on the industry and peers of ASE and SPIL.

IV. Consideration for Share Exchange and Fairness thereof

The consideration for Share Exchange will be at an exchange ratio of each ASE common share for 0.5 HoldCo common share and each of SPIL's issued and outstanding shares for Cash Consideration of NT\$55 payable by HoldCo. The Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual general shareholder's meeting for 2016. After the completion of the Share Exchange, both ASE and SPIL will become wholly-owned subsidiaries of HoldCo. The fairness of consideration for Share Exchange in respect of each of ASE and SPIL is described and evaluated as below:

(A) ASE

ASE shareholders will contribute all the common shares held by them in ASE as of the share exchange record date in consideration of issue of their subscribed common shares required for the establishment of HoldCo. Following consummation of the Share Exchange, ASE will become a wholly-owned subsidiary of HoldCo, and previous ASE shareholders will become HoldCo shareholders. As such, similar to SPIL's Cash Consideration, ASE will become a wholly-owned subsidiary of HoldCo by exchange of the shares of one single company; theoretically, the rights of previous ASE shareholders will not be affected by the exact Share Exchange ratio.

2. According to ASE's reviewed consolidated financial statements as of March 31, 2016, its equity attributable to owners of parent amounted to NT\$158,016,614,000; based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, ASE had a total of 7,918,272,896 issued and outstanding common shares as of April 26, 2016. Therefore, its net book value per common share was NT\$19.956. Each ASE common share will be exchanged for 0.5 HoldCo common share resulting in 3,959,136,448 HoldCo common shares as of the share exchange record date. In addition, the net book value per common share as calculated based on ASE's equity attributable to owners of parent to be assumed by HoldCo will be increased in the ratio of 1:0.5. Based on ASE's equity attributable to owners of parent as of March

31, 2016, HoldCo's net book value per common share would be NT\$39.912 per share. For HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be impaired in any way by the Share Exchange ratio.

Net value of ASE's equity attributable to owners of parent as of the share exchange record date may vary from that as of March 31, 2016. However, ASE shareholders will contribute all the common shares held by them in ASE as of 3. the share exchange record date in consideration of and exchange for the common shares required for the establishment of HoldCo. As such, for HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be affected as a result of the Share Exchange.

In summary, it shall be fair and reasonable for all of ASE's issued and outstanding shares to be exchanged for and in consideration of newly issued common shares of HoldCo at an exchange ratio of each ASE common share for 0.5 HoldCo common share resulting in ASE to become a wholly-owned subsidiary of HoldCo.

(B)SPIL

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## 1. Methodologies Used

There are many methods for evaluating stock value. In practice, common methods include: market approach, such as market price approach (focusing on listed target companies; the fair value can be estimated by market price on the stock exchange) and market comparison approach (based on financial information of target companies and their peers in the market, using market multiplier such as price-earnings ratio, price-book ratio for analysis and evaluation); income approach; and cost approach.

Among these methods, income approach requires the Company's estimates of future cash flow, involving multiple assumptions and having a higher uncertainty. Given its less objective nature compared to other methods, this method is not used. Cost approach examines and weighs SPIL's business model and capital structure. Therefore, it is not appropriate for valuation and also not used. As such, we intend to use the market approach as primary evaluation method while taking into account of other non-quantitative factors, to evaluate the reasonable consideration of the Share Exchange for SPIL.

## 2. Selection of Peers

Based on customer attributes, business activities and business model, ChipMOS Technologies (Bermuda) Ltd. ("ChipMOS"), Chipbond Technology Corporation ("Chipbond") and Powertech Technology Inc. ("Powertech") are selected as peers. The following table lists the financial conditions of these 3 peers for the first quarter of 2016:

Unit:

Items	Peers		
	ChipMOS (8150)	Chipbond (6147)	Powertech (6239)
	NT\$(in thousands)		
Total assets	32,404,046	36,230,116	70,446,410
Total liabilities	13,385,676	11,852,343	27,389,980
Total equity attributable to owners of parent	19,018,370	23,575,971	34,653,945
Share capital	8,957,836	6,492,620	7,791,466
Net value per share- attributable to owners of parent (NT\$) (Note 1)	21.20	36.31	44.48
Operating income	4,724,139	3,733,921	10,618,124
Net profit - attributable to owners of parent	348,423	201,453	940,031
Earnings per share - attributable to owners of parent (NT\$) (Note 2)	2.09	2.64	5.37
Source:	Audited or reviewed consolidated financial statements of three peers for the first quarter of 2016		

Note Net value per share is calculated based on the number of common shares of the respective peer obtained from 1: the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic

Affairs.

Earnings per share are estimated for the four quarters ended the first quarter of 2016 based on the net profit Note attributable to owners of parent in the respective peer's consolidated financial statements for the year 2015 and 2: the first quarter of 2016, number of common shares obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data.

### 3. Valuation

(1)

#### Market Price Approach

As SPIL is a listed company with its open market trading prices available for objective reference, this opinion sampled its recent publicly traded prices to evaluate the average closing prices for 60, 90 and 180 business days up to and including the valuation date of June 29, 2016 as follows:

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<b>Item</b>	<b>Average closing price</b>	<b>Theoretical price range</b>
	<b>NT\$</b>	
Latest 60 business days	46.25	
Latest 90 business days	46.45	45.05 ~ 46.45
Latest 180 business days	45.05	

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note:(10/5/2015~6/29/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

## (2) Price-book Ratio Approach

The reasonable value per share of SPIL is estimated by calculating the net book value per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. The price-book ratios of publicly traded peers are calculated using their closing prices for 180 business days up to and including the valuation date of June 29, 2016 for sampling purposes and based on the total equity attributable to owners of parent in the respective peer's consolidated financial statements for the first quarter of 2016, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

<b>Comparable peers</b>	<b>AverageNet closing value price per share for the latest 180 business days of 2016</b>		<b>Price-book ratio</b>
	<b>NT\$</b>	<b>NT\$</b>	
ChipMOS	32.53	21.20	1.53
Chipbond	46.86	36.31	1.29
Powertech	65.31	44.48	1.47

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note:(10/5/2015~6/29/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

<b>Item</b>	<b>Description</b>
	<b>NT\$</b>
Range of multipliers	1.29 ~ 1.53
Net value per share of SPIL for the first quarter of 2016	23.23
Theoretical price range	29.97 ~ 35.54

## (3) Price-earnings Ratio Approach



The reasonable value per share of SPIL is estimated by calculating the earnings per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. Earnings per share for the four quarters ended the first quarter of 2016 are estimated, and thereby the average price-earnings ratios of publicly traded peers are calculated, using their closing prices for 180 business days up to and including the valuation date of June 29, 2016 for sampling purposes and based on the net profits attributable to owners of parent in the respective peer's consolidated financial statements for 2015 and the first quarter of 2016, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

<b>Comparable peers</b>	<b>Average closing price for latest 180 business days</b>	<b>Earnings per share in last four quarters</b>	<b>Price-earnings ratio</b>
ChipMOS	NT\$ 32.53	2.09	15.56

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Comparable peers	Average closing price for latest 180 business days	Earnings per share in last four quarters	Price-earnings ratio
	NT\$		
Chipbond	46.86	2.64	17.75
Powertech	65.31	5.37	12.16

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note:(10/5/2015~6/29/2016); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

Item	Description
	NT\$
Range of multipliers	12.16 ~ 17.75
Consolidated earnings per share of SPIL	2.49
Theoretical price range	30.28 ~ 44.20

(4)

Summary

Calculation results of value of common shares under the foregoing evaluation methods are summarized as below. The above three methods have their theoretical and practical basis. Therefore, for avoidance of biases in the evaluation process, the imputation used 33.3% for purposes of weighted averaging by taking into account of other non-quantitative key factors with reference to the statistics of Bloomberg and the average premium rate of 33.86% of the global merger and acquisition cases in semiconductor industry since the third quarter of 2015. On these basis, the reasonable price range per share of SPIL shall be from NT\$46.98 to NT\$56.30. As such, we are of opinion that it shall be fair and reasonable for each SPIL common share in exchange of Cash Consideration of NT\$55 (the Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual general shareholder's meeting for 2016).

Evaluation method	Reference price range per share	Weight	Theoretical price range per share	Reference price range after adjustment
	NT\$			
Market Price Approach	45.05~ 46.45	33.3%		
Price-book Ratio Approach	29.97~35.54	33.3%	35.10~ 42.06	46.98~ 56.30
Price-earnings Ratio Approach	30.28~ 44.20	33.3%		

## V. Conclusion

In summary, ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo by the joint share exchange. In relation to the Share Exchange, I, as the accountant, am of the opinion that it shall be fair and reasonable for each ASE common share in exchange for 0.5 HoldCo common share and each SPIL common share in exchange of Cash Consideration of NT\$55 (the Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual general shareholder's meeting for 2016).

By: /s/ Ji-Sheng Chiu  
Name: Ji-Sheng Chiu  
Title: Certified Public Account

June 29, 2016

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**Statement of Independence**

I am engaged to provide opinion of evaluation on the fairness of the joint share exchange, through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

In order to perform the above task, I hereby state that:

1. Neither I nor my spouse is currently employed by ASE, SPIL or the underwriter to undertake any work on regular basis and be compensated at a fixed amount;
2. Neither I nor my spouse has ever served at ASE, SPIL or the underwriter in preceding two years;
3. Neither I nor my spouse serve at an affiliate of ASE, SPIL or the underwriter;
4. I am not the spouse or two or less-degree relative of any responsible officer or manager of ASE, SPIL or the underwriter;
5. Neither I nor my spouse have any investment in or share any interest with ASE, SPIL or the underwriter;
6. I am not an accountant of ASE, SPIL or the underwriter.
7. I am not the current director, supervisor or their spouse or two or less-degree relatives of Taiwan Stock Exchange Corporation; and
8. Neither I nor my spouse serve at a company that conducts business with ASE or SPIL.

I have been upholding the principles of impartiality, objectiveness and independence in issuing the expert evaluation opinion on the fairness of the joint share exchange through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

By: /s/ Ji-Sheng Chiu  
Name: Ji-Sheng Chiu  
Title: Account

(Seal)

June 29, 2016

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**Resume of Independent Expert**

**Name:** Ji-Sheng Chiu

**Qualification:**

Certified Public Accountant, Republic of China (Taiwan)

**Education:**

Statistics Department, National Cheng Kung University

Accounting School, Soochow University

Credit course, Law Institute, National Taipei University

**Work Experience:**

Crowe Horwath (TW) CPAs Manager/Assistant Manager  
(previously known as First United CPA Office)

Diwan & Company Senior Manager

Crowe Horwath (TW) CPAs Accountant

**Current Offices:**

Crowe Horwath (TW) CPAs Partner

Taipei Accountants' Association Director, Regular Lecturer

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**Annex B-3**

**Independent Expert Opinion  
on the Fairness of the Consideration for Joint Share Exchange in the Joint Share Exchange Agreement  
between Advanced Semiconductor Engineering, Inc. and Siliconware Precision Industries Co., Ltd.**

I. Introduction

Both Advanced Semiconductor Engineering Inc. (“**ASE**”) and Siliconware Precision Industries Co., Ltd. (“**SPIL**”) are the world’s leading companies in semiconductor packaging and testing sector. ASE and SPIL intend to enter into the Joint Share Exchange Agreement to newly establish ASE Industrial Holding Co., Ltd. (“**HoldCo**”) by joint share exchange whereby both ASE and SPIL will become wholly-owned subsidiaries of HoldCo, in order to pursue their operating scale and improve their overall operating performance while taking into account of the flexibility and efficiency of their individual independent operations (“**Share Exchange**”). The Share Exchange will result in the exchange of all of ASE common shares in consideration for newly issued common shares of HoldCo, at an exchange ratio of each ASE common share for 0.5 HoldCo common share. Furthermore, the Share Exchange will result in the exchange of each of SPIL’s issued and outstanding shares for NT\$55 in cash payable by HoldCo (“**Cash Consideration**”). The Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL’s annual general shareholder’s meeting for 2016. The fairness of the consideration for the Share Exchange under the Share Exchange Agreement is described and evaluated as below.

II. Financial Position

Financial position of ASE and SPIL for the years of 2015, 2016 and the third quarter of 2017 are summarized as below:

(1) ASE

Unit: NT\$ (in thousands)

Item	Year		Third quarter of 2017
	2015	2016	



Total assets	365,006,200	357,943,079	359,998,771
Total liabilities	196,867,675	188,595,703	162,043,165
Total equity attributable to owners of parent	156,634,647	157,355,206	185,159,550
Share capital	79,185,660	79,568,040	87,255,059
Operating income	283,302,536	274,884,107	206,455,154
Net profit - attributable to owners	19,197,516	21,680,339	16,742,120

Sources: Audited financial statements of ASE for the years of 2015 and 2016 and reviewed financial statements for the third quarter of 2017.

(2)

SPIL

Unit: NT\$ (in thousands)

Item	Year		
	2015	2016	Third quarter of 2017
Total assets	123,245,230	123,760,241	121,043,793
Total liabilities	52,644,588	57,572,921	53,660,492
Total equity attributable to owners of parent	70,600,642	66,187,320	67,383,301
Share capital	31,163,611	31,163,611	31,163,611
Operating income	82,839,922	85,111,913	61,931,600
Net profit - attributable to owners of parent	8,762,257	9,933,160	5,411,176

Sources: Audited financial statements of SPIL for the years of 2015 and 2016 and reviewed financial statements for the third quarter of 2017.

### III.

### Sources of Information

(1) Audited financial statements of ASE and SPIL for the years of 2015 and 2016 and reviewed financial statements for the third quarter of 2017.

(2) Business overviews, financial statements and other important information for evaluation purposes regarding ASE, SPIL and their peers obtained from Market Observation Post System.

(3) Information from website of the Taiwan Stock Exchange, website of the Taipei Exchange (GreTai Securities Market), Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, Taiwan Economic Journal (TEJ) Database and Bloomberg's complied comparison, analysis and historical stock price data of ASE, SPIL and their peers.

- (4) Information on the industry and peers of ASE and SPIL.

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IV. Consideration for Share Exchange and Fairness thereof

The consideration for Share Exchange will be at an exchange ratio of each ASE common share for 0.5 HoldCo common share and each of SPIL's issued and outstanding shares for Cash Consideration of NT\$55 payable by HoldCo. The Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual general shareholder's meeting for 2016. After the completion of the Share Exchange, both ASE and SPIL will become wholly-owned subsidiaries of HoldCo. The fairness of consideration for Share Exchange in respect of each of ASE and SPIL is described and evaluated as below:

(A) ASE

1. ASE shareholders will contribute all the common shares held by them in ASE as of the share exchange record date in consideration of issue of their subscribed common shares required for the establishment of HoldCo. Following consummation of the Share Exchange, ASE will become a wholly-owned subsidiary of HoldCo, and previous ASE shareholders will become HoldCo shareholders. As such, similar to SPIL's Cash Consideration, ASE will become a wholly-owned subsidiary of HoldCo by exchange of the shares of one single company; theoretically, the rights of previous ASE shareholders will not be affected by the exact Share Exchange ratio.

According to ASE's reviewed consolidated financial statements as of September 30, 2017, its equity attributable to owners of parent amounted to NT\$185,159,550,000; based on the latest update from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs, ASE had a total of 8,724,619,364 issued and outstanding common shares as of October 26, 2017. Therefore, its net book value per common share was NT\$21.22265. Each ASE common share will be exchanged for 0.5 HoldCo common share 2. resulting in 4,362,309,682 HoldCo common shares as of the share exchange record date. In addition, the net book value per common share as calculated based on ASE's equity attributable to owners of parent to be assumed by HoldCo will be increased in the ratio of 1:0.5. Based on ASE's equity attributable to owners of parent as of September 30, 2017, HoldCo's net book value per common share would be NT\$42.44530 per share. For HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be impaired in any way by the Share Exchange ratio.

3. Net value of ASE's equity attributable to owners of parent as of the share exchange record date may vary from that as of September 30, 2017. However, ASE shareholders will contribute all the common shares held by them in ASE as of the share exchange record date in consideration of and exchange for the common shares required for the establishment of HoldCo. As such, for HoldCo common shareholders after the Share Exchange, the shareholders' equity will not be affected as a result of the Share Exchange.

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In summary, it shall be fair and reasonable for all of ASE's issued and outstanding shares to be exchanged for and in consideration of newly issued common shares of HoldCo at an exchange ratio of each ASE common share for 0.5 HoldCo common share resulting in ASE to become a wholly-owned subsidiary of HoldCo.

(B)

SPIL

1.

Methodologies Used

There are many methods for evaluating stock value. In practice, common methods include: market approach, such as market price approach (focusing on listed target companies; the fair value can be estimated by market price on the stock exchange) and market comparison approach (based on financial information of target companies and their peers in the market, using market multiplier such as price-earnings ratio, price-book ratio for analysis and evaluation); income approach; and cost approach.

Among these methods, income approach requires the Company's estimates of future cash flow, involving multiple assumptions and having a higher uncertainty. Given its less objective nature compared to other methods, this method is not used. Cost approach examines and weighs SPIL's business model and capital structure. Therefore, it is not appropriate for valuation and also not used. As such, we intend to use the market approach as primary evaluation method while taking into account of other non-quantitative factors, to evaluate the reasonable consideration of the Share Exchange for SPIL.

2.

Selection of Peers

Based on customer attributes, business activities and business model, ChipMOS Technologies (Bermuda) Ltd. ("**ChipMOS**"), Chipbond Technology Corporation ("**Chipbond**") and Powertech Technology Inc. ("**Powertech**") are selected as peers. The following table lists the financial conditions of these 3 peers for the third quarter of 2017:

Unit: NT\$ (in thousands)

Items	Peers		
	ChipMOS (8150)	Chipbond (6147)	Powertech (6239)
Total assets	33,810,825	34,360,614	98,534,589
Total liabilities	15,643,365	9,784,128	50,863,106
Total equity attributable to owners of parent	18,167,460	23,720,626	36,551,750
Share capital	8,864,131	6,542,620	7,791,466
Net value per share- attributable to owners of parent (NT\$) (Note 1)	20.50	36.26	46.91

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Operating income	13,532,627	13,551,288	42,916,153
Net profit - attributable to owners of parent	2,863,491	1,475,679	4,196,640
Earnings per share - attributable to owners of parent (NT\$) (Note 2)	3.92	3.52	7.23

Source: Audited or reviewed consolidated financial statements of three peers for the third quarter of 2017.

Note 1: Net value per share is calculated based on the number of common shares of the respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs.

Note 2: Earnings per share are estimated for the four quarters ended the third quarter of 2017 based on the net profit attributable to owners of parent in their respective peer's financial statements for the fourth quarter of 2016 and consolidated financial statements for the third quarter of 2017, number of common shares are obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data.

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## 3. Valuation

## (1) Market Price Approach

As SPIL is a listed company with its open market trading prices available for objective reference, this opinion sampled its recent publicly traded prices to evaluate the average closing prices for 60, 90 and 180 business days up to and including the valuation date of January 12, 2018 as follows:

Unit: NT\$

Item	Average closing price	Theoretical price range
Latest 60 business days	49.15	
Latest 90 business days	48.77	48.38 ~ 49.15
Latest 180 business days	48.38	

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

## (2) Price-book Ratio Approach

The reasonable value per share of SPIL is estimated by calculating the net book value per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. The price-book ratios of publicly traded peers are calculated using their closing prices for 180 business days up to and including the valuation date of January 12, 2018 for sampling purposes and based on the total equity attributable to owners of parent in the respective peer's consolidated financial statements for the third quarter of 2017, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

Unit: NT\$

Comparable peers	Average closing price for latest 180 business days	Net value per share for the third quarter of 2017	Price-book ratio
------------------	--	---	------------------

ChipMOS	28.87	20.50	1.41
Chipbond	50.89	36.26	1.40
Powertech	91.24	46.91	1.95

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note: (5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices.

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Unit: NT\$

Item	Description
Range of multipliers	1.40 ~ 1.95
Net value per share of SPIL for the third quarter of 2017	21.62
Theoretical price range	30.27 ~ 42.16

## (3) Price-earnings Ratio Approach

The reasonable value per share of SPIL is estimated by calculating the earnings per share based on the financial information of SPIL and sampling the average price-book ratios of publicly traded peers - ChipMOS, Chipbond and Powertech for comparison purposes. Earnings per share for the four quarters ended the third quarter of 2017 are estimated, and thereby the average price-earnings ratios of publicly traded peers are calculated, using their closing prices for 180 business days up to and including the valuation date of January 12, 2018 for sampling purposes and based on the net profits attributable to owners of parent in their respective peer's financial statements for the fourth quarter of 2016 and consolidated financial statements for the third quarter of 2017, the number of common shares for respective peer obtained from the Commerce and Industry Registration Enquiry System of Department of Commerce, Ministry of Economic Affairs and other financial data. The reasonable reference price of SPIL is imputed as follows:

Unit: NT\$

Comparable peers	Average closing price for latest 180 business days	Earnings per share in last four quarters	Price-earnings ratio
ChipMOS	28.87	3.92	7.36
Chipbond	50.89	3.52	14.46
Powertech	91.24	7.23	12.62

Sources of ex-rights/ex-dividend adjusted closing prices are from compilations of Taiwan Economic Journal Note:(5/2/2017~1/12/2018); all average prices are calculated by simple arithmetic averaging of ex-rights/ex-dividend adjusted closing prices

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Unit: NT\$

Item	Description
Range of multipliers	7.36 ~ 14.46
Consolidated earnings per share of SPIL	2.64
Theoretical price range	19.43 ~ 38.17

(4)

## Summary

Calculation results of value of common shares under the foregoing evaluation methods are summarized as below. The above three methods have their theoretical and practical basis. Therefore, for avoidance of biases in the evaluation process, the imputation used 1/3 for purposes of weighted averaging by taking into account of other non-quantitative key factors with reference to the statistics of Bloomberg and the average premium rate of 30.92% of the global merger and acquisition cases in semiconductor industry since the third quarter of 2017. On these basis, the reasonable price range per share of SPIL shall be from NT\$42.80 to NT\$56.51. As such, we are of opinion that it shall be fair and reasonable for each SPIL common share in exchange of Cash Consideration of NT\$55 (the Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual general shareholder's meeting for 2016).

Unit: NT\$

Evaluation method	Reference price range per share	Weight	Theoretical price range per share	Reference price range after adjustment
Market Price Approach	42.38~ 49.15	1/3		
Price-book Ratio Approach	30.27~42.16	1/3	32.69~ 43.16	42.80~ 56.51
Price-earnings Ratio Approach	19.43~ 38.17	1/3		

## V.

## Conclusion

In summary, ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo by the joint share exchange. In relation to the Share Exchange, I, as the accountant, am of the opinion that it shall be fair and reasonable for each ASE common share in exchange for 0.5 HoldCo common share and each SPIL common share in exchange of Cash Consideration of NT\$55 (the Cash Consideration is adjusted to NT\$51.2 after deduction of cash dividends distribution of NT\$2.8 per share and capital reserve cash distribution of NT\$1 per share as resolved at SPIL's annual

general shareholder's meeting for 2016).

By: /s/ Ji-Sheng Chiu

Name: Ji-Sheng Chiu

Title: Certified Public Account

Date: January 15, 2018

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**Statement of Independence**

I am engaged to provide opinion of evaluation on the fairness of the joint share exchange, through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

In order to perform the above task, I hereby state that:

1. Neither I nor my spouse is currently employed by ASE, SPIL or the underwriter to undertake any work on regular basis and be compensated at a fixed amount;
2. Neither I nor my spouse has ever served at ASE, SPIL or the underwriter in preceding two years;
3. Neither I nor my spouse serve at an affiliate of ASE, SPIL or the underwriter;
4. I am not the spouse or two or less-degree relative of any responsible officer or manager of ASE, SPIL or the underwriter;
5. Neither I nor my spouse have any investment in or share any interest with ASE, SPIL or the underwriter;
6. I am not an accountant of ASE, SPIL or the underwriter;
7. I am not the current director, supervisor or their spouse or two or less-degree relatives of Taiwan Stock Exchange Corporation; and
8. Neither I nor my spouse serve at a company that conducts business with ASE or SPIL.

I have been upholding the principles of impartiality, objectiveness and independence in issuing the expert evaluation opinion on the fairness of the joint share exchange through which ASE and SPIL are proposed to become wholly-owned subsidiaries of HoldCo.

By: /s/ Ji-Sheng Chiu

Name: Ji-Sheng Chiu

Title: Certified Public Account

Date: January 15, 2018

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Resume of Independent Expert

**Name:** Ji-Sheng Chiu

**Qualification:**

Certified Public Accountant, Republic of China (Taiwan)

**Education:**

Statistics Department, National Cheng Kung University

Accounting School, Soochow University

Credit course, Law Institute, National Taipei University

**Work Experience:**

Crowe Horwath (TW) CPAs (previously known as First United CPA Office)	Manager/Assistant Manager
Diwan & Company	Senior Manager
Crowe Horwath (TW) CPAs	Accountant

**Current Offices:**

Crowe Horwath (TW) CPAs Partner  
Taipei Accountants' Association Director, Regular Lecturer

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**Annex C**

ROC MERGERS AND ACQUISITIONS ACT – ARTICLE 12

If the following event occurs when a company is undergoing a merger, consolidation, acquisition or division, a shareholder may request the company to repurchase his/her/its shares at the then fair price of such shares:

In the event that the company is undergoing an acquisition as described in Article 27 of this Act, the shareholder 4. delivers a written objection or an oral objection that has been put into the record and waives his/her/its voting rights before or during the shareholders' meeting;

Any shareholder who has made the request as provided in the preceding paragraph shall submit a written request that specifies the requested repurchase price and deposit the certificates of his/her/its shares within 20 days immediately following the date at which the shareholder resolutions are passed.

The company shall appoint an institution that is permitted by law to provide corporate action services to handle the shares deposited by the dissenting shareholder. The shareholder shall deposit his/her/its shares to such institution and the institution shall issue a certificate that specifies the type and amount of deposited shares to the shareholder; any deposit by book-entry transfer shall be governed by the procedures set forth in the rules and regulations in relation to the centralized securities depository enterprises.

The request of a shareholder as provided in Paragraph 1 shall lose its effect when the company abandons its corporate action as provided in the same paragraph.

If the company and the shareholder reach an agreement with respect to the repurchase price, the company shall pay such repurchase price to the shareholder within 90 days immediately following the date at which the shareholders' resolutions are passed. If no agreement is reached, within 90 days immediately after the date at which the shareholders' resolutions are passed, the company shall pay for the shares of the shareholder with whom it has not reached an agreement at a price determined by the company as the fair price for such shares; if the company fails to make such payment, the company shall be deemed as having agreed to the repurchase price requested by the shareholder pursuant to Paragraph 2.

If the company fails to reach an agreement with any shareholder with respect to the repurchase price within 60 days immediately following the date at which the shareholders' resolutions are passed, the company shall, within 30 days

after the expiry of the 60-day period, file a petition with a court for a ruling to determine the fair price of the shares against all the shareholders with whom it has not reached an agreement as the opposing parties. If the company fails to list any shareholder with whom it has not reached an agreement as an opposing party, or the petition is withdrawn by the company or dismissed by the court, the company shall be deemed as having agreed to the repurchase price requested by the shareholder pursuant to Paragraph 2. However, if the opposing party has already presented his/her/its position in the court or the court's ruling has already been delivered to the opposing party, the company shall not withdraw the petition unless agreed to by the opposing party.

When the company files a petition with the court for a ruling to determine the repurchase price, the company shall attach to the petition the audited and attested financial statements of the company and the fair price assessment report by the certified public accountants, and written copies and photocopies thereof according to the number of opposing parties for the court to distribute to each opposing party.

Before making a ruling with respect to the repurchase price, the court shall allow the company and the opposing parties to have the chance to present their positions. If there are two or more opposing parties, the provisions set out in Articles 41 to 44, as well as Paragraph 2 of Article 401 of the ROC Civil Procedure Code shall apply *mutatis mutandis*.

If any party appeals against the ruling made pursuant to the preceding paragraph, the court shall allow the parties at dispute to have the chance to present their positions before making a decision on the appeal.



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When the ruling with respect to the repurchase price becomes final and binding, the company shall, within 30 days immediately after the ruling becomes final and binding, pay such final repurchase price to the dissenting shareholders, deducting any previous payment and interest accrued since the next day of the expiry of the 90-day period immediately following the date at which the shareholders' resolutions are passed.

The provisions set forth in Article 171 and Paragraphs 1, 2 and 4 of Article 182 of the ROC Non-Contentious Matters Act shall apply *mutatis mutandis*.

The company shall bear the expenses of the petition and the appraiser's compensation.

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**Annex D-1**

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM 20-F**

**REGISTRATION STATEMENT PURSUANT TO SECTION 12(b) OR 12(g) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

OR

**ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF  
1934**  
**For the fiscal year ended December 31, 2016**

OR

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT  
OF 1934**

OR

**SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE  
ACT OF 1934**

**Commission file number: 001-16125**

(Exact name of Registrant as specified in its charter)

**Advanced Semiconductor Engineering, Inc.**

(Translation of Registrant's Name into English)

**REPUBLIC OF CHINA**

(Jurisdiction of Incorporation or Organization)

**26 Chin Third Road**

**Nantze Export Processing Zone**

Nantze, Kaohsiung, Taiwan

**Republic of China**

(Address of Principal Executive Offices)

**Joseph Tung**

**Room 1901, No. 333, Section 1 Keelung Rd.**

**Taipei, Taiwan, 110**

**Republic of China**

**Tel: 886-2-6636-5678**

**Fax: 882-2-2757-6121**

**Email: [ir@aseglobal.com](mailto:ir@aseglobal.com)**

(Name, Telephone, Email and/or Facsimile number and Address of Company Contact Person)

Securities registered or to be registered pursuant to Section 12(b) of the Act:

<u>Title of Each Class</u>	<u>Name of Each Exchange on which Registered</u>
Common Shares, par value NT\$10.00 each	The New York Stock Exchange*

\*Traded in the form of American Depositary Receipts evidencing American Depositary Shares (the "ADSs"), each representing five common shares of Advanced Semiconductor Engineering, Inc.

Securities registered or to be registered pursuant to Section 12(g) of the Act:

**None**

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act:

**None**

Indicate the number of outstanding shares of each of the issuer's classes of capital or common stock as of the close of the period covered by the annual report:

7,944,875,346 Common Shares, par value NT\$10 each\*\*

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes      No

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

Yes            No

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days.

Yes            No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes            No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of “accelerated filer and large accelerated filer” in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer            Accelerated filer            Non-accelerated filer

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP            International Financial Reporting Standards as issued by the International Accounting Standards Board            Other

If “Other” has been checked in response to the previous question, indicate by check mark which financial statement item the registrant has elected to follow:

Item 17

Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes

No

\*\* As a result of the exercise of employee stock options subsequent to December 31, 2016, as of March 31, 2017, we had 8,273,546,046 shares outstanding.

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USE OF CERTAIN TERMS

Unless the context otherwise requires, references in this annual report to:

“2014 Bonds” are to RMB150.0 million 3.125% Guaranteed Bonds due September 22, 2014, issued by Anstock Limited, our wholly owned subsidiary incorporated in the Cayman Islands;

“2016 Bonds” are to RMB500.0 million 4.250% Guaranteed Bonds due September 20, 2016, issued by Anstock Limited;

“2018 Convertible Bonds” are to US\$400.0 million Zero Coupon Convertible Bonds due September 5, 2018, issued by the Company;

“2018 NTD-linked Convertible Bonds” are to US\$200.0 million NTD-linked Zero Coupon Convertible Bonds due March 27, 2018, issued by the Company;

“ASE,” the “Company,” “ASE Group,” “ASE Inc.,” “we,” “us,” or “our” are to Advanced Semiconductor Engineering, Inc. and its subsidiaries, unless the context requires otherwise, its subsidiaries;

- “ASEEE” are to ASE Embedded Electronics Inc., a company incorporated under the laws of the ROC;

“ASE Chung Li” are to ASE (Chung Li) Inc., a company previously incorporated under the laws of the ROC that merged into ASE Inc. on August 1, 2004;

- “ASE Electronics” are to ASE Electronics Inc., a company incorporated under the laws of the ROC;

- “ASE Holding” are to ASE Industrial Holding Co., Ltd.;

- “ASE Japan” are to ASE Japan Co. Ltd., a company incorporated under the laws of Japan;

- “ASE Korea” are to ASE (Korea) Inc., a company incorporated under the laws of the Republic of Korea;

“ASE Material” are to ASE Material Inc., a company previously incorporated under the laws of the ROC that merged into ASE Inc. on August 1, 2004;

- “ASE Shanghai” are to ASE (Shanghai) Inc., a company incorporated under the laws of the PRC;
  - “ASE Test” are to ASE Test Limited, a company incorporated under the laws of Singapore;
  - “ASE Test Malaysia” are to ASE Electronics (M) Sdn. Bhd., a company incorporated under the laws of Malaysia;
  - “ASE Test Taiwan” are to ASE Test, Inc., a company incorporated under the laws of the ROC;
  - “ASEKS” are to ASE (KunShan) Inc., a company incorporated under the laws of the PRC;
  - “ASEN” are to Suzhou ASEN Semiconductors Co., Ltd., a company incorporated under the laws of the PRC;
- “ASESH AT” are to ASE Assembly & Test (Shanghai) Limited, formerly known as Global Advanced Packaging Technology Limited, or GAPTECH, a company incorporated under the laws of the PRC;
- “ASEWH” are to ASE (Weihai), Inc., a company incorporated under the laws of the PRC;
- “Capital Increase” are to issuance of 130,000,000 common shares for public subscription, which was effected by way of an increase in the authorized share capital in the amount of NT\$1,300.0 million of the Company in September 2013;

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“Corporate Bonds” are to NT\$8.0 billion 1.450% secured corporate bonds with five year term issued in August 2011 by the Company;

“Deposit Agreement” are to deposit agreement dated September 29, 2000 among Citibank, N.A., as depository, holders and beneficial owners of ADSs and us, which was filed as an exhibit to our registration statement on post-effective amendment No. 2 to Form F-6 on September 16, 2003, and its two amendments, which were filed as an exhibit to our registration statement on post-effective amendment No. 1 to Form F-6 on April 3, 2006 and our registration statement on post-effective amendment No. 2 to Form F-6 on October 25, 2006;

“EEMS Test Singapore” are to EEMS Test Singapore Pte. Ltd., a company incorporated under the laws of Singapore, which changed its name to ASE Singapore II Pte. Ltd. and was subsequently merged into ASE Singapore Pte. Ltd. on January 1, 2011;

“Exchange Act” are to the U.S. Securities Exchange Act of 1934, as amended;

“FSC” are to the Financial Supervisory Commission of the Republic of China;

“Green Bonds” are to US\$300.0 million 2.125% Guaranteed Bonds due July 24, 2017, offered by Anstock II Limited, our wholly owned subsidiary incorporated in the Cayman Islands;

“Hung Ching” are to Hung Ching Development & Construction Co. Ltd., a company incorporated under the laws of the ROC;

“IFRS” are to International Financial Reporting Standards, International Accounting Standards and Interpretations as issued by the International Accounting Standards Board;

“ISE Labs” are to ISE Labs, Inc., a corporation incorporated under the laws of the State of California;

“Initial SPIL Tender Offer” are to ASE’s offer to purchase 779,000,000 common shares (including common shares represented by outstanding American depository shares) of SPIL through concurrent tender offers in the ROC and the U.S., at a price of NT\$45 per SPIL common share and NT\$225 per SPIL American depository share, commenced on August 24, 2015 and expired on September 22, 2015;

“Joint Share Exchange Agreement” are to the joint share exchange agreement entered into between ASE and SPIL on June 30, 2016;

“Korea” or “South Korea” are to the Republic of Korea;

“Mainland Investors Regulations” are to the Regulations Governing Securities Investment and Futures Trading in Taiwan by Mainland Area Investors;

“MOEAIC” are to Investment Commission, the ROC Ministry of Economic Affairs;

“NYSE” are to New York Stock Exchange;

“PowerASE” are to PowerASE Technology, Inc., a company incorporated under the laws of the ROC, which was merged into ASE Inc. in May 2012;

“PRC” are to the People’s Republic of China and excludes Taiwan, Macau and Hong Kong;

“PRC Regulations” are to the Regulations Governing Mainland China Investors’ Securities Investments and Futures Trading in Taiwan;

“QDII” are to qualified domestic institutional investors;

“Republic of China”, the “ROC” and “Taiwan” are to the Republic of China, including Taiwan and certain other possessions;

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· “ROC GAAP” are to generally accepted accounting principles in the ROC;

· “ROC Trading Day” are to a day when TWSE is open for business;

· “SEC” are to the Securities and Exchange Commission of the U.S.;

· “Second SPIL Tender Offer” are to ASE’s offer to purchase 770,000,000 common shares (including common shares represented by outstanding American depositary shares) of SPIL through concurrent tender offers in the ROC and the U.S., at a price of NT\$55 per SPIL common share and NT\$275 per SPIL American depositary share, commenced on December 29, 2015 and expired on March 17, 2016 due to failure to obtain regulatory approval from the Taiwan Fair Trade Commission prior to the expiration of the Second SPIL Tender Offer;

· “Securities Act” are to the U.S. Securities Act of 1933, as amended;

· “SiP” are to system-in-package;

· “SPIL” are to Siliconware Precision Industries Co., Ltd, and, unless the context requires otherwise, its subsidiaries;

· “SPIL Acquisition” are to ASE’s effort to effect an acquisition of 100% of the common shares and American depositary shares of SPIL pursuant to the Joint Share Exchange Agreement;

· “Taiwan-IFRS” are to the Regulations Governing the Preparation of Financial Reports by Securities Issuers, the IFRS as well as related guidance translated by Accounting Research and Development Foundation and endorsed by the FSC;

· “Tessera” are to Tessera, Inc., a company that filed a suit against the Company and its U.S. subsidiary, ASE (U.S.) Inc.;

· “TWSE” are to Taiwan Stock Exchange;

· “UGJQ” are to Universal Global Technology (Shanghai) Co., Ltd., a company incorporated under the laws of the PRC;

· “UGKS” are to Universal Global Technology (Kunshan) Co. Ltd., a company incorporated under the laws of the PRC;

· “UGTW” are to Universal Global Scientific Industrial Co. Ltd., a company incorporated under the laws of the ROC;

“Universal Scientific” or “USI” are to Universal Scientific Industrial Co., Ltd., a company incorporated under the laws of the ROC;

“Universal Scientific Shanghai” are to Universal Scientific Industrial (Shanghai) Co., Ltd., a company incorporated under the laws of the PRC;

“U.S.” refers to United States of America;

“U.S. GAAP” are to accounting principles generally accepted in the U.S.;

“USI Inc.” are to USI Inc., a company incorporated under the laws of the ROC;

“USI Mexico” are to Universal Scientific Industrial De Mexico S.A. DE C.V., a company incorporated under the laws of Mexico;

“USISZ” are to Universal Electronics (Shenzhen) Co. Ltd., a company incorporated under the laws of the PRC; and

“Wuxi Tongzhi” are to Wuxi Tongzhi Microelectronics Co., Ltd., a company incorporated under the laws of the PRC.

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We publish our financial statements in New Taiwan dollars, the lawful currency of the ROC. In this annual report, references to “United States dollars,” “U.S. dollars” and “US\$” are to the currency of the United States; references to “New Taiwan dollars,” “NT dollars” and “NT\$” are to the currency of the ROC; references to “RMB” are to the currency of the PRC; references to “JP¥” are to the currency of Japan; references to “MYR” are to the currency of Malaysia; references to “SGD” are to the currency of Republic of Singapore; references to “KRW” are to the currency of Republic of Korea; and references to “EUR” are to the currency of the European Union. Unless otherwise noted, all translations from NT dollars to U.S. dollars were made at the exchange rate as set forth in the H.10 weekly statistical release of the Federal Reserve System of the United States (the “Federal Reserve Board”) as of December 30, 2016, which was NT\$32.40=US\$1.00, and all translations from RMB to U.S. dollars were made at the exchange rate as set forth in the H.10 weekly statistical release of the Federal Reserve Board as of December 30, 2016, which was RMB6.9430=US\$1.00. All amounts translated into U.S. dollars in this annual report are provided solely for your convenience and no representation is made that the NT dollar, RMB or U.S. dollar amounts referred to herein could have been or could be converted into U.S. dollars or NT dollars/RMB, as the case may be, at any particular rate or at all. On April 14, 2017, the exchange rate between NT dollars and U.S. dollars as set forth in the H.10 weekly statistical release by the Federal Reserve Board was NT\$30.31=US\$1.00. On April 14, 2017, the exchange rate between RMB and U.S. dollars as set forth in the H.10 weekly statistical release by the Federal Reserve Board was RMB6.8835 =US\$1.00.



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SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This annual report on Form 20-F contains “forward-looking statements” within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. Although these forward-looking statements, which may include statements regarding our future results of operations, financial condition or business prospects, are based on our own information and information from other sources we believe to be reliable, you should not place undue reliance on these forward-looking statements, which apply only as of the date of this annual report. The words “anticipate,” “believe,” “estimate,” “expect,” “intend,” “plan” and similar expressions, as they relate to us, are intended to identify these forward-looking statements in this annual report. Our actual results of operations, financial condition or business prospects may differ materially from those expressed or implied in these forward-looking statements for a variety of reasons, including risks associated with cyclical and market conditions in the semiconductor or electronics industry; changes in our regulatory environment, including our ability to comply with new or stricter environmental regulations and to resolve environmental liabilities; demand for the outsourced semiconductor packaging, testing and electronic manufacturing services we offer and for such outsourced services generally; the highly competitive semiconductor or manufacturing industry we are involved in; our ability to introduce new technologies in order to remain competitive; international business activities; our business strategy; our future expansion plans and capital expenditures; the uncertainties as to whether we can complete the share exchange contemplated by the Joint Share Exchange Agreement between us and SPIL; the strained relationship between the ROC and the PRC; general economic and political conditions; the recent global economic crisis; possible disruptions in commercial activities caused by natural or human-induced disasters; fluctuations in foreign currency exchange rates; and other factors. For a discussion of these risks and other factors, see “Item 3. Key Information—Risk Factors.”

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PART I

Item 1. Identity of Directors, Senior Management and Advisers

Not applicable.

Item 2. Offer Statistics and Expected Timetable

Not applicable.

Item 3. Key Information

SELECTED FINANCIAL DATA

The selected consolidated statements of comprehensive income data and cash flow data for the years ended December 31, 2014, 2015 and 2016, and the selected consolidated balance sheet data as of December 31, 2015 and 2016 set forth below are derived from our audited consolidated financial statements included in this annual report and should be read in conjunction with, and are qualified in their entirety by reference to, these consolidated financial statements, including the notes thereto. The selected consolidated statements of comprehensive income data and cash flow data for the year ended December 31, 2012 and 2013 and the selected consolidated balance sheet data as of December 31, 2012 and 2013 set forth below are derived from our audited consolidated financial statements not included herein.

Our consolidated financial statements have been prepared and presented in accordance with IFRS. Until and including our consolidated financial statements included in our annual report on Form 20-F for the year ended December 31, 2012, we prepared our consolidated financial statements in accordance with ROC GAAP with reconciliations to U.S. GAAP.

We adopted IFRS for certain filings with the SEC, starting from the filing of our annual report on Form 20-F for the year ended December 31, 2013. Historical financial results as of and for the year ended December 31, 2012 included herein have been adjusted and presented in accordance with IFRS, which differs from the results included in our annual report on Form 20-F for the year ended December 31, 2012. Meanwhile, as required by the FSC, we adopted

Taiwan-IFRS for reporting of our annual and interim consolidated financial statements in the ROC beginning on January 1, 2013. Taiwan-IFRS differs from IFRS in certain respects, including, but not limited to the extent that any new or amended standards or interpretations applicable under IFRS may not be timely endorsed by the FSC.

Following our adoption of IFRS for SEC filing purposes, pursuant to the rule amendments adopted by the SEC that became effective on March 4, 2008, we were no longer required to reconcile our consolidated financial statements with U.S. GAAP.

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IFRS	As of and for the Year Ended December 31,					
	2012	2013	2014	2015 (Retrospectively Adjusted)	2016	
	NT\$	NT\$	NT\$	NT\$	NT\$	US\$
	(in millions, except earnings per share and per ADS data)					
<b>Statement of Comprehensive Income Data:</b>						
Operating revenues	193,972.4	219,862.4	256,591.4	283,302.5	274,884.1	8,484.1
Operating costs	(157,342.7)	(177,040.4)	(203,002.9)	(233,167.3)	(221,689.9)	(6,842.3)
Gross profit	36,629.7	42,822.0	53,588.5	50,135.2	53,194.2	1,641.8
Operating expenses	(18,922.6)	(20,760.4)	(23,942.7)	(25,250.6)	(26,485.7)	(817.5)
Other operating income and expenses, net	83.2	(1,348.2)	228.7	(251.5)	(800.3)	(24.7)
Profit from operations	17,790.3	20,713.4	29,874.5	24,633.1	25,908.2	799.6
Non-operating income (expense), net <sup>(1)</sup>	(1,181.6)	(1,343.6)	(1,339.4)	378.7	2,116.9	65.4
Profit before income tax	16,608.7	19,369.8	28,535.1	25,011.8	28,025.1	865.0
Income tax expense	(2,960.4)	(3,499.6)	(5,666.0)	(4,311.1)	(5,390.8)	(166.4)
Profit for the year	13,648.3	15,870.2	22,869.1	20,700.7	22,634.3	698.6
Attributable to						
Owners of the Company	13,191.6	15,404.5	22,228.6	19,732.1	21,361.6	659.3
Non-controlling interests	456.7	465.7	640.5	968.6	1,272.7	39.3
	13,648.3	15,870.2	22,869.1	20,700.7	22,634.3	698.6
Other comprehensive income (loss), net of income tax	(3,830.7)	3,233.3	5,504.4	(147.5)	(7,959.3)	(245.7)
Total comprehensive income for the year	9,817.6	19,103.5	28,373.5	20,553.2	14,675.0	452.9
Attributable to						
Owners of the Company	9,420.4	18,509.6	27,394.3	19,659.1	13,994.1	431.9
Non-controlling interests	397.2	593.9	979.2	894.1	680.9	21.0
	9,817.6	19,103.5	28,373.5	20,553.2	14,675.0	452.9
Earnings per common share <sup>(1) (2)</sup> :						
Basic	1.77	2.05	2.89	2.58	2.79	0.09
Diluted	1.73	1.99	2.79	2.48	2.33	0.07
Dividends per common share <sup>(3)</sup>	2.05	1.05	1.29	2.00	1.60	0.05
Earnings per equivalent ADS <sup>(1) (2)</sup> :						
Basic	8.86	10.26	14.46	12.89	13.94	0.43
Diluted	8.65	9.96	13.93	12.38	11.67	0.36
Number of common shares <sup>(4)</sup> :						
Basic	7,445.5	7,508.5	7,687.9	7,652.8	7,662.9	7,662.9
Diluted	7,568.2	7,747.6	8,220.7	8,250.1	8,284.1	8,284.1
Number of equivalent ADSs						
Basic	1,489.1	1,501.7	1,537.6	1,530.6	1,532.6	1,532.6
Diluted	1,513.6	1,549.5	1,644.1	1,650.0	1,656.8	1,656.8
Balance Sheet Data:						
Current assets	97,495.6	132,176.5	159,955.2	156,732.8	142,789.7	4,407.1

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Investments - non-current <sup>(1)(5)</sup>	2,267.8	2,345.5	2,409.3	38,046.6	50,861.3	1,569.8
Property, plant and equipment, net	127,197.8	131,497.3	151,587.1	149,997.1	143,880.2	4,440.7
Intangible assets	12,361.3	11,953.6	11,913.3	11,888.6	12,119.9	374.1
Long-term prepayment for lease	4,164.1	4,072.3	2,586.0	2,556.2	2,237.0	69.0
Others <sup>(6)</sup>	4,236.0	4,676.9	5,267.9	5,765.6	6,063.1	187.2
Total assets <sup>(1)</sup>	247,722.6	286,722.1	333,718.8	364,986.9	357,951.2	11,047.9
Short-term debts <sup>(7)</sup>	36,884.9	44,618.2	41,176.0	36,983.4	20,955.5	646.8
Current portion of long-term debts	3,213.8	6,016.5	2,835.5	16,843.3	16,341.1	504.3
Long-term debts <sup>(8)</sup>	44,591.7	50,166.5	55,375.8	66,535.1	74,354.9	2,294.9
Other liabilities <sup>(9)</sup>	53,211.8	60,176.9	78,640.1	78,700.1	79,437.9	2,451.8
Total liabilities	137,902.2	160,978.1	178,027.4	199,061.9	191,089.4	5,897.8
Share capital	76,047.7	78,180.3	78,715.2	79,185.7	79,568.0	2,455.8
Non-controlling interests	3,505.7	4,128.4	8,209.9	11,492.5	11,984.0	369.9
Equity attributable to owners of the Company <sup>(1)</sup>	106,314.7	121,615.6	147,481.5	154,432.4	154,877.8	4,780.2
Cash Flow Data:						
Capital expenditures	(39,029.5 )	(29,142.7 )	(39,599.0 )	(30,280.1 )	(26,714.2 )	(824.5 )
Depreciation and amortization	23,435.9	25,470.9	26,350.8	29,518.7	29,422.3	908.1
Net cash inflow from operating activities	33,038.0	41,296.0	45,863.5	57,548.3	52,107.9	1,608.3
Net cash outflow from investing activities	(43,817.8 )	(29,925.8 )	(38,817.9 )	(63,351.4 )	(43,159.5 )	(1,332.1 )
Net cash inflow (outflow) from financing activities	8,455.8	12,794.9	(2,797.0 )	8,636.3	(21,087.0 )	(650.8 )
Segment Data:						
Operating revenues:						
Packaging	104,298.3	112,603.9	121,336.5	116,607.3	125,282.8	3,866.8
Testing	22,657.0	24,732.2	25,874.7	25,191.9	27,031.8	834.3
Electronic manufacturing services	62,747.7	78,530.6	105,784.4	138,242.1	115,395.1	3,561.6
Others	4,269.4	3,995.7	3,595.8	3,261.2	7,174.4	221.4
Gross profit:						
Packaging	19,812.5	23,673.7	33,040.2	30,348.5	28,524.5	880.4
Testing	7,601.0	9,079.4	9,632.0	9,025.7	9,980.6	308.0
Electronic manufacturing services	7,241.3	8,054.3	9,118.9	9,433.4	11,234.8	346.8
Others	1,974.9	2,014.6	1,797.4	1,327.6	3,454.3	106.6

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We have completed the identification of difference between the cost of the investment and our share of the net fair value of SPIL's identifiable assets and liabilities in September 2016. Therefore, we retrospectively adjusted the comparative financial statement for the year ended December 31, 2015, which differs from the results included in our annual report on Form 20-F for the year ended December 31, 2015. The retrospective adjustments resulted in a decrease of NT\$281.4 million to the investments accounted for using the equity method on the consolidated balance sheet as of December 31, 2015 and share of profit of associates on the consolidated statement of comprehensive income for the year ended December 31, 2015. See Note 13 to our audited consolidated financial statement included in this annual report for more information.

The denominators for diluted earnings per common share and diluted earnings per equivalent ADS are calculated to account for the potential diluted factors, such as the exercise of options and conversion of our convertible bonds into our common shares.

Dividends per common share issued as a cash dividend, a stock dividend and distribution from capital surplus.

Represents the weighted average number of shares after retroactive adjustments to give effect to stock dividends. Common shares held by consolidated subsidiaries are classified as "treasury stock," and are deducted from the number of common shares outstanding.

Including available-for-sale financial assets — non-current and investments accounted for using the equity method.

Including deferred tax assets, other financial assets — non-current and other non-current assets.

Including short-term bank loans and short-term bills payable.

Including bonds payable, long-term borrowings (consisted of bank loans and bills payable) and capital lease obligations.

Including (x) current liabilities other than short-term debts and current portion of long-term debts and (y) non-current liabilities other than long-term debts.

Exchange Rates

Fluctuations in the exchange rate between NT dollars and U.S. dollars will affect the U.S. dollar equivalent of the NT dollar price of our common shares on the TWSE and, as a result, will likely affect the market price of the ADSs. Fluctuations will also affect the U.S. dollar conversion by the depositary under our ADS deposit agreement referred to below of cash dividends paid in NT dollars on, and the NT dollar proceeds received by the depositary from any sale of, common shares represented by ADSs, in each case, according to the terms of the deposit agreement dated September 29, 2000 and as amended and supplemented from time to time among us, Citibank N.A., as depositary, and the holders and beneficial owners from time to time of the ADSs, which we refer to as the deposit agreement.

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The following table sets forth, for the periods indicated, information concerning the number of NT dollars for which one U.S. dollar could be exchanged. The exchange rates reflect the exchange rates set forth in the H.10 statistical release of the Federal Reserve Board.

	Exchange Rate			
	Average <sup>(1)</sup>	High	Low	Period End
2012	29.47	30.28	28.96	29.05
2013	29.73	30.20	28.93	29.83
2014	30.38	31.80	29.85	31.60
2015	31.80	33.17	30.37	32.79
2016				
October	31.59	31.79	31.36	31.54
November	31.75	32.01	31.41	31.92
December	32.00	32.42	31.72	32.40
2017				
January	31.65	32.37	31.19	31.19
February	30.85	31.17	30.61	30.64
March	30.65	31.03	30.14	30.38
April (through April 14, 2017)	30.47	30.63	30.31	30.31

Annual averages were calculated by using the average of the exchange rates on the last day of each month during (1) the relevant year. Monthly averages were calculated by using the average of the daily rates during the relevant month.

On April 14, 2017, the exchange rate as set forth in the H.10 weekly statistical release by the Federal Reserve Board was NT\$30.31=US\$1.00.

## CAPITALIZATION AND INDEBTEDNESS

Not applicable.

## REASON FOR THE OFFER AND USE OF PROCEEDS

Not applicable.



## RISK FACTORS

### Risks Relating to Our Business

Since we are dependent on the highly cyclical semiconductor and electronics industries and conditions in the markets for the end-use applications of our products, our revenues and net income may fluctuate significantly.

Our business is affected by market conditions in the highly cyclical semiconductor and electronics industries. Most of our customers operate in this industry, and variations in order levels from our customers and service fee rates may result in volatility in our revenues and net income. From time to time, the semiconductor and electronics industries have experienced significant, and sometimes prolonged, downturns. As our business is, and will continue to be, dependent on the requirements for independent packaging, testing and electronic manufacturing services, any future downturn in the industry would reduce demand for our services. For example, in the fourth quarter of 2008, the global economic crisis resulted in a significant deterioration in demand for our customers' products, which in turn affected demand for our services and adversely affected our operating results. Although demand has recovered, we expect there to be continued downward pressure on our average selling prices and continued volatility with respect to our sales volumes in the future. If we cannot reduce our costs or adjust our product mix to sufficiently offset any decline in sales volumes, our profitability will suffer, and we may incur losses.

Market conditions in the semiconductor and electronics industries depend to a large degree on conditions in the markets for the end-use applications of various products, such as communications, computing and consumer electronics products. Any deterioration of conditions in the markets for the end-use applications would reduce demand for our services, and would likely have a material adverse effect on our financial condition and results of operations. In 2016, approximately 52.2%, 11.5% and 36.3% of our operating revenues from packaging and testing were attributed to the packaging and testing of semiconductors used in communications, computing and consumer electronics/industrial/automotive/other applications, respectively. In the same year, approximately 50.6%, 16.9%, 18.4%, 7.2% and 6.0% of our operating revenues from electronic manufacturing services were attributed to the communications, computing, consumer electronics applications, industrial and automotive applications, respectively. Across end-use applications, our customers face intense competition and significant shifts in demand, which could put pricing pressure on our services and may adversely affect our revenues and net income.

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A reversal or slowdown in the outsourcing trend for semiconductor packaging and testing services and electronic manufacturing services could adversely affect our growth prospects and profitability.

Semiconductor manufacturers that have their own in-house packaging and testing capabilities, known as integrated device manufacturers and original equipment manufacturers, have increasingly outsourced stages of the production process, including packaging, testing, electronic manufacturing and assembly, to independent companies in order to reduce costs, eliminate product complexity and meet fast-to-market requirements. In addition, the availability of advanced independent semiconductor manufacturing services has also enabled the growth of so-called “fables” semiconductor companies that focus exclusively on design and marketing and outsource their manufacturing, packaging and testing requirements to independent companies. We cannot assure you that these manufacturers and companies will continue to outsource their packaging, testing and manufacturing requirements to third parties like us. Furthermore, during an economic downturn, these integrated device manufacturers typically rely more on their own in-house packaging and testing capabilities, therefore decreasing their need to outsource. A reversal of, or a slowdown in, this outsourcing trend could result in reduced demand for our services and adversely affect our growth prospects and profitability.

Any global economic downturn could adversely affect the demand for our products and services, and a protracted global economic crisis would have a material adverse effect on us.

The global financial markets experienced significant disruptions in 2008 and the United States, Europe and other economies went into recession. The recovery from the lows of 2008 and 2009 was uneven and it is facing new challenges, including a European sovereign debt crisis that began in 2011, a referendum in the United Kingdom in June 2016, in which the majority of voters voted in favor of an exit from the European Union (“Brexit”), and continuing high unemployment rates in much of the world. It is unclear what the long-term impact of the European sovereign debt crisis will be and uncertainty remains over the long-term effects of the expansionary monetary and fiscal policies that have been adopted by the central banks and financial authorities of some of the world’s leading economies. There are also increased uncertainty in the wake of Brexit, which has resulted in downgrade of the credit ratings of the United Kingdom and an increase in volatility in the global financial markets. Any economic downturn or crisis may cause our customers to do the following:

- cancel or reduce planned expenditures for our products and services;
- seek to lower their costs by renegotiating their contracts with us;
- consolidate the number of suppliers they use, which may result in our loss of customers; and

· switch to lower-priced products or services provided by our competitors.

Any uncertainty or significant volatility in global economic conditions may also make it difficult for our customers to accurately forecast and plan future business activities and may have a material adverse effect on us.

If we are unable to compete favorably in the highly competitive markets of semiconductor packaging and testing and electronic manufacturing services, our revenues and net income may decrease.

The markets of semiconductor packaging and testing and electronic manufacturing services are very competitive. We face competition from a number of sources, including other independent semiconductor packaging and testing companies, integrated device manufacturers, and other electronic manufacturing services providers with large-scale manufacturing capabilities who can quickly react to market changes. We believe that the principal competitive factors in our industry are:

· technological expertise;

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the ability to provide total solutions to our customers, including integrated design, manufacturing, packaging and testing and electronic manufacturing services;

ability to offer interconnect technologies at an optimal scale for our businesses;

range of package types and testing platforms available;

the ability to work closely with our customers at the product development stage;

responsiveness and flexibility;

fast-to-market product development;

capacity;

diversity in facility locations;

production yield; and

price.

We face increasing competition, as most of our customers obtain services from more than one source. Rapid technological advances and aggressive pricing strategies by our competitors may continue to increase competition. Our ability to compete depends on factors both within and outside of our control and may be constrained by the distinct characteristics and production requirements of individual products. We cannot assure you that we will be able to continue to improve production efficiency and maintain reasonable profit for all of our products.

In addition, some of our competitors may have superior financial, marketing, manufacturing, research and development and technological resources than we do. For example, the central government of the PRC as well as provincial and municipal governments have provided various incentives to domestic companies in the semiconductor industry, including major semiconductor testing and packaging providers, such as Jiangsu Changjiang Electronics Technology Co., Ltd. Similarly, our customers may face competition from their competitors in the PRC, and such competitors may also receive significant subsidies from the PRC government. As we are downstream suppliers, the impact of such government policies on competition and price pressure of our customers may negatively impact our own business. Increasing competition may lead to declines in product prices and profitability and could have a

material adverse effect on our business, financial condition, results of operations and future prospects.

Our profitability depends on our ability to respond to rapid technological changes in the semiconductor industry.

The semiconductor industry is characterized by rapid increases in the diversity and complexity of semiconductors. As a result, we expect that we will need to constantly offer more sophisticated packaging and testing technologies and processes in order to respond to competitive industry conditions and customer requirements. We have successfully combined our packaging, testing and materials technologies with the expertise of electronic manufacturing services at the systems level to develop our SiP business. Success of a new product depends on a number of factors such as product acceptance by the market. New products are developed in anticipation of future demand. We cannot assure you that the launch of any new product will be successful, or that we will be able to produce sufficient quantities of these products to meet market demand. If we fail to develop, or obtain access to, advances in packaging or testing technologies or processes, we may become less competitive and less profitable. In addition, advances in technology typically lead to declining average selling prices for semiconductors packaged or tested with older technologies or processes. As a result, if we cannot reduce the costs associated with our services, the profitability of a given service and our overall profitability may decrease over time.

Our operating results are subject to significant fluctuations, which could adversely affect the market value of your investment.

Our operating results have varied significantly from period to period and may continue to vary in the future. Downward fluctuations in our operating results may result in decreases in the market price of our common shares and the ADSs. Among the more important factors affecting our quarterly and annual operating results are the following:

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changes in general economic and business conditions, particularly the cyclical nature of the semiconductor and electronics industries and the markets served by our customers;

- our ability to quickly adjust to unanticipated declines or shortfalls in demand and market prices;

- changes in prices for our products or services;

- volume of orders relative to our packaging, testing and manufacturing capacity;

- changes in costs and availability of raw materials, equipment and labor;

- our ability to obtain or develop substitute raw materials with lower cost;

- our ability to successfully develop or market new products or services;

our ability to successfully manage product mix in response to changes in market demand and differences in margin associated with different products;

- timing of capital expenditures in anticipation of future orders;

our ability to acquire or design and produce cost-competitive interconnect materials, and provide integrated solutions for electronic manufacturing services;

fluctuations in the exchange rate between the NT dollar or RMB and foreign currencies, especially the U.S. dollar; and

typhoons, earthquakes, drought, epidemics, tsunami and other natural disasters, as well as industrial and other incidents such as fires and power outages.

Due to the factors listed above, our future operating results or growth rates may be below the expectations of research analysts and investors. If so, the market price of our common shares and the ADSs, and thus the market value of your investment, may fall.

Due to our high percentage of fixed costs, we may be unable to maintain our gross margin at past levels if we are unable to achieve relatively high capacity utilization rates.

Our operations, in particular our testing operations, are characterized by relatively high fixed costs. We expect to continue to incur substantial depreciation and other expenses in connection with our acquisitions of equipment and facilities. Our profitability depends not only on the pricing levels for our services or products, but also on utilization rates for our machinery and equipment, commonly referred to as “capacity utilization rates.” In particular, increases or decreases in our capacity utilization rates can significantly affect gross margins since the unit cost generally decreases as fixed costs are allocated over a larger number of units. In periods of low demand, we experience relatively low capacity utilization rates in our operations, which leads to reduced margins. For example, in the fourth quarter of 2008, we experienced lower than anticipated utilization rates in our operations due to a significant decline in worldwide demand for our packaging and testing services, which resulted in reduced margins during that period. Although capacity utilization rates have recovered since 2009, we cannot assure you that we will be able to maintain or surpass our past gross margin levels if we cannot consistently achieve or maintain relatively high capacity utilization rates.

If we are unable to manage our expansion or investments effectively, our growth prospects may be limited and our future profitability and core business operations may be adversely affected.

We have significantly expanded our operations through both organic growth and acquisitions in recent years. For example, we acquired the controlling interest of Universal Scientific in 2010 to expand our product offering scope to electronic manufacturing services; we also entered into a joint venture agreement with TDK Corporation in May 2015 to further expand our business in embedded substrates; furthermore, we entered into the Joint Share Exchange Agreement with SPIL in June 2016 to take advantage of the synergy effect of business combination between SPIL and us. We expect that we will continue to expand our operations in the future. The purpose of our expansion is mainly to provide total solutions to existing customers or to attract new customers and broaden our product range for a variety of end-use applications. However, rapid expansion may place a strain on our managerial, technical, financial, operational and other resources. As a result of our expansion, we have implemented and will continue to implement additional operational and financial controls and hire and train additional personnel. Any failure to manage our growth effectively could lead to inefficiencies and redundancies and result in reduced growth prospects and profitability.

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In addition, we have recently made investments in real estate development businesses mostly in China. The PRC property market is volatile and may experience undersupply or oversupply and property price fluctuations. The central and local governments frequently adjust monetary and other fiscal policies to prevent and curtail the overheating of the economy. Such policies may lead to changes in market conditions, including price instability and imbalance of supply and demand in respect of office, residential, retail, entertainment, cultural and intellectual properties. We may continue to make investments in this area in the future and our diversification in this industry may put pressure on our managerial, financial, operational and other resources. Our exposure to risks related to real estate development may also increase over time as a result of our expansion into such a business. There can be no assurance that our investments in such a business will yield the anticipated returns and that our expansion into such a business, including the resulting diversion of management's attention, will not adversely affect our core business operations.

***We may not be successful in pursuing mergers and acquisitions. Any mergers or acquisitions we make may lead to a diversion of management resources.***

Our future success may depend on acquiring businesses and technologies, making investments or forming joint ventures that complement, enhance or expand our current product offerings or otherwise offer us growth opportunities. In pursuing such acquisitions, we may face competition from other companies in the semiconductor industry. Our ability to acquire or invest in suitable targets may be limited by applicable laws and regulations in Taiwan, the United States and other jurisdictions where we do business. Even if we are successful in making such acquisitions or investments, we may have to expend substantial amounts of cash, incur debt, assume loss-making divisions and incur other types of expenses. We may also face challenges in successfully integrating any acquired companies into our existing organization or in creating the anticipated cost synergies. Each of these risks could have a material adverse effect on our business, financial condition and results of operations.

The financial performance of our equity method investments could adversely affect our results of operations.

As part of our business strategy, we have and may continue to pursue acquisitions of businesses and assets, strategic alliances and joint ventures. We currently have equity investments in certain entities and the accounting treatment applied for these investments varies depending on a number of factors, including, but not limited to, our percentage ownership and the level of influence we have over the relevant entity. Any losses experienced by these entities could adversely affect our results of operations and the value of our investment. In addition, if these entities were to fail and cease operations, we may lose the entire value of our investment and the stream of any shared profits.

For example, on September 22, 2015, upon the expiration of the Initial SPIL Tender Offer period, we acquired 779,000,000 common shares (including those represented by American depositary shares) of SPIL through the Initial SPIL Tender Offer. We subsequently acquired an additional 258,300,000 common shares of SPIL (including those represented by American depositary shares) through open market purchases in March and April 2016. As of April 21,



2017, we beneficially own 1,037,300,000 common shares of SPIL (calculated as the sum of 988,847,740 common shares of SPIL and 48,452,260 common shares of SPIL underlying 9,690,452 American depositary shares of SPIL), representing 33.29% of the issued and outstanding share capital of SPIL (calculated based on 3,116,361,139 common shares of SPIL (including those represented by American depositary shares) outstanding as of March 31, 2017 as reported in SPIL's annual report on Form 20-F for the year ended December 31, 2016). See "Item 4. Information on the Company— History and Development of the Company—Acquisition of Common Shares and American Depositary Shares of SPIL." Although we are currently a 33.29% shareholder of SPIL, we currently do not control SPIL and do not have the power to direct SPIL or its management. As the investment in SPIL is accounted for using the equity method, to the extent that SPIL has net losses, our financial results will be adversely affected to the extent of our pro rata portion of these losses. In addition, as we currently do not control SPIL and do not have the power to direct SPIL or its management, we do not have access to SPIL's books and records and may not be able to obtain SPIL's financial information on a timely basis. SPIL's reporting time for its financial statements may affect our ability to timely report our own financial statements or meet scheduled announcements for earnings releases.

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There can be no assurance that we will be able to maintain or enhance the value or performance of our investee companies or that we will achieve the returns or benefits sought from such investments. If our interests differ from those of other investors in our investee companies, we may not be able to enjoy synergies with the investee and it may adversely affect our financial results or financial condition.

We may not be successful in our acquisition of 100% of SPIL shares not otherwise owned by us.

On September 22, 2015, upon the expiration of the Initial SPIL Tender Offer period, we acquired 779,000,000 common shares (including those represented by American depositary shares) of SPIL through the Initial SPIL Tender Offer. In December 2015, following an announcement by SPIL that it plans to issue 1,033 million shares, if approved by SPIL shareholders, to a third party pursuant to a share placement agreement, we submitted a written proposal to SPIL's Board proposing to acquire all SPIL shares not otherwise owned by ASE, contingent upon the termination of the share purchase agreement, and later launched the Second SPIL Tender Offer on December 29, 2015 to offer to purchase up to 770,000,000 common shares of SPIL (including those represented by American depositary shares). On March 17, 2016, we announced that the Second SPIL Tender Offer was unsuccessful because the Taiwan Fair Trade Commission (the "TFTC") did not render its decision before the expiration of the Second SPIL Tender Offer. The TFTC subsequently suspended its review on March 23, 2016. Notwithstanding the failure of the Second SPIL Tender Offer, we continued to seek control of SPIL, with the purpose of effecting an acquisition of 100% of the common shares and American depositary shares of SPIL. Under the Joint Share Exchange Agreement, a holding company in Taiwan will be established that would hold 100% of the equity interests of both ASE and SPIL such that ASE and SPIL would be wholly owned subsidiaries of such holding company, which would maintain all current operations of ASE and SPIL in Taiwan. See "Item 4. Information on the Company— History and Development of the Company—Acquisition of Common Shares and American Depositary Shares of SPIL."

The successful consummation of the SPIL Acquisition is subject to a number of factors, including, among other things, obtaining all necessary antitrust or other regulatory approvals in Taiwan, the United States, the PRC and other jurisdictions where we do business. Although we have obtained regulatory approvals in Taiwan, in the event these conditions cannot be satisfied, we may re-evaluate our interest in SPIL and may consider, among other legally permissible alternatives, to dispose our SPIL shares at a loss, which may significantly affect our financial position. Notwithstanding the above, even if we are successful in consummating the SPIL Acquisition, we may face challenges in successfully integrating SPIL into our existing organization or in realizing anticipated benefits and cost synergies. Each of these risks could have a material adverse effect on our business and operations, including our relationship with customers, suppliers, employees and other constituencies, or otherwise adversely affect our financial condition and results of operations.

*There may be risks associated with the proposed holding company structure of SPIL Acquisition.*

We entered into the Joint Share Exchange Agreement with SPIL in June 2016, pursuant to which ASE Holding, a holding company in Taiwan, will hold 100% of the equity interests in both ASE and SPIL such that ASE and SPIL will become wholly owned subsidiaries of ASE Holding. The proposed holding company will maintain all current operations of ASE and SPIL in Taiwan. The common shares of ASE and SPIL will be delisted from the TWSE. The ADSs of ASE and SPIL will be delisted from NYSE and NASDAQ, respectively, and will become eligible for deregistration under the Exchange Act. Subsequently, the common shares of ASE Holding will be listed on the TWSE, and the ADSs of ASE Holding will be listed on the NYSE. The implementation of such corporate structure restructuring plan may require approvals from relevant regulators and may result in unforeseen contingent risks, including increase in tax liabilities or trading discounts relating to a holding company discount that may become apparent in the future.

The packaging and testing businesses are capital intensive. If we cannot obtain additional capital when we need it, our growth prospects and future profitability may be adversely affected.

The packaging and testing business is capital intensive. We will need capital to fund the expansion of our facilities as well as fund our research and development activities in order to remain competitive. We believe that our existing cash, marketable securities, expected cash flow from operations and existing credit lines under our loan facilities will be sufficient to meet our capital expenditures, working capital, cash obligations under our existing debt and lease arrangements, and other requirements for at least the next twelve months. However, future capacity expansions or market or other developments may cause us to require additional funds. Our ability to obtain external financing in the future is subject to a variety of uncertainties, including:

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- our future financial condition, results of operations and cash flows;
- general market conditions for financing activities by semiconductor or electronics companies; and
- economic, political and other conditions in Taiwan and elsewhere.

If we are unable to obtain funding in a timely manner or on acceptable terms, our results of operations and financial conditions may be materially and adversely affected.

Restrictive covenants and broad default provisions in our existing debt agreements may materially restrict our operations as well as adversely affect our liquidity, financial condition and results of operations.

We are a party to numerous loans and other agreements relating to the incurrence of debt, many of which include restrictive covenants and broad default provisions. In general, covenants in the agreements governing our existing debt, and debt we may incur in the future, may materially restrict our operations, including our ability to incur debt, pay dividends, make certain investments and payments, other than in connection with restructurings of consolidated entities, and encumber or dispose of assets. In addition, any global economic deterioration or ineffective expansion may cause us to incur significant net losses or force us to assume considerable liabilities. We cannot assure you that we will be able to remain in compliance with our financial covenants, which, as a result, may lead to a default. This may thereby restrict our ability to access unutilized credit facilities or the global capital markets to meet our liquidity needs. Furthermore, a default under one agreement by us or one of our subsidiaries may also trigger cross-defaults under our other agreements. In the event of default, we may not be able to cure the default or obtain a waiver on a timely basis. An event of default under any agreement timely governing our existing or future debt, if not cured or waived, could have a material adverse effect on our liquidity, financial condition and results of operations.

We have on occasion failed to comply with certain financial covenants in some of our loan agreements. Such non-compliance may also have, through broadly worded cross-default provisions, resulted in default under some of the agreements governing our other existing debt. For example, we failed to comply with certain financial covenants in some of our loan agreements as a result of our acquisition of the controlling interest of Universal Scientific in February 2010, for which we have timely obtained waivers from our counterparties. If we are unable to timely remedy any of our non-compliance under such loan agreements or obtain applicable waivers or amendments, we would breach our financial covenants and our financial condition would be adversely affected. As of December 31, 2016, we were not in breach of any of the financial covenants under our existing loan agreements, although we cannot provide any assurance that we will not breach any of such financial covenants in the future.

We depend on select personnel and could be affected by the loss of their services.

We depend on the continued service of our executive officers and skilled technical personnel. Our business could suffer if we lose the services of any of these personnel and cannot adequately replace them. Although some of these management personnel have entered into employment agreements with us, they may nevertheless leave before the expiration of these agreements. We are not insured against the loss of the services of any of our personnel. In addition, these proceedings may divert these and other employees' attention from our business operations.

In addition, we may be required to increase substantially the number of these employees in connection with our expansion plans, and there is intense competition for their services in this industry. We may not be able to either retain our present personnel or attract additional qualified personnel as and when needed. In addition, we may need to increase employee compensation levels in order to attract and retain our existing officers and employees and the additional personnel that we expect to require. Furthermore, a portion of the workforce at our facilities in Taiwan are foreign workers employed under work permits, which are subject to government regulations on renewal and other terms. Consequently, our business could also suffer if the Taiwan regulations relating to the employment of foreign workers were to become significantly more restrictive or if we are otherwise unable to attract or retain these workers at a reasonable cost.

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If we are unable to obtain additional packaging and testing equipment or facilities in a timely manner and at a reasonable cost, our competitiveness and future profitability may be adversely affected.

The semiconductor packaging and testing businesses are capital intensive and require significant investment in expensive equipment manufactured by a limited number of suppliers. The market for semiconductor packaging and testing equipment is characterized, from time to time, by intense demand, limited supply and long delivery cycles. Our operations and expansion plans depend on our ability to obtain a significant amount of such equipment from a limited number of suppliers. From time to time we have also leased certain equipment. We have no binding supply agreements with any of our suppliers and acquire our packaging and testing equipment on a purchase order basis, which exposes us to changing market conditions and other substantial risks. For example, shortages of capital equipment could result in an increase in the price of equipment and longer delivery times. Semiconductor packaging and testing also require us to operate sizeable facilities. If we are unable to obtain equipment or facilities in a timely manner, we may be unable to fulfill our customers' orders, which could adversely affect our growth prospects as well as financial condition and results of operations. See "Item 4. Information on the Company—Business Overview—Equipment."

Fluctuations in exchange rates could result in foreign exchange losses.

Currently, the majority of our revenues are denominated in U.S. dollars, with a portion denominated in NT dollars and Japanese yen. Our operating costs and operating expenses, on the other hand, are incurred in several currencies, primarily NT dollars, U.S. dollars, RMB, Japanese yen, Korean won, as well as, to a lesser extent, Singapore dollars and Malaysian ringgit. In addition, a substantial portion of our capital expenditures, primarily for the purchase of packaging and testing equipment, has been, and is expected to continue to be, denominated in U.S. dollars, with the remainder in Japanese yen. Fluctuations in exchange rates, primarily among the U.S. dollar against the NT dollar, the Japanese yen and RMB, will affect our costs and operating margins. In addition, these fluctuations could result in exchange losses and increased costs in NT dollar and other local currency terms. Despite hedging and mitigating techniques implemented by us, fluctuations in exchange rates have affected, and may continue to affect, our financial condition and results of operations. We recognized net foreign exchange losses of NT\$1,222.0 million and NT\$713.2 million in 2014 and 2015, respectively, and net foreign exchange gains of NT\$1,928.4 million (US\$59.5 million) in 2016. We cannot assure you that we will achieve foreign exchange gains in the future. See "Item 11. Quantitative and Qualitative Disclosures about Market Risk—Market Risk—Foreign Currency Exchange Rate Risk."

The loss of a large customer or disruption of our strategic alliance or other commercial arrangements with semiconductor foundries and providers of other complementary semiconductor manufacturing services may result in a decline in our revenues and profitability.

Although we have a large customer base, we have derived and expect to continue to derive a large portion of our revenues from a small group of customers during any particular period due in part to the concentration of market share in the semiconductor and electronics industries. Our five largest customers together accounted for approximately 40.3%, 48.2% and 42.0% of our operating revenues in 2014, 2015 and 2016, respectively. One customer accounted for more than 10.0% of our operating revenues in 2014, 2015 and 2016. The demand for our services from a customer is directly dependent upon that customer's level of business activity, which could vary significantly from year to year. Our key customers typically operate in the cyclical semiconductor and electronic business and, in the past, have varied, and may vary in the future, order levels significantly from period to period. Some of these companies are relatively small, have limited operating histories and financial resources, and are highly exposed to the cyclical nature of the industry. We cannot assure you that these customers or any other customers will continue to place orders with us in the future at the same levels as in past periods. The loss of one or more of our significant customers, or reduced orders by any one of them, and our inability to replace these customers or make up for such orders, could adversely affect our revenues and profitability. In addition, we have in the past reduced, and may in the future be requested to reduce, our prices to limit the level of order cancellations. Any price reduction would likely reduce our margins and profitability.

Since 1997, we have maintained a strategic alliance with Taiwan Semiconductor Manufacturing Company Limited, or TSMC, one of the world's largest dedicated semiconductor foundries. TSMC designates us as their non-exclusive preferred provider of packaging and testing services for semiconductors manufactured by TSMC. In addition, we entered into a joint venture agreement with TDK Corporation in May 2015 to further expand our business in embedded substrates. Such strategic alliances, as well as our other commercial arrangements with providers of other complementary semiconductor manufacturing services, enable us to offer total semiconductor manufacturing solutions to our customers. These strategic alliances and other commercial arrangements may not achieve their anticipated commercial benefits and may be terminated at any time. Any failure in successfully maintaining such alliances, any termination of such alliances or our failure to enter into substantially similar strategic alliances or commercial arrangements may adversely affect our competitiveness and our revenues and profitability.

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We rely on a limited number of key customers in certain products for our revenues, and our results of operations may be adversely affected by a reduction of business from our key customers.

Our results of operations also depends on the performance and business of our key customers. Accordingly, risks that could seriously harm our key customers could harm us as well, including:

- loss of market share for our key customers' products;
- recession in our key customers' markets;

failure of their products to gain wide-spread commercial acceptance; and

our key customers' inability to manage their operations efficiently and effectively.

The launch and market acceptance of our individual key customers' products could significantly impact our product and customer mix, resulting in significant volatility in the demand for the solutions we offer and our results of operations. It is also possible that a key customer's market share with respect to its product may decline as its competitors introduce new products, which could adversely affect our results of operations, particularly if we are unable to sell our solutions to such competitors. Furthermore, sales of our key customers' products are subject to seasonal fluctuation.

Our revenues and profitability may decline if we are unable to obtain adequate supplies of raw materials in a timely manner and at a reasonable price.

Our operations, such as packaging operations, substrate operations and electronic manufacturing services, require that we obtain adequate supplies of raw materials on a timely basis. Shortages in the supply of raw materials have in the past resulted in occasional price increases and delivery delays. In addition, the operations of some of our suppliers are vulnerable to natural disasters, such as earthquakes and typhoons, the occurrences of which may deteriorate and prolong the shortage or increase the uncertainty of the supply of raw materials. For example, on March 11, 2011, a major earthquake occurred off the coast of Japan resulting in a large tsunami and radiation leak at the Fukushima nuclear power plant. We experienced a disruption to the supply of raw materials from Japan for about three to four weeks due to the fear of radiation contamination and the reduction or postponement in production by some of our Japanese suppliers. Although the purchase of supplies from Japan has been restored to the previous level, we cannot assure you that we will not suffer long-term from the impact of the earthquake and the tsunami. In addition, further earthquakes, aftershocks thereof or other disasters in Japan or other regions in which we operate may cause a decline in our sales. Any of the above events or developments may have a material adverse effect on our business, results of



operations and financial condition.

Raw materials such as IC substrates are prone to supply shortages since such materials are produced by a limited number of suppliers, such as Kinsus Interconnect Technology Corporation, Nanya Printed Circuit Board Corporation, Unimicron Technology Corp. and LG Innotek Co., Ltd. Our operations conducted through our wholly owned subsidiaries ASE Electronics and ASE Shanghai have improved our ability to obtain IC substrates on a timely basis and at a reasonable cost. In 2016, our interconnect materials operations supplied approximately 29.7% of our consolidated substrate requirements by value. We do not expect that our internal interconnect materials operations will be able to meet all of our interconnect materials requirements. Consequently, we will remain dependent on market supply and demand for our raw materials. In addition, recent fluctuations in prices of precious metals, such as gold, have also affected the price at which we have been able to purchase the principal raw materials we use in our packaging processes. We cannot guarantee that we will not experience shortages in the near future or that we will be able to obtain adequate supplies of raw materials in a timely manner or at a reasonable price. Our revenues and net income could decline if we are unable to obtain adequate supplies of high quality raw materials in a timely manner or if there are significant increases in the costs of raw materials that we cannot pass on to our customers.

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Regulations related to conflict minerals could adversely affect our business, financial condition and results of operations.

The Dodd-Frank Wall Street Reform and Consumer Protection Act contains provisions to improve transparency and accountability concerning the supply of certain minerals, known as conflict minerals, which are defined as cassiterite, columbite-tantalite, gold, wolframite or their derivatives and other minerals determined by the U.S. government to be financing conflict in the Democratic Republic of Congo and adjoining countries. As a result, in August 2012 the SEC adopted annual disclosure and reporting requirements for those companies who use conflict minerals in their products. These rules require companies that manufacture or contract to manufacture products for which conflict minerals are necessary to the functionality or production to begin scrutinizing the origin of conflict minerals in their products starting from January 1, 2013, and file a new form, Form SD, containing the conflict minerals disclosure by May 31 for the prior calendar year, beginning May 31, 2014. We filed a specialized disclosure report on Form SD for the years ended December 31, 2013, 2014 and 2015 on May 30, 2014, June 1, 2015 and May 31, 2016, respectively. Pursuant to the SEC rules governing conflict minerals disclosures, we have engaged an independent auditing firm to conduct audits on our due diligence framework to provide a private sector report for our specialized disclosure report on Form SD for the years ended December 31, 2014, 2015 and 2016. As a result, there will be costs associated with complying with these disclosure requirements, including costs for diligence to determine the sources of conflict minerals used in our products and other potential changes to products, processes or sources of supply as a consequence of such verification activities. The implementation of these rules could adversely affect the sourcing, supply and pricing of materials used in our products. As there may be only a limited number of suppliers offering “conflict free” minerals, we cannot be sure that we will be able to obtain necessary “conflict free” minerals from such suppliers in sufficient quantities or at competitive prices. Also, we may face adverse effects to our reputation if we determine that certain of our products contain minerals not determined to be conflict free or if we are unable to sufficiently verify the origins for all conflict minerals used in our products through the procedures we may implement.

System security risks, data protection breaches or unexpected system outage or failures could harm our business, financial condition and results of operations.

We rely on the efficient and uninterrupted operation of complex information technology applications, systems and networks to operate our business. Our systems are vulnerable to damage or interruption from earthquakes, terrorist attacks, floods, fires, power loss, telecommunications failures, cyber-attacks, computer viruses, computer denial of service attacks or other attempts to harm our system, and similar events. In recent years, the risks that we face from cyber-attacks have increased significantly. Some of these attacks may originate from well-organized, highly skilled organizations. Although there have not been reported major cyber-attacks against our systems in the recent years, any such attack or system or network disruption could result in a loss of our intellectual property, the release of commercially sensitive information, customer or employee personal data. Failures to protect the privacy of customer and employee confidential data against breaches of network security could result in damage to our reputation.

Furthermore, some of our data centers are located in areas with a high risk of major earthquakes. Our data centers are also subject to break-ins, sabotage and intentional acts of vandalism, and to potential disruptions if the operators of these facilities have financial difficulties. Some of our systems are not fully redundant, and our disaster recovery planning cannot account for all eventualities. The occurrence of a natural disaster, a decision to close a facility we are using without adequate notice for financial reasons or other unanticipated problems at our data centers could result in loss of production capabilities and lengthy interruptions in our service. Any damage to or failure of our systems could result in interruptions in our service. Interruptions in our service could materially and adversely affect our business, financial condition and results of operations.

Any environmental claims or failure to comply with any present or future environmental regulations, as well as any fire or other industrial accident, may require us to spend additional funds and may materially and adversely affect our financial condition and results of operations.

We are subject to various laws and regulations relating to the use, storage, discharge and disposal of chemical by-products of, and water used in, our packaging and interconnect materials production processes, and the emission of volatile organic compounds and the discharge and disposal of solid industrial wastes from electronic manufacturing services operations. In the recent years, we have been subject to environmental administrative actions and judicial proceedings related to certain wastewater discharge incidents that occurred at our facilities. As a result of these proceedings, we have been subject to monetary fines as well as sanctions, including orders to suspend or limit our operations and criminal charges against us.

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In December 2013, the Kaohsiung City Environmental Protection Bureau ordered us to suspend the operations at our K7 Plant's wafer-level process where nickel was used for alleged wastewater discharge violations and imposed a NT\$110.1 million fine against us. The NT\$110.1 million fine was later reduced to NT\$109.4 million as ordered by the Kaohsiung City Environmental Protection Bureau. In December 2014, the Kaohsiung City Environmental Protection Bureau lifted the suspension order and approved the full resumption of operations of our K7 Plant after ordering a series of examinations, hearings and trial runs. In September 2015, the fine was further reduced to NT\$102.0 million by the Kaohsiung City Environmental Protection Bureau and we received a refund of NT\$7.3 million in October 2015. Although our K7 Plant has resumed full operation, we may be subject to other new environmental claims, charges or investigations on our K7 Plant or other facilities that may cause similar or more severe interruptions to our business and operations.

With respect to the NT\$102.0 million administrative penalty imposed on us by the Kaohsiung City Environmental Protection Bureau, we appealed to the Kaohsiung High Administrative Court in August 2014 seeking to (i) revoke Kaohsiung City Government's decision, (ii) lift the administrative penalty imposed on us and (iii) demand a refund of the administrative penalty. On March 22, 2016, the Kaohsiung High Administrative Court revoked Kaohsiung City Government's decision and lifted the administrative penalty. Our demand for a refund of the fine was dismissed. We appealed to the Supreme Administrative Court on April 14, 2016 against the Kaohsiung High Administrative Court's unfavorable ruling in dismissing a refund. The outcome of the proceeding cannot be predicted with certainty.

In connection with the same alleged violations at our K7 plant, in October 2014, the Kaohsiung District Court ruled that we were in violation of the ROC Waste Disposal Act and imposed on us a criminal penalty of NT\$3.0 million. We appealed the case to the Taiwan High Court Kaohsiung District Branch in November 2014. In September 2015, the Taiwan High Court Kaohsiung District Branch overturned the decision made by Kaohsiung District Court and found the Company not guilty and repealed the criminal penalty imposed on the Company. The verdict was final and not appealable. For additional details of these administrative actions and judicial proceedings related to our K7 Plant see "Item 4. Information on the Company—Business Overview—Environmental Matters," "Item 4. Information on the Company—Property, Plants and Equipment" and "Item 8. Financial Information—Consolidated Statements and Other Financial Information—Legal Proceedings." Defending against any of these pending or future actions will likely be costly and time-consuming and could significantly divert management's efforts and resources. Any penalties, fines, damages or settlements made in connection with any criminal, civil, and/or administrative investigations and/or lawsuits may have a material adverse effect on our business, results of operations and future prospects.

We have made, and expect to continue to make, expenditures to maintain strict compliance with such environmental laws and regulations. For example, in order to demonstrate our commitment to environmental protection, in December 2013, our board of directors approved contributions to environmental protection efforts in Taiwan in a total amount of not less than NT\$3,000.0 million, to be made in the next 30 years. For the years ended December 31, 2014, 2015 and 2016, we have made contributions in the amount of NT\$100.0 million (US\$3.1 million) each, respectively, through ASE Cultural and Educational Foundation to fund various environmental projects, and our board of directors have resolved in a resolution in January 2017 to contribute NT\$100.0 million (US\$3.1 million) through ASE Cultural and Educational Foundation in environmental projects in 2017. The costs of current and future compliance with environmental laws and regulations could require us to acquire costly equipment or to incur other significant expenses

that may have a material adverse effect on our financial condition and results of operations.

Negative publicity may adversely affect our brand and reputation, which may result in a material adverse impact on our business, results of operations and prospects and cause fluctuations in the price of our common shares and ADSs.

Any negative publicity may damage our brand and reputation, harm our ability to attract and retain customers and result in a material adverse impact on our results of operations and prospects as well as cause fluctuations in the trading price of our common shares and ADSs. In addition, any change in policy or directions in which we carry out our corporate social responsibility or corporate sustainability activities may also have an adverse effect on our reputation. Furthermore, in recent years, we have experienced and may continue to experience negative publicity in connection with administrative penalties and criminal charges related to alleged violations of environmental regulations and laws. For further details, see “—Any environmental claims or failure to comply with any present or future environmental regulations, as well as any fire or other industrial accident, may require us to spend additional funds and may materially and adversely affect our financial condition and results of operations,” “Item 4. Information on the Company—Business Overview—Environmental Matters,” “Item 4. Information on the Company—Property, Plants and Equipment” and “Item 8. Financial Information—Consolidated Statements and Other Financial Information—Legal Proceedings.”

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Climate change and other environmental concerns may negatively affect our business.

There is increasing concern that climate change is occurring and may have dramatic effects on human activity without aggressive remediation steps. A modest change in temperature would result in increased coastal flooding, changing precipitation patterns and increasing risk of extinction for the world's species. Public expectations for reductions in greenhouse gas emissions could result in increased energy, transportation and raw material costs. Scientific examination of, political attention to and rules and regulations on issues surrounding the existence and extent of climate change may result in an increase in the cost of production due to increase in the prices of energy and introduction of energy or carbon tax. Various regulatory developments have been introduced that focus on restricting or managing emissions of carbon dioxide, methane and other greenhouse gases. Enterprises may need to purchase at higher costs emission credits, new equipment or raw materials with lower carbon footprints. These developments and further legislation that is likely to be enacted could negatively affect our operations. Changes in environmental regulations, such as those on the use of perfluorinated compounds, could increase our production costs, which could adversely affect our results of operation and financial condition.

In addition, more frequent droughts and floods, extreme weather conditions and rising sea levels could occur due to climate change. The impact of such changes could be significant as most of our factories are located in islands including Taiwan, Singapore, Korea and Malaysia. For example, transportation suspension caused by extreme weather conditions could harm the distribution of our products. Similarly, our operations depend upon adequate supplies of water, and extended or serious droughts may affect our ability to obtain adequate supplies of water and threaten our production. We cannot predict the economic impact, if any, of disasters or climate change.

Furthermore, increasing climate change and environmental concerns could affect the results of our operations if any of our customers request that we exceed any standards set for environmentally compliant products and services, or if raw materials and/or products are required to meet strict inspection standards with respect to any radioactive contamination as a result of concerns arising from radiation leaking incidents, such as the radiation leak occurred in March 2011 in Japan. If we are unable to offer products that are in compliance with relevant environmental standards, or such products become less reliable due to the lack of reasonably available alternative technologies, it may harm our results of operations.

We may be subject to intellectual property rights disputes, which could materially adversely affect our business.

Our ability to compete successfully and achieve future growth depends, in part, on our ability to develop and protect our proprietary technologies and to secure on commercially acceptable terms certain technologies that we do not own. We cannot assure you that we will be able to independently develop, obtain patents for, protect or secure from any third party, the technologies required. Our failure to successfully obtain such technology may seriously harm our competitive position.

Our ability to compete successfully also depends, in part, on our ability to operate without infringing the proprietary rights of others. We have no means of knowing what patent applications have been filed in the United States or elsewhere until they are granted or published. In particular, the semiconductor and electronics industries are characterized by frequent litigation regarding patent and other intellectual property rights. It is common for patent owners to assert their patents against semiconductor manufacturers. We have received from time to time communication from third parties asserting patents that cover certain of our technologies and alleging infringement of intellectual property rights of others, and we may continue receiving such communication in the future. In the event that any third party makes a valid claim against us or against our customers, we could be required to:

seek to acquire licenses to the infringed technology which may not be available on commercially reasonable terms, if at all;

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·discontinue using certain process technologies, which could cause us to stop manufacturing certain semiconductors;

· pay substantial monetary damages; and/or

· seek to develop non-infringing technologies, which may not be feasible.

Any one of these developments could place substantial financial and administrative burden on us and hinder our business. In February 2006, Tessera filed a suit against us and others alleging patent infringement. In February 2014, ASE Inc. and our U.S. subsidiary, ASE (U.S.) Inc. reached a term sheet agreement with Tessera to fully resolve the remaining legal proceedings between each other, under which we would pay a total of US\$30.0 million to Tessera (which was fully recognized by us in the fourth quarter of 2013) and both Tessera and we would dismiss all pending claims against each other. The final settlement agreement was entered into among the parties in October 2014 and the final settlement amount was reduced to US\$27.0 million. In October 2014, the United States District Court for the Northern District of California dismissed all claims between Tessera and us. We have fully paid the settlement amount in January 2015 and reversed the settlement amount of US\$3.0 million in the fourth quarter of 2014.

Any litigation, whether as plaintiff or defendant and regardless of the outcome, is costly and diverts company resources. Any of the foregoing could harm our competitive position and render us unable to provide some of our services operations.

Our major shareholders may take actions that are not in, or may conflict with, our public shareholders' best interest.

Members of the Chang family own, directly or indirectly, a significant interest in our outstanding common shares. See "Item 7. Major Shareholders and Related Party Transactions—Major Shareholders." Accordingly, these shareholders will continue to have the ability to exercise a significant influence over our business, including matters relating to:

· our management and policies;

· the timing and distribution of dividends; and

· the election of our directors.



Members of the Chang family may take actions that you may not agree with or that are not in our or our public shareholders' best interests.

We are an ROC company and, because the rights of shareholders under ROC law differ from those under U.S. law and the laws of certain other countries, you may have difficulty protecting your shareholder rights.

Our corporate affairs are governed by our Articles of Incorporation and by the laws governing corporations incorporated in the ROC. The rights of shareholders and the responsibilities of management and the members of the board of directors under ROC law are different from those applicable to a corporation incorporated in the United States and certain other countries. As a result, public shareholders of ROC companies may have more difficulty in protecting their interests in connection with actions taken by management or members of the board of directors than they would as public shareholders of a corporation in the United States or certain other countries.

We have made investments in, and are exploring the possibility of expanding our businesses and operations to, or making additional investments in, the PRC, which may expose us to additional political, regulatory, economic and foreign investment risks.

We currently maintain packaging and testing facilities and electronic manufacturing services sites in the PRC. We also made substantial investments in PRC real estate development through our subsidiaries in the PRC. Under PRC laws and regulations, foreign investment projects, such as our subsidiaries, must obtain certain approvals from the relevant governmental authorities in the provinces or special economic zones in which they are located and, in some circumstances, from the relevant authorities in the PRC's central government. Foreign investment projects must also comply with certain regulatory requirements. However, PRC laws and regulations are often subject to varying interpretations and means of enforcement, and additional approvals from the relevant governmental authorities may be required for the operations of our PRC subsidiaries. If required, we cannot assure you that we will be able to obtain these approvals in a timely manner, if at all. Because the PRC government holds significant discretion in determining matters relating to foreign investment, we cannot assure you that the relevant governmental authorities will not take action that is materially adverse to our PRC operations.

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In addition, the PRC stock market is subject to extreme price and volume fluctuations. We are the controlling shareholder of Universal Scientific Shanghai, which is an entity currently listed on the Shanghai Stock Exchange. The PRC securities markets have recently experienced, and may experience in the future, significant price declines and volatility. Any volatility may have a significant effect on Universal Scientific Shanghai's share price and may indirectly affect the market price of our common shares and ADSs.

Our global manufacturing and sales activities subject us to risks associated with legal, political, economic or other conditions or developments in various jurisdictions, including in particular the ROC and the PRC, which could negatively affect our business and financial status and therefore the market value of your investment.

Our principal executive office and our principal production facilities are located in the ROC, and a substantial majority of our net revenues are derived from our operations in the ROC and the PRC. In addition, we have operations worldwide and a significant percentage of our revenue comes from sales to locations outside the ROC or the PRC. Operating in the ROC, PRC and other overseas locations exposes us to changes in policies and laws, as well as the general political and economic conditions, security risks, health conditions and possible disruptions in transportation networks, in the various countries in which we operate, which could result in an adverse effect on our business operations in such countries. If any of our global operations are affected by the legal, political, economic or other conditions in the jurisdiction we operate, our results of operations as well as market price and the liquidity of our ADSs and common shares may be materially and adversely affected.

Any impairment charges may have a material adverse effect on our net income.

Under IFRS, we are required to evaluate our assets, such as equipment, goodwill and investments, for possible impairment at least annually or whenever there is an indication of impairment. If certain criteria are met, we are required to record an impairment charge.

With respect to assets, we recognized impairment charges of NT\$308.1 million, NT\$258.1 million and NT\$888.2 million (US\$27.4 million) in 2014, 2015 and 2016, respectively, primarily as a result of an impairment charge related to buildings and improvement, and impaired equipment and investment. See "Item 5. Operating and Financial Review and Prospects—Operating Results and Trend Information—Critical Accounting Policies and Estimates—Impairment of Tangible and Intangible Assets Other Than Goodwill," "Item 5. Operating and Financial Review and Prospects—Operating Results and Trend Information—Critical Accounting Policies and Estimates—Valuation of Investments" and "Item 5. Operating and Financial Review and Prospects—Operating Results and Trend Information—Critical Accounting Policies and Estimates—Goodwill."

We are unable to estimate the extent and timing of any impairment charges for future years and we cannot give any assurance that impairment charges will not be required in periods subsequent to December 31, 2016. Any impairment charge could have a material adverse effect on our net income. The determination of an impairment charge at any given time is based significantly on our expected results of operations over a number of years in the future. As a result, an impairment charge is more likely to occur during a period in which our operating results and outlook are otherwise already depressed.

Provisions of our outstanding convertible bonds could discourage an acquisition of us by a third party.

In September 2013, we completed the offering of the 2018 Convertible Bonds, and in July 2015, we completed the offering of the 2018 NTD-linked Convertible Bonds. Certain provisions of our convertible bonds could make it more difficult or more expensive for a third party to acquire us. In the event that (1) our common shares cease to be listed on the TWSE; (2) any person or persons acting together acquire control of us if such person or persons do not have, and would not be deemed to have, control of us as of a specified date; (3) we consolidate with or merge into or sell or transfer all or substantially all of our assets to any other person, unless the consolidation, merger, sale or transfer will not result in the other person or persons acquiring control over us or the successor entity; or (4) one or more other persons acquire the legal or beneficial ownership of all or substantially all of our capital stock, holders of these bonds shall have the right to require us to repurchase all or any portion of the principal amount thereof (which is US\$200,000 or any integral multiples thereof) of such holder's bonds. "Control" means the right to appoint and/or remove all or the majority of the members of our board of directors or other governing body, whether obtained directly or indirectly, and whether obtained by ownership of share capital, the possession of voting rights, contract or otherwise. However, a "change of control" will not be deemed to have occurred (i) solely as a result of the issuance or transfer, with the Company's corporation, of any preferred shares in the Company's capital or (ii) if the closing price per common share for any five trading days within the period of 10 consecutive trading days ending immediately after the later of the change of control or the public announcement of the change of control equals or exceeds 110% of the conversion price in effect on each of those five trading days.

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The accounting treatment for our outstanding convertible bonds, including the treatment for conversion option, redemption option and put option embedded in our outstanding convertible bonds, could have a material effect on our reported financial results.

In September 2013, we completed the offering of the 2018 Convertible Bonds. Since the 2018 Convertible Bonds are denominated in U.S. dollars, which is different from our functional currency under IFRS, we separated the conversion option, redemption option and put option embedded in 2018 Convertible Bonds (collectively, the “Bond Options”) and recognized them as a freestanding derivative at fair value through profit or loss. To determine the fair value of the Bond Options of the 2018 Convertible Bonds, we are subject to a mark-to-market accounting on the Bond Options embedded in the 2018 Convertible Bonds. As a result, if the fair value of our common shares rises, mark to market of the Bond Options would lead to losses in our financial statements. For each reporting period over the term of the convertible bonds, a gain (or loss) will be reported in our consolidated statement of comprehensive income to the extent the fair value of the Bond Options changes from the previous period. Changes in fair value of the Bond Options generated a loss for NT\$777.6 million, NT\$112.0 million and a gain for NT\$1,418.7 million (US\$43.8 million) in 2014, 2015 and 2016, respectively. See note 19 to our audited consolidated financial statements included in this annual report.

Any failure to achieve and maintain effective internal controls could have a material adverse effect on our business and results of operations.

We are subject to reporting obligations under the U.S. securities laws. The SEC as required by Section 404 of the Sarbanes-Oxley Act of 2002 adopted rules requiring every public company to include a management report on the effectiveness of such company’s internal control over financial reporting in its annual report. In addition, an independent registered public accounting firm must report on such company’s internal control over financial reporting.

Our management concluded that our internal control over financial reporting was effective as of December 31, 2016 and our independent registered public accounting firm has issued an attestation report concluding that our internal control over financial reporting was effective in all material aspects. As effective internal control over financial reporting is necessary for us to produce reliable financial reports and is important to help prevent fraud, any failure to maintain effective internal control over financial reporting could harm our business and result in a loss of investor confidence in the reliability of our financial statements, which in turn could negatively impact the trading price of our common shares and ADSs. Furthermore, we may need to incur additional costs and use additional management and other resources in an effort to comply with Section 404 of the Sarbanes-Oxley Act and other requirements going forward.

We could potentially face tax uncertainties arising from the decisions, activities, and operations undertaken by us.

There are many business activities that may give rise to tax issues in our daily operations, ranging from procurement, research and development activities, manufacturing to product storage and distribution, among other activities. Additional tax liabilities such as double taxation, inapplicability of tax incentives, tax adjustment and related interest and penalties may arise if all these tax issues are not dealt with properly. The development and evolution of tax laws and regulations present considerable uncertainties in interpretation and enforcement, which could call for more onerous compliance measures and tax audits in the jurisdictions in which we operate. Failure to comply with any change in tax laws could result in unfavorable tax consequences to us and have an adverse impact on our business, financial condition and results of operations.

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Risks Relating to Taiwan, ROC

Strained relations between the ROC and the PRC and disruptions in Taiwan's political environment caused by domestic political events could negatively affect our business and the market value of your investment.

Our principal executive offices and our principal facilities are located in Taiwan and approximately 52.1%, 46.9% and 48.6% of our operating revenues in 2014, 2015 and 2016, respectively, were derived from our operations in Taiwan. Accordingly, our business and financial condition may be affected by changes in local governmental policies and political and social instability.

The ROC has a unique international political status. The government of the PRC asserts sovereignty over all of China, including Taiwan, and does not recognize the legitimacy of the ROC government. Although significant economic and cultural relations have been established in recent years between the ROC and the PRC, relations have often been strained. Any major change in the Taiwanese political environment, including the outcome of presidential or municipal elections, or potential shifts in government policy, may affect the direction of economic and political developments and negatively impact the economic and political environment in Taiwan. Past developments related to the interaction between the ROC and the PRC, domestic political events or election results have on occasion depressed the market prices of the securities of Taiwanese or Taiwan-related companies, including our own. Relations between the ROC and the PRC and other factors affecting the political or economic conditions in Taiwan could have a material adverse effect on our financial condition and results of operations, as well as the market price and the liquidity of our common shares and ADSs.

Currently, we manufacture interconnect materials in the PRC through our wholly owned subsidiary, ASE Shanghai. We also provide packaging and testing services in the PRC through some of our subsidiaries. In addition, we engage in the PRC in real estate development and the manufacture of computer peripherals and electronic components through our subsidiaries in the PRC. See "Item 4. Information on the Company—Organizational Structure—Our Consolidated Subsidiaries." In the past, ROC companies, including ourselves, were prohibited from investing in facilities for the packaging and testing of semiconductors in the PRC. Although the prohibitions have been relaxed since February 2010, the ROC government currently still restricts certain types of investments by ROC companies, including ourselves, in the PRC. We do not know when or if such laws and policies governing investment in the PRC will be amended, and we cannot assure you that such ROC investment laws and policies will permit us to make further investments of certain types in the PRC in the future that we consider beneficial to us. Our growth prospects and profitability may be adversely affected if we are restricted from making certain additional investments in the PRC and are not able to fully capitalize on the growth of the semiconductor industry in the PRC.

As a substantial portion of our business and operations is located in Taiwan, we are vulnerable to earthquakes, typhoons, drought and other natural disasters, as well as power outages and other industrial incidents, which could

severely disrupt the normal operation of our business and adversely affect our results of operations.

Taiwan is susceptible to earthquakes and has experienced severe earthquakes which caused significant property damage and loss of life, particularly in the central and eastern parts of Taiwan. Earthquakes have damaged production facilities and adversely affected the operations of many companies involved in the semiconductor and other industries. For example, in February 2016, an earthquake measuring 6.4 on the Richter magnitude scale occurred in Kaohsiung caused several death and property damages. However, the earthquake did not have a material impact on our operations. We have never experienced structural damage to our facilities or damage to our machinery and equipment as a result of these earthquakes. In the past, however, we have experienced interruptions to our production schedule primarily as a result of power outages caused by earthquakes.

Taiwan is also susceptible to typhoons, which may cause damage and business interruptions to companies with facilities located in Taiwan. For example, on September 14, 2016, Taiwan experienced severe damage from typhoon Meranti that caused severe flooding, extensive property damage and loss of electricity for thousands of households. Taiwan has experienced severe droughts in the past. Although we have not been directly affected by droughts, we are dependent upon water for our packaging and substrates operations and a drought could interrupt such operations. In addition, a drought could interrupt the manufacturing process of the foundries located in Taiwan, in turn disrupting some of our customers' production, which could result in a decline in the demand for our services. In addition, the supply of electrical power in Taiwan, which is primarily provided by Taiwan Power Company, the state-owned electric utility, is susceptible to disruption that could be prolonged and frequent, caused by overload as a result of high demand or other reasons.

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Kaohsiung is one of the major industrial cities in Taiwan. Our testing and packaging businesses have been founded in Kaohsiung and currently our primary testing and packaging operations are located in Kaohsiung. In July 2014, following leaks from underground propene pipes, a series of propene pipeline explosions occurred in the Cian-Jhen and Ling-Ya districts of Kaohsiung. 32 people were killed and 321 others were injured from this incident. Although we have not been directly affected by the explosion, future industrial incidents could negatively affect our operation and result in interruption or delay of our operation or production capacity.

Our production facilities as well as many of our suppliers and customers and providers of complementary semiconductor manufacturing services, including wafer foundries, are located in Taiwan. If our customers are affected by an earthquake, a typhoon, a drought or any other natural disasters, or power outage or other industrial incidents, it could result in a decline in the demand for our services. If our suppliers or providers of complementary semiconductor manufacturing services are affected, our production schedule could be interrupted or delayed. As a result, a major earthquake, typhoon, drought or other natural disaster in Taiwan, or a power outage or other industrial incident could severely disrupt the normal operation of our business and have a material adverse effect on our financial condition and results of operations.

We face risks related to health epidemics and outbreaks of contagious diseases, including H5N1 influenza, H7N9 influenza, H9N2 influenza, Severe Acute Respiratory Syndrome, or SARS, Middle East Respiratory Syndrome, or MERS, Ebola virus and Zika virus.

There have been reports of outbreaks of a highly pathogenic influenza caused by the H5N1, H7N9 and H9N2 viruses, in certain regions of Asia and other parts of the world. In recent years, Ebola virus disease broke out in West Africa, with a number of people having died of the disease in countries such as Guinea, Sierra Leone and Liberia. There are also cases of patients diagnosed with Ebola in the United States and Europe. In addition, Zika virus disease broke out in the Americas in 2015 and is currently ongoing, infecting people throughout South America, Central America, Mexico and the Caribbean. The disease is strongly linked to cases of microcephaly and Guillain–Barré syndrome in Brazil. An outbreak of such contagious diseases in the human population could result in a widespread health crisis that could adversely affect the economies and financial markets of many countries. Additionally, a recurrence of SARS, a highly contagious form of atypical pneumonia, similar to the occurrence in 2003, which affected the PRC, Hong Kong, Taiwan, Singapore, Vietnam and certain other countries, and MERS, a viral respiratory infection which affected South Korea in 2015, would also have similar adverse effects. Since most of our operations and customers and suppliers are based in Asia (mainly in Taiwan and the PRC), an outbreak of H5N1 influenza, H7N9 influenza, H9N2 influenza, SARS, MERS, Ebola, Zika virus or other contagious diseases in Asia or elsewhere, or the perception that such an outbreak could occur, and the measures taken by the governments of countries affected, including the ROC and the PRC, could adversely affect our business, financial condition or results of operations.

*Escalation of tensions between South Korea and North Korea could have an adverse effect on our operations in South Korea and the market value of our shares.*



Relationship between South Korea and North Korea have been tense throughout Korea's modern history. The level of tension between the two Koreas has fluctuated and may increase abruptly as a result of current and future events. In recent years, there have been heightened security concerns stemming from North Korea's nuclear weapons and ballistic missile programs and increased uncertainty regarding North Korea's actions and possible responses from the international community.

Although we do not derive any revenue from, nor sell any products in, North Korea, any further increase in tensions between South Korea and North Korea that may occur, for example, if North Korea experiences a leadership crisis, high-level contacts between South Korea and North Korea break down, or military hostilities occur, could have a material adverse effect on the South Korea economy and on our South Korea subsidiary, our business, financial condition, results of operations and the market value of our common stock.

***Any attempt by the U.S. government to withdraw from or materially modify existing international trade agreements could adversely affect our business, financial condition and results of operations.***

The United States is undergoing major political changes, which has created uncertainty regarding future U.S. trade policies. During the election campaign, the then president-elect Trump made comments suggesting that he was not supportive of certain existing international trade agreements. At this time, it remains unclear what the new administration would or would not do with respect to these international trade agreements. However, if the new administration takes action to withdraw from or materially modify these international trade agreements, our business, financial condition and results of operations could be adversely affected.

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Risks Relating to Ownership of Our Common Shares and the ADSs

The market for our common shares and the ADSs may not be liquid.

Active, liquid trading markets generally result in lower price volatility and more efficient execution of buy and sell orders for investors, compared to less active and less liquid markets. Liquidity of a securities market is often a function of the volume of the underlying shares that are publicly held by unrelated parties.

There has been no trading market outside the ROC for our common shares and the only trading market for our common shares is the TWSE. The outstanding ADSs are listed on the NYSE. There is no assurance that the market for our common shares or the ADSs will be active or liquid.

Although ADS holders are entitled to withdraw our common shares underlying the ADSs from the depositary at any time, ROC law requires that our common shares be held in an account in the ROC or sold for the benefit of the holder on the TWSE. In connection with any withdrawal of common shares from our ADS facility, the ADSs evidencing these common shares will be cancelled. Unless additional ADSs are issued, the effect of withdrawals will be to reduce the number of outstanding ADSs. If a significant number of withdrawals are effected, the liquidity of our ADSs will be substantially reduced. We cannot assure you that the ADS depositary will be able to arrange for a sale of deposited shares in a timely manner or at a specified price, particularly during periods of illiquidity or volatility.

If a non-ROC holder of ADSs withdraws and holds common shares, such holder of ADSs will be required to appoint a tax guarantor, local agent and custodian in the ROC and register with the TWSE or the Taipei Exchange in order to buy and sell securities on the TWSE.

When a non-ROC holder of ADSs elects to withdraw and hold common shares represented by ADSs, such holder of the ADSs will be required to appoint an agent for filing tax returns and making tax payments in the ROC. Such agent will be required to meet the qualifications set by the ROC Ministry of Finance and, upon appointment, becomes the guarantor of the withdrawing holder's tax payment obligations. Evidence of the appointment of a tax guarantor, the approval of such appointment by the ROC tax authorities and tax clearance certificates or evidentiary documents issued by such tax guarantor may be required as conditions to such holder repatriating the profits derived from the sale of common shares. We cannot assure you that a withdrawing holder will be able to appoint, and obtain approval for, a tax guarantor in a timely manner.

In addition, under current ROC law, such withdrawing holder is required to register with the TWSE or the Taipei Exchange and appoint a local agent in the ROC to, among other things, open a bank account and open a securities trading account with a local securities brokerage firm, pay taxes, remit funds and exercise such holder's rights as a shareholder. Furthermore, such withdrawing holder must appoint a local bank or a local securities firm to act as custodian for confirmation and settlement of trades, safekeeping of securities and cash proceeds and reporting and declaration of information. Without satisfying these requirements, non-ROC withdrawing holders of ADSs would not be able to hold or otherwise subsequently sell our common shares on the TWSE or otherwise.

Pursuant to Mainland Investors Regulations, only QDIIs or persons that have otherwise obtained the approval from the MOEAIC and registered with the TWSE are permitted to withdraw and hold our shares from a depositary receipt facility. In order to hold our shares, such QDIIs are required to appoint an agent and custodian as required by the Mainland Investors Regulations. If the aggregate amount of our shares held by any QDII or shares received by any QDII upon a single withdrawal or in the aggregate accounts for 10.0% of our total issued and outstanding shares, such QDII must obtain the prior approval from the MOEAIC. We cannot assure you that such approval would be granted.

The market value of your investment may fluctuate due to the volatility of the ROC securities market.

The trading price of our ADSs may be affected by the trading price of our common shares on the TWSE. The ROC securities market is smaller and more volatile than the securities markets in the United States and in many European countries. The TWSE has experienced substantial fluctuations in the prices and volumes of sales of listed

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securities and there are currently limits on the range of daily price movements on the TWSE. The TWSE Index peaked at 12,495.3 in February 1990, and subsequently fell to a low of 2,560.5 in October 1990. On March 13, 2000, the Taiwan Stock Exchange Index experienced a 617-point drop, which represented the single largest decrease in the Taiwan Stock Exchange Index in its history. During the period from January 1, 2016 to December 31, 2016, the Taiwan Stock Exchange Index peaked at 9,392.68 on December 9, 2016, and reached a low of 7,664.01 on January 21, 2016. Over the same period, the trading price of our common shares ranged from NT\$39.90 per share to NT\$28.10 per share. On April 14, 2017, the Taiwan Stock Exchange Index closed at 9,732.93, and the closing value of our common shares was NT\$37.85 per share.

The TWSE is particularly volatile during times of political instability, including when relations between Taiwan and the PRC are strained. Several investment funds affiliated with the ROC government have also from time to time purchased securities from the TWSE to support the trading level of the TWSE. Moreover, the TWSE has experienced problems such as market manipulation, insider trading and settlement defaults. The recurrence of these or similar problems could have an adverse effect on the market price and liquidity of the securities of ROC companies, including our common shares and ADSs, in both the domestic and international markets.

Holders of common shares and ADSs may experience dilution if we issue stock bonuses and stock options to employees or sell additional equity or equity-linked securities.

Similar to other ROC technology companies, we issue bonuses from time to time in the form of common shares. Prior to 2009, bonuses issued in the form of our common shares were valued at par. Beginning in 2009, bonuses in the form of our common shares are valued at the closing price of our common shares on the day prior to our shareholders' meeting. In addition, under the ROC Company Law we may, upon approval from our board of directors and the ROC Securities and Futures Bureau of the FSC, establish employee stock option plans provided that shareholders' approval is required if the exercise price of an option would be less than the closing price of our common shares on the TWSE on the grant date of the option. ASE Inc. currently maintains three employee stock option plans pursuant to which our full-time employees, including our domestic and foreign subsidiaries, are eligible to receive stock option grants. As of December 31, 2016, 210,794,600 options granted by ASE Inc. were outstanding. Our board of directors and the FSC approved the 5<sup>th</sup> employee share option plans in December 2014 and April 2015, respectively, under which 94,270,000 options were granted in September 2015. See "Item 6. Directors, Senior Management and Employees—Compensation—ASE Inc. Employee Bonus and Stock Option Plans." The issuance of our common shares pursuant to stock bonuses or stock options may have a dilutive effect on the holders of outstanding common shares and ADSs.

In addition, the sale of additional equity or equity-linked securities may result in additional dilution to our shareholders. In September 2013, we issued 2018 Convertible Bonds to fund procurement of raw materials from overseas. The bonds are convertible by holders at any time on or after October 16, 2013 and up to (and including) August 26, 2018. As of December 31, 2016, none of the bonds has been converted into our common shares, and the balance of the outstanding bonds was US\$400.0 million. The initial conversion price was NT\$33.085 per common

share, subject to adjustment upon the occurrence of certain events, such as the Capital Increase and cash dividend distribution. As of the date of this annual report, the conversion price is NT\$28.96 per common share. Upon full conversion, the outstanding bonds will be converted into 413,756,906 common shares if based on the current conversion price, representing 5.2% of our outstanding shares at the end of December 31, 2016. Any conversion of bonds, in full or in part, would dilute the ownership interest of our existing shareholders and our earnings per share and could adversely affect the market price of our ADSs. Moreover, in September 2013, we issued 130,000,000 common shares for public subscription, which was effected by way of an increase in our authorized share capital in the amount of NT\$1,300.0 million. The issuance of the zero coupon convertible bonds due 2018 and the Capital Increase could cause dilution to our ADS holders.

Restrictions on the ability to deposit our common shares into our ADS facility may adversely affect the liquidity and price of our ADSs.

The ability to deposit common shares into our ADS facility is restricted by ROC law. A significant number of withdrawals of common shares underlying our ADSs would reduce the liquidity of the ADSs by reducing the number of ADSs outstanding. As a result, the prevailing market price of our ADSs may differ from the prevailing market price of our common shares on the TWSE. Under current ROC law, no person or entity, including you and us, may deposit our common shares in our ADS facility without specific approval of the FSC, unless:

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- (1) we pay stock dividends on our common shares;
- (2) we make a free distribution of common shares;
- (3) holders of ADSs exercise preemptive rights in the event of capital increases; or

(4) to the extent permitted under the deposit agreement and the relevant custody agreement, investors purchase our common shares, directly or through the depository, on the TWSE, and deliver our common shares to the custodian for deposit into our ADS facility, or our existing shareholders deliver our common shares to the custodian for deposit into our ADS facility.

With respect to item (4) above, the depository may issue ADSs against the deposit of those common shares only if the total number of ADSs outstanding following the deposit will not exceed the number of ADSs previously approved by the FSC, plus any ADSs issued pursuant to the events described in items (1), (2) and (3) above.

In addition, in the case of a deposit of our common shares requested under item (4) above, the depository will refuse to accept deposit of our common shares if such deposit is not permitted under any legal, regulatory or other restrictions notified by us to the depository from time to time, which restrictions may include blackout periods during which deposits may not be made, minimum and maximum amounts and frequency of deposits.

The depository will not offer holders of ADSs preemptive rights unless the distribution of both the rights and the underlying common shares to our ADS holders are either registered under the Securities Act or exempt from registration under the Securities Act.

Holders of ADSs will not have the same voting rights as our shareholders, which may affect the value of their ADSs.

The voting rights of a holder of ADSs as to our common shares represented by its ADSs are governed by the deposit agreement. Holders of ADSs will not be able to exercise voting rights on an individual basis. If holders representing at least 51% of the ADSs outstanding at the relevant record date instruct the depository to vote in the same manner regarding a resolution, including the election of directors, the depository will cause all common shares represented by the ADSs to be voted in that manner. If the depository does not receive timely instructions representing at least 51% of the ADSs outstanding at the relevant record date to vote in the same manner for any resolution, including the election of directors, holders of ADSs will be deemed to have instructed the depository or its nominee to authorize all our common shares represented by the ADSs to be voted at the discretion of our chairman or his designee, which may not be in the interest of holders of ADSs. Moreover, while shareholders who own 1% or more of our outstanding shares

are entitled to submit one proposal to be considered at our annual general meetings of shareholders, only holders representing at least 51% of our ADSs outstanding at the relevant record date are entitled to submit one proposal to be considered at our annual general meetings of shareholders. Hence, only one proposal may be submitted on behalf of all ADS holders.

The right of holders of ADSs to participate in our rights offerings is limited, which could cause dilution to your holdings.

We may from time to time distribute rights to our shareholders, including rights to acquire our securities. Under the deposit agreement, the depositary will not offer holders of ADSs those rights unless both the distribution of the rights and the underlying securities to all our ADS holders are either registered under the Securities Act or exempt from registration under the Securities Act. Although we may be eligible to take advantage of certain exemptions under the Securities Act available to certain foreign issuers for rights offerings, we can give no assurances that we will be able to establish an exemption from registration under the Securities Act, and we are under no obligation to file a registration statement for any of these rights. Accordingly, holders of ADSs may be unable to participate in our rights offerings and may experience dilution of their holdings.

If the depositary is unable to sell rights that are not exercised or not distributed or if the sale is not lawful or reasonably practicable, it will allow the rights to lapse, in which case holders of ADSs will receive no value for these rights.

For example, in March 2017, we granted rights to the record holders of our existing common shares to subscribe for an aggregate of 240,000,000 of our common shares (the “New Shares”), while the holders of ADSs were not given rights to subscribe for new ADSs and do not have the right to instruct the depositary to subscribe for the New Shares on their behalf. If a holder of ADSs wants the rights corresponding to the common shares underlying such ADSs to be exercised, such holder needs to surrender the ADSs to the depositary and instruct the depositary to deliver the underlying common shares to a securities brokerage account in Taiwan specified by such holder.

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Changes in exchange controls, which restrict your ability to convert proceeds received from your ownership of ADSs, may have an adverse effect on the value of your investment.

Under current ROC law, the depositary, without obtaining approvals from the Central Bank of the Republic of China (Taiwan) or any other governmental authority or agency of the ROC, may convert NT dollars into other currencies, including U.S. dollars, for:

the proceeds of the sale of common shares represented by ADSs or received as stock dividends from our common shares and deposited into the depositary receipt facility; and

any cash dividends or distributions received from our common shares.

In addition, the depositary may also convert into NT dollars incoming payments for purchases of common shares for deposit in the ADS facility against the creation of additional ADSs. The depositary may be required to obtain foreign exchange approval from the Central Bank of the Republic of China (Taiwan) on a payment-by-payment basis for conversion from NT dollars into foreign currencies of the proceeds from the sale of subscription rights for new common shares. Although it is expected that the Central Bank of the Republic of China (Taiwan) will grant this approval as a routine matter, we cannot assure you that in the future any approval will be obtained in a timely manner, or at all.

Under the ROC Foreign Exchange Control Law, the Executive Yuan of the ROC government may, without prior notice but subject to subsequent legislative approval, impose foreign exchange controls in the event of, among other things, a material change in international economic conditions. We cannot assure you that foreign exchange controls or other restrictions will not be introduced in the future.

The value of your investment may be reduced by possible future sales of common shares or ADSs by us or our shareholders.

While we are not aware of any plans by any major shareholders to dispose of significant numbers of common shares, we cannot assure you that one or more existing shareholders or owners of securities convertible or exchangeable into or exercisable for our common shares or ADSs will not dispose of significant numbers of common shares or ADSs. In addition, several of our subsidiaries and affiliates hold common shares, depositary shares representing common shares and options to purchase common shares or ADSs. They may decide to sell those securities in the future. See “Item 7. Major Shareholders and Related Party Transactions—Major Shareholders” for a description of our significant shareholders and affiliates that hold our common shares.



We cannot predict the effect, if any, that future sales of common shares or ADSs, or the availability of common shares or ADSs for future sale, will have on the market price of our common shares or the ADSs prevailing from time to time. Sales of substantial numbers of common shares or ADSs in the public market, or the perception that such sales may occur, could depress the prevailing market prices of our common shares or the ADSs.

#### Item 4. Information on the Company

##### HISTORY AND DEVELOPMENT OF THE COMPANY

Advanced Semiconductor Engineering, Inc. was incorporated on March 23, 1984 as a company limited by shares under the ROC Company Law, with facilities in the Nantze Export Processing Zone located in Kaohsiung, Taiwan. Our principal executive offices are located at 26 Chin Third Road, Nantze Export Processing Zone, Nantze, Kaohsiung, Taiwan, ROC and our telephone number at the above address is (886) 7-361-7131. Our common shares have been listed on the TWSE under the symbol “2311” since July 1989, and ADSs representing our common shares have been listed on the NYSE under the symbol “ASX” since September 2000.

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**Acquisition of Common Shares and American Depositary Shares of SPIL**

In August 2015, we announced an offer to purchase 779,000,000 common shares (including those represented by American depositary shares) of SPIL through concurrent tender offers in the ROC and the U.S., at a price of NT\$45 per SPIL common share and NT\$225 per SPIL American depositary share. The Initial SPIL Tender Offer expired on September 22, 2015, with 1,147,898,165 common shares (including those represented by American depositary shares) validly tendered and not validly withdrawn, exceeding the offer cap, and as a result, after proration, 725,749,060 SPIL common shares and 10,650,188 SPIL American depositary shares were accepted for purchase. On October 1, 2015, we became a shareholder holding approximately 24.99% of the issued and outstanding share capital in SPIL.

In December 2015, following an announcement by SPIL that it plans to issue 1,033 million shares, if approved by SPIL shareholders, to a third party pursuant to a share placement agreement, we submitted a written proposal to SPIL's Board proposing to acquire all SPIL shares not otherwise owned by ASE, contingent upon the termination of the share placement agreement. The board of directors of SPIL did not respond to our acquisition proposal. Subsequently, we launched an offer to purchase 770,000,000 common shares (including those represented by American depositary shares) of SPIL through concurrent tender offers in the ROC and the U.S., at a price of NT\$55 per SPIL common share and NT\$275 per SPIL American depositary share. The Second SPIL Tender Offer expired on March 17, 2016. Because the TFTC did not render a decision before the expiration of the Second SPIL Tender Offer, resulting in the failure to satisfy one of the tender offer conditions, the Second SPIL Tender Offer was not successful. The TFTC subsequently suspended its review on March 23, 2016.

Notwithstanding the failure of the Second SPIL Tender Offer, we continued to seek control of SPIL, with the purpose of effecting an acquisition of 100% of the common shares and American depositary shares of SPIL. Simultaneously with the acquisition of SPIL, we planned to establish a holding company in Taiwan that would hold 100% of the equity interests of both ASE and SPIL such that ASE and SPIL would be wholly owned subsidiaries of such holding company, which would maintain all current operations of ASE and SPIL in Taiwan.

In March and April 2016, we acquired an additional 258,300,000 common shares of SPIL (including those represented by American depositary shares) through open market purchases.

In June 2016, we entered into the Joint Share Exchange Agreement with SPIL, pursuant to which a holding company, ASE Holding will be formed by means of a statutory share exchange pursuant to the laws of the Republic of China, and ASE Holding will (i) acquire all issued shares of ASE in exchange for shares of ASE Holding, and (ii) acquire all issued shares of SPIL using cash consideration (the "Share Exchange"). Upon the consummation of the Share Exchange, ASE and SPIL will become privately held and wholly owned subsidiaries of ASE Holding concurrently. Subject to the Share Exchange, the Joint Share Exchange Agreement and the other transactions contemplated thereby being approved by shareholders of ASE and SPIL, and upon the satisfaction of the other conditions for completing the Share

Exchange, ASE Holding will be formed. The common shares of ASE will be delisted from the TWSE and the ADSs will be delisted from NYSE and will become eligible for deregistration under the Exchange Act. The common shares of ASE Holding will be listed on the TWSE and begin trading in Taiwan during TWSE trading hours on the effective date of the Share Exchange (the “Effective Date”), and the ADSs of ASE Holding will be listed on the NYSE and begin trading in the U.S. during NYSE trading hours on the Effective Date.

Since the description of the attributes of common shares in the share capital provisions of the Articles of Incorporation of ASE and ASE Holding will be substantially similar, there are no material differences between the rights of holders of the common shares of ASE and ASE Holding from a legal perspective. However, the common shares and ADSs of ASE will be suspended from trading on the TWSE and NYSE, respectively, starting from the eighth ROC Trading Day before the Effective Date. The holders of the common shares and ADSs of ASE will not be able to trade those shares or ADSs, or the common shares and ADSs of ASE Holding they will be entitled to receive from the date of such suspension to the Effective Date. Accordingly, these holders will be subject to the risk of not being able to liquidate their shares during this trading gap period.

As of March 31, 2017, SPIL had an aggregate of 3,116,361,139 common shares, including 187,275,560 common shares represented by American depositary shares, issued and outstanding, and we beneficially owned 988,847,740 common shares and 9,690,452 American depositary shares of SPIL. There were no public takeover offers by third parties of ASE’s shares which occurred in 2016.

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### **USI Group Restructuring**

In April 2015, our subsidiary Universal Scientific completed a spin-off of its subsidiaries to USI Inc. As a result of such spin-off, as of April 1, 2015, ASE Inc. held approximately 99.01% of Universal Scientific and approximately 99.17% of USI Inc.

Universal Scientific, USI Inc. and USI Inc.'s directly and indirectly held subsidiaries (collectively, the "USI Group") primarily engage in electronic manufacturing services in relation to computers, consumer electronics, communications, industrial and automotive, among other services and businesses. As part of our corporate reorganization to align each business function to different legal entity groups, the board of directors of ASE Inc. passed a resolution on September 24, 2015 and approved the sale of all ASE Inc.'s shareholding in Universal Scientific to UGTW, an indirectly held subsidiary of USI Inc., which will result in USI Inc. indirectly holding Universal Scientific (the "Universal Scientific Share Transfer"). The Universal Scientific Share Transfer was approved by the Investment Commission of MOEA on February 3, 2016. The majority of ASE Inc.'s shares in Universal Scientific were transferred to UGTW in March 2016, and the remaining shares were transferred in May 2016.

### **Capital Expenditures**

Our principal capital expenditures for the years ended December 31, 2014, 2015 and 2016 have been for machinery and equipment procurements and investments in buildings and improvement in connection with the expansion of our capacity expansion, for which we spent NT\$43,448.6 million, NT\$28,280.8 million and NT\$27,680.9 million (US\$854.3 million), respectively. We had commitments for capital expenditures of approximately US\$204.7 million, of which US\$20.6 million had been paid as of December 31, 2016, mainly in connection with the expansion of our packaging and testing services operations primarily in the ROC and the PRC. Any future expansion of our operating activities could result in additional capital expenditures. We anticipate our capital expenditures in 2017 will be financed through our existing cash, marketable securities, expected cash flow from operations and existing credit lines under our loan facilities and will consist of, among other things, additional machinery and equipment procurements for our capacity expansions. See "Item 5. Operating and Financial Review and Prospects—Liquidity and Capital Resources" for more information. Other than the acquisition of common shares and American depositary shares of SPIL by way of the Initial SPIL Tender Offer, the Share Exchange and through open market purchases, there were no significant financial investments or divestitures in 2014, 2015 and 2016. See "Item 4. Information on the Company—History and Development of the Company—Acquisition of Common Shares and American Depositary Shares of SPIL" for information.

For more information on our history and development, see "—Organizational Structure."

## BUSINESS OVERVIEW

ASE is among the world's leading companies in semiconductor packaging and testing sector. Our services include semiconductor packaging, production of interconnect materials, front-end engineering testing, wafer probing and final testing services, as well as integrated solutions for electronic manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications. We believe that, as a result of the following strengths, we are able to compete effectively to meet customers' requirements across a wide range of end-use applications:

- our ability to provide a broad range of cost-effective semiconductor packaging and testing services on a large-scale turnkey basis within key centers of semiconductor manufacturing;

- our expertise in developing and providing cost-effective packaging, interconnect materials and testing technologies and solutions;

- our ability to provide proactive original design manufacturing services using innovative solution-based designs;

- our commitment to investing in capacity expansion and research and development, as well as selective acquisitions, that will benefit customers and our business;

- our geographic presence in key centers of outsourced semiconductor and electronics manufacturing; and

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our long-term relationships with providers of complementary semiconductor manufacturing services, including our strategic alliance with TSMC, one of the world's largest dedicated semiconductor foundries.

We believe that it is still the trend for semiconductor companies to outsource their packaging, testing and manufacturing requirements as semiconductor companies rely on independent providers of foundry, packaging and testing and electronic manufacturing services. In response to the increased pace of new product development and shortened product life and production cycles, semiconductor companies are increasingly seeking both independent packaging and testing companies that can provide turnkey services in order to reduce time-to-market and electronic manufacturing companies with proactive original design capabilities that can provide large-scale production. We believe that our technological expertise and scale and our ability to integrate our broad range of solutions into turnkey services and electronic manufacturing services allow us to benefit from the accelerated outsourcing trend and better serve our existing and potential customers.

We believe that we have benefited, and will continue to benefit, from our geographic location in Taiwan. Taiwan is currently the largest center for outsourced semiconductor manufacturing in the world and has a high concentration of electronic manufacturing service providers. Our close proximity to foundries and other providers of complementary semiconductor manufacturing services is attractive to our customers who wish to take advantage of the efficiencies of a total semiconductor manufacturing solution by outsourcing several stages of their manufacturing requirements. We believe that, as a result, we are well positioned to meet the advanced semiconductor engineering and manufacturing requirements of our customers.

## Industry Background

### General

Semiconductors are the basic building blocks used to create an increasing variety of electronic products and systems. Continuous improvements in semiconductor process and design technologies have led to smaller, more complex and more reliable semiconductors at a lower cost per function. These improvements have resulted in significant performance and price benefits to manufacturers of electronic products. As a result, semiconductor demand has grown substantially in our primary end-user markets for communications, computing and consumer electronics, and has experienced increased growth in other markets such as automotive products and industrial automation and control systems.

The semiconductor industry is characterized by strong long-term growth, with periodic and sometimes severe cyclical downturns. The Semiconductor Industry Association reported that worldwide sales of semiconductors increased from approximately US\$51.0 billion in 1990 to approximately US\$338.9 billion in 2016. We believe that overall growth

and cyclical fluctuations will continue over the long-term in the semiconductor industry.

### Electronic Manufacturing Services

Electronic manufacturing service providers typically achieve large economies of scale in manufacturing by pooling together product design techniques and also provide value-added services such as warranties and repairs. Companies who do not need to manufacture a constant supply of products have increasingly outsourced their manufacturing to these service providers so that they can respond quickly and efficiently to sudden spikes in demand without having to maintain large inventories of products.

Electronic manufacturing services are sought by companies in a wide range of industries including, among others, information, communications, consumer electronics, automotive electronics, medical treatment, industrial applications, aviation, navigation, national defense and transportation. Although affected by global economic fluctuations, we expect the electronic manufacturing services industry to continue to grow in the long-term, and we have enhanced our presence in the industry since 2010 through our acquisition of a controlling interest in Universal Scientific.

### Outsourcing Trends in Semiconductor Manufacturing

Historically, semiconductor companies designed, manufactured, packaged and tested semiconductors primarily within their own facilities. However, there is a clear trend in the industry to outsource the manufacturing process. Virtually every significant stage of the manufacturing process can be outsourced. Wafer foundry services, semiconductor packaging and testing services, and electronic manufacturing services are currently the largest segments of the independent semiconductor manufacturing services market.

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The availability of technologically advanced independent manufacturing services has also enabled the growth of “fabless” semiconductor companies that focus on semiconductor design and marketing, while outsourcing their wafer fabrication, packaging and testing requirements to independent companies. We believe that the growth in the number and scale of fabless semiconductor companies that rely solely on independent companies to meet their manufacturing requirements will continue to be a driver of growth for us. Similarly, the availability of technologically advanced independent manufacturing services has encouraged integrated device manufacturers, which traditionally have relied on in-house semiconductor manufacturing capacity, to increasingly outsource their manufacturing requirements to independent semiconductor manufacturing companies.

We believe the outsourcing of semiconductor manufacturing services will increase in the future for many reasons, including the following:

*Technological Expertise and Significant Capital Expenditure.* Semiconductor manufacturing processes have become highly complex, requiring substantial investment in specialized equipment and facilities and sophisticated engineering and manufacturing expertise. In addition, product life cycles have been shortening, magnifying the need to continuously upgrade or replace manufacturing equipment to accommodate new products. As a result, new investments in in-house facilities are becoming less desirable to integrated device manufacturers because of the high investment costs as well as the inability to achieve sufficient economies of scale and utilization rates necessary to be competitive with the independent service providers. Independent packaging, testing, wafer foundry and electronic manufacturing services companies, on the other hand, are able to realize the benefits of specialization and achieve economies of scale by providing services to a large base of customers across a wide range of products. This enables them to reduce costs and shorten production cycles through high capacity utilization and process expertise. In the process, they are also able to focus on discrete stages of semiconductor manufacturing and deliver services of superior quality.

Some semiconductor companies with in-house operations are under increasing pressure to rationalize these operations by relocating to locations with lower costs or better infrastructure, in order to lower manufacturing costs and shorten production cycle time. We expect semiconductor companies to increasingly outsource their requirements to take advantage of the advanced technology and scale of operations of independent packaging and testing companies and electronic manufacturing services providers.

*Focus on Core Competencies.* As the semiconductor industry becomes more competitive, semiconductor companies are expected to further outsource their semiconductor manufacturing requirements in order to focus their resources on core competencies, such as semiconductor design and marketing.

*Time-to-Market Pressure.* The increasingly short product life cycle has accelerated time-to-market pressure for semiconductor companies, leading them to rely increasingly on outsourced suppliers as a key source for effective manufacturing solutions.



*Capitalize on the High Growth Rates in Emerging Markets.* Emerging markets, and China in particular, have become both major manufacturing centers for the technology industry and growing markets for technology-based products. Thus, in order to gain direct access to the Chinese market, many semiconductor companies are seeking to establish manufacturing facilities in China by partnering with local subcontractors. As a result, certain stages of the semiconductor manufacturing process that were previously handled in-house will be increasingly outsourced in order to improve efficiency.

***Trends of Mergers and Acquisitions in the Semiconductor Industry***

The global semiconductor industry is highly competitive, and such competitive landscape is changing as a result of a trend toward consolidation within the industry. In particular, packaging and testing service providers in the semiconductor industry have engaged in cross-border mergers and acquisitions in recent years as part of their expansion strategy, which has gradually changed the ecosystem of the semiconductor industry. Examples of mergers and acquisitions in recent years include mergers and acquisitions by and among semiconductor design companies or integrated device manufacturers, including Intel Corporation's acquisition of Altera Corporation, ON Semiconductor Corporation's acquisition of Fairchild Semiconductor International, Inc., NXP Semiconductors N.V.'s acquisition of Freescale Semiconductor, Inc., Avago Technologies Ltd.'s acquisition of Broadcom Corporation and several acquisitions of semiconductor design companies by MediaTek, Inc., and mergers and acquisitions by and among semiconductor packaging and testing companies, including Jiangsu Changjiang Electronics Technology Co., Ltd.'s acquisition of STATS ChipPAC Ltd., Nantong Fujitsu Microelectronics Co., Ltd.'s acquisition of the packaging and testing factory of Advanced Micro Devices, Inc. and Amkor Technology, Inc.'s acquisition of J-Devices Corporation.

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As a result of the aforementioned mergers and acquisitions, our competitors were able to further strengthen their competitive position by expanding their product offerings and combining their financial resources. We expect this consolidation trend to continue in 2017.

Overview of Semiconductor Manufacturing Process

The manufacturing of semiconductors is a complex process that requires increasingly sophisticated engineering and manufacturing expertise. The manufacturing process can be generally divided into the following stages:

We are involved in all stages of the semiconductor manufacturing process except circuit design and wafer fabrication.

<b>Process</b>	<b>Description</b>
1. Circuit Design	The design of a semiconductor is developed by laying out circuit components and interconnections.
2. Engineering Test	Throughout and following the design process, prototype semiconductors undergo engineering testing, which involves software development, electrical design validation and reliability and failure analysis.
3. Wafer Fabrication	Process begins with the generation of a photomask through the definition of the circuit design pattern on a photographic negative, known as a mask, by an electron beam or laser beam writer. These circuit patterns are transferred to the wafers using various advanced processes.

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**Process Description**

4. Wafer Probe Each individual die is electrically tested, or probed, for defects. Dies that fail this test are marked to be discarded.

5. Packaging (or Assembly) Packaging, also called assembly, is the processing of bare semiconductors into finished semiconductors and serves to protect the die and facilitate electrical connections and heat dissipation. The patterned silicon wafers received from our customers are diced by means of diamond saws into separate dies, also called chips. Basically each die is attached to a leadframe or a laminate (plastic or tape) substrate by epoxy resin. A leadframe is a miniature sheet of metal, generally made of copper and silver alloys, on which the pattern of input/output leads has been cut. On a laminate substrate, typically used in ball grid array, or BGA, packages, the leads take the shape of small bumps or balls. Leads on the leadframe or the substrate are connected by extremely fine gold or copper wires or bumps to the input/output terminals on the chips, through the use of automated machines known as “bonders.” Each chip is then encapsulated, generally in a plastic casing molded from a molding compound, with only the leads protruding from the finished casing, either from the edges of the package as in the case of the leadframe-based packages, or in the form of small bumps on a surface of the package as in the case of BGA or other substrate-based packages.

6. Final Test Final testing is conducted to ensure that the packaged semiconductor meets performance specifications. Final testing involves using sophisticated testing equipment known as testers and customized software to electrically test a number of attributes of packaged semiconductors, including functionality, speed, predicted endurance and power consumption. The final testing of semiconductors is categorized by the functions of the semiconductors tested into logic/mixed-signal/RF/3D IC/discrete final testing and memory final testing. Memory final testing typically requires simpler test software but longer testing time per device tested.

7. Module, Board Assembly and Test Module, board assembly and test refers to the combination of one or more packaged semiconductors with other components in an integrated module or board to enable increased functionality.

8. Material Material refers to the interconnection of materials which connect the input/output on the semiconductor dies to the printed circuit board, such as substrate, leadframe and flip-chip.

Strategy

Our objective is to provide integrated solutions that set industry standards, including packaging, testing services, interconnect materials design and production capabilities, and to lead and facilitate the industry trend toward outsourcing semiconductor manufacturing requirements. The principal elements of our strategy are to:

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### Grow Our Packaging Services and Expand Our Range of Offerings

We believe that an important factor to attract leading semiconductor companies as our customers has been our ability to fulfill demand for a broad range of packaging solutions on a large scale. We intend to continue to develop process and product technologies to meet the packaging requirements of clients. Our expertise in packaging technology has enabled us to develop sophisticated solutions such as flip-chip packaging, bump chip carrier packaging, stacked die packaging and fine-pitch wire bonding. We are continuously investing in research and development in response to and in anticipation of migrations in technology and intend to continue to acquire access to new technologies through strategic alliances and licensing arrangements.

The increasing miniaturization of semiconductors and the growing complexity of interconnect technology have also resulted in the convergence of assembly processes at different levels of integration: chip, module, board and system. In response to this miniaturization and growing complexity, we have focused on providing module assembly services and, in addition, our subsidiary Universal Scientific has provided us with access to process and product technologies at the levels of module, board and system assembly and testing, which helps us to better anticipate industry trends and take advantage of potential growth opportunities. We expect to continue to combine our packaging, testing and materials technologies with the expertise of Universal Scientific at the systems level to develop our SiP business.

### Strategically Expand and Streamline Production Capacity

To capitalize on the growing demand for packaging and testing services, we intend to strategically expand our production capacity, both through internal growth and selective acquisitions and joint ventures, with a focus on providing cost competitive and innovative packaging and testing services.

We intend to invest in trends that are essential to the development of the industry. We plan to expand our capacity with respect to, but not limited to, 12-inch wafer process, bumping, FC-CSP and SiP products to meet demand for smaller form factors, higher performance and higher packaging density.

In addition, we intend to promote our copper wire solutions to our customers in addition to gold wire. Gold wire is a significant raw material for us. Gold prices, however, are subject to intense fluctuations and have in the past impacted our profitability. We believe that replacing gold wire in some of our packages with copper wire technology will not only improve our profitability but will also enable us to provide more value to our customers by providing lower cost solutions, which could enhance our competitiveness and market share. We are currently the industry leader in terms of copper wire capacity. We thus plan to capitalize on the overall industry trend of copper conversion by maintaining our leadership and focusing on integrating copper wire into a wider range of traditional leadframe-based packages and

higher end substrate-based packages.

We expect to focus our packaging and testing on providing cost competitive services through better management of capacity utilization and efficiency improvements and offer our services on a large scale with the intention of driving more integrated device manufacturer outsourcing in the long-run.

We evaluate acquisition and joint venture opportunities on the basis of access to new markets and technology, the enhancement of our production capacity, improvement of research and development capabilities, economies of scale and management resources, and closer proximity to existing and potential customers. For example, we acquired controlling interests in Universal Scientific in 2010 to broaden our offerings to include integrated solutions for electronic manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications. In addition, in May 2015, we entered into a joint venture agreement with TDK Corporation to invest in ASEEE to further expand our business in embedded substrates. We acquired 779,000,000 common shares (including common shares represented by American depositary shares) of SPIL through the Initial SPIL Tender Offer in September 2015 and additional 258,300,000 common shares of SPIL (including those represented by American depositary shares) in March and April 2016 through open market purchases. We entered into the Joint Share Exchange Agreement with SPIL in June 2016, and upon the consummation of the Share Exchange, which is subject to shareholders' approval of both companies and the satisfaction of other conditions, ASE and SPIL will become wholly owned subsidiaries of ASE Holding concurrently.

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Continue to Leverage Our Presence in Key Centers of Semiconductor and Electronics Manufacturing

We intend to continue leveraging our presence in key centers of semiconductor and electronics manufacturing to further grow our business. We have significant packaging, testing and electronic manufacturing services operations in Taiwan, currently one of the leading centers for outsourced semiconductor and electronics manufacturing in the world. This presence enables our engineers to work closely with our customers as well as wafer foundries and other providers of complementary semiconductor and electronic manufacturing services early in the design process, enhances our responsiveness to the requirements of our customers and shortens production cycles. In addition, as a turnkey service provider, we are able to offer our products to our customers and complementary service providers within relatively close geographic proximity. Besides our current operations in Taiwan, we intend to expand our operations in our other subsidiaries.

We have primary operations in the following locations besides our locations in Taiwan:

- PRC — a fast-growing market for semiconductor and electronics manufacturing in the world;
- Korea — an important center for the manufacturing of memory and communications devices;
- Malaysia and Singapore — a center for outsourced semiconductor manufacturing in Southeast Asia;

· Silicon Valley in California — the preeminent center for semiconductor design, with a concentration of fabless customers; and

· Japan — an emerging market for packaging and testing outsourcing services as Japanese integrated device manufacturers increasingly outsource their semiconductor manufacturing requirements.

Strengthen and Develop Strategic Relationships with Our Customers and Providers of Complementary Semiconductor Manufacturing Services

We intend to strengthen existing and develop new strategic relationships with our customers and providers of other complementary semiconductor manufacturing services, such as wafer foundries, as well as equipment vendors, raw material suppliers and technology research institutes, in order to offer our customers total semiconductor manufacturing solutions covering all stages of the manufacturing of their products from design to shipment. In addition, we are working with our customers to co-develop new packaging technologies and designs.

Since 1997, we have maintained a strategic alliance with TSMC, currently one of the world's largest dedicated semiconductor foundries, which designates us as their non-exclusive preferred provider of packaging and testing services for semiconductors manufactured by TSMC. Through our strategic alliance with and close geographic proximity to TSMC, we are able to offer our customers a total semiconductor manufacturing solution that includes access to foundry services in addition to our packaging, testing and direct shipment services.

#### Principal Products and Services

We offer a broad range of semiconductor packaging and testing services. In addition, we have provided electronic manufacturing services since our acquisition of a controlling interest in Universal Scientific in February 2010. Our package types generally employ either leadframes or substrates as interconnect materials. The semiconductors we package are used in a wide range of end-use applications, including communications, computing, consumer electronics, industrial, automotive and other applications. Our testing services include front-end engineering testing, which is performed during and following the initial circuit design stage of the semiconductor manufacturing process, wafer probe, final testing and other related semiconductor testing services. We focus on packaging and testing semiconductors. We offer our customers turnkey services, which consist of packaging, testing and direct shipment of semiconductors to end users designated by our customers. Our electronic manufacturing services are used in a wide range of end-use applications, including, but not limited to, computers, peripherals, communications, industrial applications, automotive electronics, and storage and server applications. In 2016, our revenues generated from packaging, testing and electronic manufacturing services accounted for 45.6%, 9.8% and 42.0% of our operating revenues, respectively.

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### Packaging Services

We offer a broad range of package types to meet the requirements of our customers, including flip-chip BGA, flip-chip CSP, aCSP (advanced chip scale packages), quad flat packages (QFP), thin quad flat packages (TQFP), bump chip carrier (BCC), quad flat no-lead (QFN) packages, aQFN (advanced QFN) and Plastic BGA. In addition, we provide 3D chip packages, such as MAP POP (package on package) and aMAP POP (advanced, laser ablation type), which enable our customers to mount packages more easily. We also offer other forms of stacked die solutions in different package types, e.g., stacked die QFN, hybrid BGAs containing stacked wire bond and FC die. Meanwhile, we are developing the cost-effective solutions to 3D packages, such 2.1D (substrate layer modification) and 2.5D (substrate interposer) to fulfill current low cost and high performance requirement in parallel with 3D packages with TSV (Through Silicon Via) technology. Our first product has been a CMOS image sensor with TSV to minimize the form factor. In addition, to meet current trends toward low cost solutions, we provide copper wire bonding solutions which can be applied to current gold wire products. Furthermore, we also provide high volume manufacturing experience with silver wire bonding for FCCSP Hybrid packages. We believe we are among the leaders in such packaging processes and technologies and are well positioned to lead the technology migration in the semiconductor packaging industry.

We have also been engaging in the production of module-based solutions, including Wi-Fi modules and RF modules, for a number of years. We provide customized module services with SiP solutions to meet customer needs and complex marketing requirements.

**Advanced Packages.** The semiconductor packaging industry has evolved to meet the requirements of high-performance electronics products. We believe that there will continue to be growing demand for packaging solutions with increased input/output density, smaller size and better heat dissipation characteristic.

We have focused on developing our capabilities in certain packaging solutions, such as aCSP (wafer-level chip scale package), flip-chip BGA, Heat-Spreader FCBGA, flip-chip CSP, Hybrid FCCSP (Flip-Chip + W/B), Flip-Chip PiP (Package in Package), Flip-Chip PoP (Package on Package), aS 3™ (Advanced Single Sided Substrate), HB POP (High-Bandwidth POP), Fan-Out Wafer Level Packaging, SESUB and 2.5D. Flip-chip BGA technology replaces wire bonding with wafer bumping for interconnections within the package. Wafer bumping involves the placing of tiny solder balls, instead of wires, on top of dies for connection to substrates. As compared with more traditional packages, which allow input/output connection only on the boundaries of the dies, flip-chip or wafer-level package solutions significantly enhance the input/output flow by allowing input/output connections over the entire surface of the dies.

Chip scale packages typically have an area no greater than 120% of the silicon die. For wafer level package, the electrical connections are plated or printed directly onto the wafer itself, resulting in a package very close to the size of the silicon die. Wafer-level packages do not include an interposer so they are unlike substrate-based packages,



where the die is usually mounted on an interposer which contains electrical connections in the form of small bumps or balls.

aEASI (Advance Embedded Assembly Substrate Integration) is a technology which allows the embedding thin chips into substrate build-up layers. aEASI can be used in various technologies tailored to clients' demand, such as package solution of miniaturization, and has also been proven to have better electrical/thermal performance. It also provides flexibility in design (such as for MicroSiP) and the electrical contacts to the chips are realized by laser-drilled and metallized micro-vias to replace traditional wire bonding process. aEASI are mainly used in power management applications.

WL MEMs (Wafer-Level MEMs) is advanced assembly for MEMs in wafer-level type instead of current LGA or leadframe types and to use TSV or chip to wafer technology. WL MEMs are mainly used in applications such as pressure, temperature, humidity and gyroscope sensors, among others.

FOWLP (Fan-Out Wafer-Level Packages) provides an extended solution and package type to integrate different functional chips or packages and to have good reduction in resistance and inductance over FCCSP, better thermal performance and smaller form factors of packages. FOWLP can be applied for different stack and SiP solutions.

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We provide numerous technologies to meet various customer demands. The following table sets forth our principal advanced packages.

<b>Package Types</b>	<b>Number of Leads</b>	<b>Description</b>	<b>End-Use Applications</b>
Wafer Level Chip Scale Package (aCSP)	6-120	A wafer level chip scale package that can be directly attached to the circuit board. Provides shortest electrical path from the die pad to the circuit board, thereby enhancing electrical performance.	Cellular phones, personal digital assistants, watches, MP3 players, digital cameras and camcorders.
Flip-Chip Chip Scale Package (FC-CSP, a-fcCSP)	16-750	A lightweight package with a small, thin profile that provides better protection for chips and better solder joint reliability than other comparable package types.	RFICs and memory ICs such as digital cameras, DVDs, devices that utilize WiMAX technology, cellular phones, GPS devices and personal computer peripherals.
Flip-Chip PiP (Package in Package) (FC-CSP PiP)	500-980	System In Package for Flip-Chip+Memory die inside with a better electrical performance package types.	Application processor for smartphone, data modern on portable devices.
Flip-Chip PoP (Package on Package) (FC-CSP PoP)	500-1100	SOC (System On Chip) die for Assembly to Bottom package and then applied for Memory die on top inside with a better electrical performance package types.	High-tier application processor for smartphone, data modern on portable devices.
Flip-Chip BGA/ HF FCBGA(High Performance / Heat Spreader / FCBGA)	16-2916	Using advanced interconnect technology, the flip-chip BGA packages allow higher density of input/output connection over the entire surface of the dies. HF FCBGA is designed for semiconductor high-performance requirement of high density of interconnects.	High-performance networking, graphics and server and data center processor applications.
Hybrid (Flip-Chip and Wire Bonding)	49-608	A package technology that stacks a die on top of a probed good die to integrate ASIC and memory (flash, SRAM and DDR) into one package and interconnects them with wire bonding and molding. This technology suffers from known good die issues (i.e., one bad die will ruin the entire module). Rework is also not an option in hybrid packages.	Digital cameras, smartphones, bluetooth applications and personal digital assistants.
aS3	up to 300	Ultra-thin profile package which is excellent on middle pin count alternative solution; standard BT material and manufacturing equipment; and lower cost via on pad.	High I/O and short wire length package solution in high performance requirement.

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Package Types	Number of Leads	Description	End-Use Applications
Integrated Passive Device (IPD)	~ 20	IPD can provide high performance/high Q-factor inductor and single/double layers for lower cost and turnkey solutions and integrate passives into one IPD chip. IPD requires less involvement in the Surface Mount Technology (“SMT”) process, and is considered to be more compatible with current assembly process and suitable for all package solutions.	Cellular phones, Wi-Fi module, TV and personal digital assistants.
HB (High-Bandwidth)	~ 1000	High-Bandwidth POP can provide a data rate and good signal integrity for Cellular AP, a integration solution for ASIC and Memory, decoupling function for multiple memory mount applications.	Cellular phones and application processors.
POP (Package On Package)	~ 256L Memory		
FOWLP (Fan-out Wafer-Level Package)	~ 1,500+	FOWLP provides an extended solution/package type to integrate most different functional chips or packages and to have good reduction in resistance & inductance over FCCSP, better thermal performance and smaller form factors of packages, and can be applied for different stack or SiP solutions.	Cellular phones, logic devices, power management, RF, Codec, IoT, wearables and networking.

**IC Wirebonding.** We provide IC wirebonding, including leadframe-based packages and substrate-based packages. Leadframe-based packages are packaged by connecting the die, using wire bonders, to the leadframe with gold wire or copper wire. As packaging technology improves, the number of leads per package increases. In addition, improvements in leadframe-based packages have reduced the footprint of the package on the circuit board and improved the electrical performance of the package. To have higher interconnected density and better electrical performance, semiconductor packages have evolved from leadframe-based packages to substrate-based packages. The key differences of these package types are: the size of the package; the density of electrical connections the package can support; flexibility at lower costs; the thermal and electrical characteristics of the package; and environmentally conscious designs. Substrate-based packages generally employ the BGA design. Whereas traditional leadframe technology places the electrical connection around the perimeter of the package, the BGA package type places the electrical connection at the bottom of the package surface in the form of small bumps or balls. These small bumps or balls are typically distributed evenly across the bottom surface of the package, allowing greater distance between individual leads and higher pin-counts. Our expertise in BGA packages also includes capabilities in stacked-die BGA, which assembles multiple dies into a single package.

3D packaging has recently gained a lot of publicity because of the advent of TSV (Through Silicon Via) based chip stacking. Chip stacking has been implemented for many years, albeit without TSVs. Wire bond die is routinely stacked on leadframes as well as BGA substrates. A more recent implementation is the stacking of packages as package on package (PoP) and the more specialized package in package (PiP). ASE has advanced PoP by the invention of aMAPPoP which provides the package interconnects by exposing a molded in solder ball with a laser via. Aside from being cost effective due to block molding, this PoP also has much lower warpage, greatly improving the stacking yield.

The following table sets forth our principal IC wirebonding packages.

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<b>Package Types</b>	<b>Number of Leads</b>	<b>Description</b>	<b>End-Use Applications</b>
Advanced Quad Flat No-Lead Package (aQFN)	104-276	aQFN allows for leadless, multi-row and fine-pitch leadframe packaging and is characterized by enhanced thermal and electrical performance. aQFN is a cost-effective packaging solution due to its cost-effective materials and simpler packaging process.	Telecommunications products, wireless local access networks, personal digital assistants, digital cameras, low to medium lead count packaging information appliances.
Quad Flat Package (QFP)/Thin Quad Flat Package (TQFP)	44-256	Designed for advanced processors and controllers, application-specific integrated circuits and digital signal processors.	Multimedia applications, cellular phones, personal computers, automotive and industrial products, hard disk drives, communication boards such as ethernet, integrated services digital networks and notebook computers.
Quad Flat No-Lead Package (QFN)/Dual-Row QFN (DR-QFN)/Microchip Carrier (MCC)	12-160	QFN/DRQFN, also known as types of MCC, uses half-encapsulation technology to expose the rear side of the die pad and the tiny fingers, which are used to connect the chip and bonding wire with printed circuit boards. Dual-Row is to increase the lead counts for product requirement.	Cellular phones, wireless local access networks, personal digital assistant devices and digital cameras.
Bump Chip Carrier (BCC)	16-156	BCC packages use plating metal pads to connect with printed circuit boards, creating enhanced thermal and electrical performance.	Cellular phones, wireless local access networks, personal digital assistant devices and digital cameras.
Small Outline Plastic Package (SOP)/Thin Small Outline Plastic Package (TSOP)	8-56	Designed for memory devices including static random access memory, or SRAM, dynamic random access memory, or DRAM, fast static RAM, also called FSRAM, and flash memory devices.	Consumer audio/video and entertainment products, cordless telephones, pagers, fax machines, printers, copiers, personal computer peripherals, automotive parts, telecommunications products, recordable optical disks and hard disk drives.
Small Outline Plastic J-Bend Package (SOJ)	20-44	Designed for memory and low pin-count applications.	DRAM memory devices, microcontrollers, digital analog conversions and audio/video applications.
Plastic Leaded Chip Carrier (PLCC)	28-84	Designed for applications that do not require low-profile packages with high density of interconnects.	Personal computers, scanners, electronic games and monitors.
Plastic Dual In-line Package (PDIP)	8-64	Designed for consumer electronic products.	Telephones, televisions, audio/video applications and computer peripherals.

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Package Types	Number of Leads	Description	End-Use Applications
Plastic BGA	119-1520	Designed for semiconductors which require the enhanced performance provided by plastic BGA, including personal computer chipsets, graphic controllers and microprocessors, application-specific integrated circuits, digital signal processors and memory devices.	Telecommunications products, global positioning systems, notebook computers, disk drives and video cameras.
Stacked-Die BGA	120-1520	Combination of multiple dies in a single package enables package to have multiple functions within a small surface area.	Telecommunications products, local area networks, graphics processor applications, digital cameras and pagers.
Package-on-Package (POP, aMAP POP)	136-904	This technology places one package on top of another to integrate different functionalities while maintaining a compact size. It offers procurement flexibility, low cost of ownership, better total system cost and faster time to market. Designers typically use the topmost package for memory applications and the bottommost package for ASICs. By using this technology, the memory known good die issue can be mitigated and the development cycle time and cost can be reduced.	Cellular phones, personal digital assistants and system boards.
Land Grid Array (LGA)	10-72	Leadless package which is essentially a BGA package without the solder balls. Based on laminate substrate, land grid array packages allow flexible routing and are capable of multichip module functions.	High frequency integrated circuits such as wireless communications products, computers servers, personal computer peripherals and MEMS sensors.

**SiP and Modules.** We assemble SiP products, which involve the integration of more than one chip into the same package. As miniaturization requirements for electronic devices increase, smaller and lighter SiPs are garnering much attention within the industry. Wafer level integration-passive device technology has become increasingly important. Passive devices such as inductors, capacitors, resistors, filters and diplexers are those components occupying the largest area in printed circuit boards; therefore, miniaturization and integration is key to SiPs. This can be achieved through integrating passive components on an individual substrate using a thin film process known as MCM-D or IPD (Integrated Passive Device). The IPD can then be used as a package substrate or interposer for SiP. This manufacturing method will enhance product performance and also reduce overall costs. The extension of our current RDL (Redistribution) process can be used to build high quality factor (Q) inductor and RF circuits on top of CMOS (Complementary Metal–Oxide–Semiconductor) wafers. IPD is an enabling technology for SiP. It can be used in the following three approaches to enhance product performance: several solutions to replace discrete components such as Balun and Filter, or to integrate certain passive components and act as interposer, or to replace PWB and act as a substrate of the module. We have the ability to offer any of the packaging methodologies related to the above technologies. In addition, we also leverage some of our SMT-based technologies, such as compartment shielding, double sided module and antenna integration.

We also offer module assembly services, which combine one or more packaged semiconductors with other components in an integrated module to enable increased functionality, typically using automated SMT machines and other machinery and equipment for system-level assembly. End-use applications for modules include cellular phones, wireless LAN applications, Bluetooth applications, camera modules, automotive applications, toys, networking, storage, and power management.

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**Automotive Electronics.** We assemble automotive electronic products based on our leading technology, good quality systems and automation. We provide a variety of products, such as leadframe base, substrate base, Flip-Chip and Wafer-Level packages. We also provide robust package solutions to customers and end-users, including most types of industrial package solutions together with tailor-made solutions to meet customers' and end-users' requirements on automotive specifications.

Having accumulated production experience in using gold wire for automotive devices over several years, we collaborate with certain customers to develop and release copper wire for advanced wafer process (65nm for QFP and 40 nm for BGA) development that will fulfill criteria in AEC-G100 and in the early development of the 28 nm wafer process with hybrid packaging structure (FC bonding + wirebonding). In addition, we offer the FOWLP solution for radar products according to requests from some tier 1 customers.

**Interconnect Materials.** Interconnect materials connect the input/output on the semiconductor dies to the printed circuit board. Interconnect materials include substrate, which is a multi-layer miniature printed circuit board, and is an important element of the electrical characteristics and overall performance of semiconductors. We produce substrates for use in our packaging operations.

The demand for higher performance semiconductors in smaller packages will continue to spur the development of IC substrates that can support the advancement in circuit design and fabrication. As a result, we believe that the market for substrates will grow and the cost of substrates as a percentage of the total packaging process will increase. In the past, substrates we designed for our customers were produced by independent substrate manufacturers. Since 1997, we have been designing and producing a portion of our interconnect materials in-house. In 2016, our interconnect materials operations supplied approximately 29.7% of our consolidated substrate requirements by value.

The following table sets forth, for the periods indicated, the percentage of our packaging revenues accounted for by each principal type of packaging products or services.

	Year Ended December 31,		
	2014	2015	2016
Bumping, Flip Chip, WLP and SiP	25.0 %	27.1 %	28.6 %
IC Wirebonding <sup>(1)</sup>	64.4	61.9	61.4
Discrete and other	10.6	11.0	10.0
Total	100.0%	100.0%	100.0%



- (1) Includes leadframe-based packages such as QFP/TQFP, QFN/MCC and PLCC/PDIP and substrate-based packages, such as various BGA package types and LGA.

#### Testing Services

We provide a complete range of semiconductor testing services, including front-end engineering testing, wafer probing, final testing of logic/mixed-signal/RF/(2.5D/3D) module and SiP/ MEMS/Discrete and other test-related services.

The testing of semiconductors requires technical expertise and knowledge of the specific applications and functions of the semiconductors tested as well as the testing equipment utilized. We believe that our testing services employ technology and expertise which are among the most sophisticated in the semiconductor industry. In addition to maintaining different types of testing equipment, which enables us to test a variety of semiconductor functions, we work closely with our customers to design effective testing solutions on multiple equipment platforms for particular semiconductors.

In recent years, complex, high-performance logic/mixed-signal/RF/(2.5D/3D) module and SiP/MEMS semiconductors have accounted for an increasing portion of our testing revenues.

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**Front-End Engineering Testing.** We provide front-end engineering testing services, including customized software development, electrical design validation, and reliability and failure analysis.

**Customized Software Development.** Test engineers develop customized software to test the semiconductors using our equipment. Customized software, developed on specific test platforms, is required to test the conformity of each particular semiconductor type to its unique functionality and specification.

**Electrical Design Validation.** A prototype of the designed semiconductor is subjected to electrical tests using advanced test equipment and customized software. These tests assess whether the prototype semiconductor complies with a variety of different operating specifications, including functionality, frequency, voltage, current, timing and temperature range.

**Reliability Analysis.** Reliability analysis is designed to assess the long-term reliability of the semiconductor and its suitability of use for intended applications. Reliability testing can include “burn-in” services, which electrically stress a device, usually at high temperature and voltage, for a period of time long enough to cause the failure of marginal devices.

**Failure Analysis.** In the event that the prototype semiconductor does not function to specifications during either the electrical design validation or reliability testing processes, it is typically subjected to failure analysis to determine the cause of the failure to perform as anticipated. As part of this analysis, the prototype semiconductor may be subjected to a variety of analyses, including electron beam probing and electrical testing.

**Wafer Probing.** Wafer probing is the step immediately before the packaging of semiconductors and involves visual inspection and electrical testing of the processed wafer for defects to ensure that it meets our customers’ specifications. Wafer probing services require expertise and testing equipment similar to that used in final testing, and most of our testers can also be used for wafer probing.

**Logic/Mixed-signal/RF/(2.5D/3D) module and SiP/Discrete Final Testing.** We conduct final tests of a wide variety of logic/mixed-signal/RF/(2.5D/3D) module and SiP/ MEMS /discrete semiconductors, with the number of leads or bumps ranging from the single digits to over ten thousand and operating frequencies of over 12 Gbps for digital semiconductors and 12 GHz for radio frequency semiconductors, which are at the high end of the range for the industry. The products we test include semiconductors used for wired, wireless and mobile communications, home entertainment and personal computer applications, as well as a variety of consumer and application-specific integrated circuits for various specialized applications.

**Other Test-Related Services.** We provide a broad range of additional test-related services, such as:

***Electric Interface Board and Mechanical Test Tool Design.*** Process of designing individualized testing apparatuses such as test load boards, sockets, handler change kits, and probe cards for unique semiconductor devices and packages.

***Program Conversion.*** Process of converting a program from one test platform to different test platforms to reduce testing costs or optimize testing capacity.

***Program Efficiency Improvement.*** Process of optimizing the program code or increasing site count of parallel tests to improve testing throughout.

***Burn-in Testing.*** Burn-in testing is the process of electrically stressing a device, usually at high temperature and voltage, for a period of time to simulate the continuous use of the device to determine whether this use would cause the failure of marginal devices.

***Module and SiP Testing.*** We provide module and SiP testing through integrated bench solution or automatic test equipment to our customers with a complete solution with respect to finger print sensor module, camera module, wireless connectivity devices, global positioning system devices, personal navigation devices and digital video broadcasting devices.

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**Tape and Reel.** Process which involves transferring semiconductors from a tray or tube into a tape-like carrier for shipment to customers.

**Drop Shipment Services.** We offer drop shipment services for shipment of semiconductors directly to end users designated by our customers. Drop shipment services are provided mostly in conjunction with logic/mixed-signal/RF/3D IC/discrete testing. We provide drop shipment services to a significant percentage of our testing customers. A substantial portion of our customers at each of our facilities have qualified these facilities for drop shipment services. Since drop shipment eliminates the additional step of inspection by the customer before shipment to the end user, quality of service is a key consideration. We believe that our ability to successfully execute our full range of services, including drop shipment services, is an important factor in maintaining existing customers as well as attracting new customers.

The following table sets forth, for the periods indicated, the percentage of our testing revenues accounted for by each type of testing service.

	Year Ended December 31,					
	2014		2015		2016	
Testing Services:						
Front-end engineering testing	2.9	%	4.2	%	3.6	%
Wafer probing	20.5		20.1		19.7	
Final testing	76.6		75.7		76.7	
Total	100.0%		100.0%		100.0%	

**Electronic Manufacturing Services.** Since our acquisition of a controlling interest in Universal Scientific in February 2010, we also provide integrated solutions for electronic manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications. The key products and services we offer to our customers, for instance, include:

Computers: motherboards for server & desktop PC; peripheral; port replicator; network attached storage; and technical services;

Communications: Wi-Fi; SiP;

Consumer products: control boards for flat panel devices; SiP;

Automotive electronics: automotive electronic manufacturing services; car LED lighting; regulator/rectifier; and

Industrial products: point-of-sale systems; smart handheld devices.

### Seasonality

See “Item 5. Operating and Financial Review and Prospects—Operating Results and Trend Information—Quarterly Operating Revenues, Gross Profit and Gross Margin.”

### Sales and Marketing

#### Sales and Marketing Presence

We maintain sales and marketing offices in Taiwan, the United States, Belgium, Singapore, the PRC, Korea, Malaysia, Japan and a number of other countries. We also have sales representatives operating in certain other countries in which we do not have offices. Our sales and marketing offices in Taiwan are located in Hsinchu and Kaohsiung. We conduct marketing research through our customer service personnel and through our relationships with our customers and suppliers to keep abreast of market trends and developments. We also provide advice in the area of production process technology to our major customers planning the introduction of new products. In placing orders with us, our customers specify which of our facilities these orders will go to. Our customers conduct separate qualification and correlation processes for each of our facilities that they use. See “—Qualification and Correlation by Customers.”

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## Customers

Our five largest customers together accounted for approximately 40.3% , 48.2% and 42.0% of our operating revenues in 2014, 2015 and 2016, respectively. One customer accounted for more than 10.0% of our operating revenues in 2014, 2015 and 2016.

We package and test for our customers a wide range of products with end-use applications in the communications, computing, and consumer electronics/industrial/automotive sectors. The following table sets forth a breakdown of the percentage of our operating revenues generated from our packaging and testing services, for the periods indicated, by the principal end-use applications of the products that we packaged and tested.

	Year Ended December 31,		
	2014	2015	2016
Communications	53.3%	54.7%	52.2%
Computing	11.6	11.1	11.5
Consumer electronics/industrial/automotive/other	35.1	34.2	36.3
Total	100.0%	100.0%	100.0%

In addition, we have provided electronic manufacturing services since our acquisition of the controlling interest of Universal Scientific in February 2010. Our electronic manufacturing services provide a wide range of products with end-use applications. The following table sets forth a breakdown of the percentage of our operating revenues generated from our electronic manufacturing services for the periods indicated by the principal end-use applications.

	Year Ended December 31,		
	2014	2015	2016
Communications	55.6 %	53.2 %	50.6 %
Computing	18.0	14.3	16.9
Consumer electronics	8.9	18.7	18.4
Industrial	10.3	8.1	7.2
Automotive	6.3	4.9	6.0
Other	0.9	0.8	0.9
Total	100.0%	100.0%	100.0%

We categorize our operating revenues geographically based on the country in which the customer is headquartered. The following table sets forth, for the periods indicated, the percentage breakdown by geographic regions of our operating revenues.

	Year Ended December 31,		
	2014	2015	2016
United States	67.8 %	72.6 %	65.8 %
Taiwan	14.3	11.5	14.1
Asia	9.4	8.1	10.9
Europe	8.1	7.3	8.5
Other	0.4	0.5	0.7
Total	100.0%	100.0%	100.0%

#### Qualification and Correlation by Customers

Customers generally require that our facilities undergo a stringent qualification process during which the customer evaluates our operations and production processes, including engineering, delivery control and testing capabilities. The qualification process typically takes up to several weeks, but can take longer depending on the requirements of the customer. In the case of our testing operations, after we have been qualified by a customer and before the customer delivers semiconductors to us for testing in volume, a process known as correlation is undertaken. During the correlation process, the customer provides us with sample semiconductors to be tested and either provides us with the test program or requests that we develop a conversion program. In some cases, the customer also provides us with a data log of results of any testing of the semiconductors that the customer may have conducted previously. The correlation process typically takes up to two weeks, but can take longer depending on the requirements of the customer. We believe our ability to provide turnkey services reduces the amount of time spent by our customers in the qualification and correlation process. As a result, customers utilizing our turnkey services are able to achieve shorter production cycles.

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### Pricing

We price our packaging services and electronic manufacturing services, taking into account the actual costs, with reference to prevailing market prices. We price our testing services primarily on the basis of the amount of time, measured in central processing unit seconds, taken by the automated testing equipment to execute the test programs specific to the products being tested, as well as the cost of the equipment, with reference to prevailing market prices. Prices for our packaging, testing and electronic manufacturing services are confirmed at the time orders are received from customers, which is typically several weeks before delivery.

### Raw Materials and Suppliers

#### Packaging

The principal raw materials used in our packaging processes are interconnect materials such as leadframes and substrates, gold wire and molding compound. The silicon die, which is the functional unit of the semiconductor to be packaged, is supplied in the form of silicon wafers. Each silicon wafer contains a number of identical dies. We receive the wafers from the customers or the foundries on a consignment basis. Consequently, we generally do not incur inventory costs relating to the silicon wafers used in our packaging process.

We do not maintain large inventories of leadframes, substrates, gold wire or molding compound, but generally maintain sufficient stock of each principal raw material based on blanket orders and rolling forecasts of near-term requirements received from customers. In addition, several of our principal suppliers dedicate portions of their inventories as reserves to meet our production requirements. However, shortages in the supply of materials experienced by the semiconductor industry have in the past resulted in occasional price adjustments and delivery delays. For example, in the first half of 2000, the industry experienced a shortage in the supply of IC substrates used in BGA packages, which, at the time, were only available from a limited number of suppliers located primarily in Japan. In order to reduce the adverse impact caused by the price fluctuations of raw materials, we have developed substitute raw materials, such as copper, the cost of which is much cheaper than that of gold. However, we cannot guarantee that we will not experience shortages or price increase in the near future or that we will be able to obtain adequate supplies of raw materials in a timely manner and at a reasonable price or to develop any substitute raw materials. In the event of a shortage and/or price increase, we generally inform our customers and work together to accommodate changes in delivery schedules and/or the price increase of raw materials.

We produce substrates for use in our packaging operations. In 2016, our interconnect materials operations supplied approximately 29.7% of our consolidated substrate requirements by value. See “—Principal Products and



Services—Interconnect Materials.”

As a result of the “Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment,” or RoHS, which became effective on July 1, 2006, we have adjusted our purchases of raw materials and our production processes in order to use raw materials that comply with this legislation for part of our production. This legislation restricts the use in the European Union, or EU, of certain substances the EU deems harmful to consumers, which includes certain grades of molding compounds, solder and other raw materials that are used in our products. Manufacturers of electrical and electronic equipment must comply with this legislation in order to sell their products in an EU member state. Any failure by us to comply with regulatory environmental standards such as Directive 2002/95/EC may have a material adverse effect on our results of operations.

### Testing

For the functional and burn-in testing of semiconductors, no other raw materials are needed. However, we often design and outsource the manufacturing of test interface products such as load boards, probe cards and burn-in boards.

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### Electronic Manufacturing Services

Our manufacturing processes use many raw materials in our electronic manufacturing services. For 2016, raw materials costs accounted for 77.1% of our operating revenues from electronic manufacturing services. Our principal raw materials include, among others, printed circuit boards, integrated chips, ink, semiconductor devices, computer peripherals and related accessories and electronic components. Our principal raw materials varied in the past, depending on the end-use products we provided.

To ensure quality, on-time delivery and pricing competitiveness, we have established both a standardized supplier assessment system and an evaluation mechanism, continued to maintain close working relationships with our suppliers and jointly created a stable and sustainable supply chain. In addition, we adjusted the procurement strategy in line with industry trends as well as the nature of raw materials and decentralized the sources of raw materials to lower our supply concentration risk. However, we cannot assure you that we will not experience any shortages or price increases in the near future. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Our revenues and profitability may decline if we are unable to obtain adequate supplies of raw materials in a timely manner and at a reasonable price.”

### Equipment

### Packaging

Wire bonding process is important for routing signal out of die to the system for the IC wire-bonding solutions. Thus, wire bonder is the important equipment used for such process. As products become finer and finer pitch, bumping process will replace wire bonding process for the signal routing purpose. Thus, sputter and plater will be the crucial equipment for this type of process.

Wire bonders connect the input/output terminals on the silicon die using extremely fine gold or copper wire to leads on leadframes or substrates. Typically, a wire bonder may be used, with minor modifications, for the packaging of different products. As of January 31, 2017, we operated an aggregate of 15,878 wire bonders, of which 15,789 were fine-pitch wire bonders. As of the same date, 21 of the wire bonders operated by us were consigned by customers and none were leased under operating leases. For the packaging of certain types of substrate-based packages, die bonders are used in place of wire bonders. The number of bonders at a given facility is commonly used as a measure of the packaging capacity of the facility. In addition to bonders, we maintain a variety of other types of packaging equipment, such as wafer grind, wafer mount, wafer saw, automated molding machines, laser markers, solder plate, pad printers, dejunkers, trimmers, formers, substrate saws and scanners. We purchase our packaging equipment from

major international manufactures, including Disco Corporation, Kulicke & Soffa Industries Inc., BE Semiconductor Industries N.V., TOWA CORPORATION, ASM Pacific Technology and Allring Tech Co., Ltd.

## Testing

Testing equipment is the most capital intensive component of the testing process. We generally seek to purchase testers from different suppliers with similar functionality and the ability to test a variety of different semiconductors. We purchase testers from major international manufacturers, including Teradyne, Inc., Advantest Ltd., LTX-Credence Corporation, Seiko Epson and Tokyo Electron Limited. Upon acquisition of new testers, we install, configure, calibrate, perform burn-in diagnostic tests on and establish parameters for the testers based on the anticipated requirements of existing and potential customers and considerations relating to market trends. As of January 31, 2017, we operated an aggregate of 3,747 testers, of which 1,102 were consigned by customers and 102 were leased under operating leases. In addition to testers, we maintain a variety of other types of testing equipment, such as automated handlers and probers (special handlers for wafer probing), scanners, reformers and computer workstations for use in software development. Each tester may be attached to a handler or prober. Handlers attach to testers and transport individual packaged semiconductor to the tester interface. Probers similarly attach to the tester and align each individual die on a wafer with the interface to the tester.

For the majority of our testing equipment, we often base our purchases on prior discussions with our customers about their forecast requirements. The balance consists of testing equipment on consignment from customers and which are dedicated exclusively to the testing of these customers' specific products.

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Test programs, which consist of the software that drives the testing of specific semiconductors, are written for a specific testing platform. We sometimes perform test program conversions that enable us to test semiconductors on multiple test platforms. This portability between testers enables us to allocate semiconductors tested across our available test capabilities and thereby improve capacity utilization rates. In cases where a customer requires the testing of a semiconductor product that is not yet fully developed, the customer may provide computer workstations to us to test specific functions. In cases where a customer has specified testing equipment that was not widely applicable to other products that we test, we have required the customer to furnish the equipment on a consignment basis.

## Electronic Manufacturing Services

The SMT assembly line is the key facility of our electronic manufacturing operations, and generally includes a printer and one or two high-speed mounters and/or a multi-function mounter. The SMT assembly process primarily consists of the following three manufacturing steps: (i) solder paste stencil printing, (ii) component placement and (iii) solder reflow. High-speed SMT assembly systems offer both economic and technical advantages that may reduce both production cost and time while meeting quality requirements. Thus, SMT has become the most popular assembly method for sophisticated electronic devices. We had 128 SMT lines as of January 31, 2017.

## Intellectual Property

As of January 31, 2017, we held 2,020 Taiwan patents, 945 U.S. patents, 996 PRC patents and 17 patents in other countries related to various semiconductor packaging technologies and invention, utility and design on our electronic manufacturing services. In addition, we also filed several trademarks applications in Taiwan, the United States, China and the European Union. For example, “ASE”, “aCSP”, “a-EASI”, “a-fcCSP”, “aQFN” “a-QFN”, “a-TiV”, “iSiP”, “iWLP” and have been registered in Taiwan.

We have also entered into various non-exclusive technology license agreements with other companies involved in the semiconductor manufacturing process, including Fujitsu Limited, Flip Chip International, L.L.C., Mitsui High-Tec, Inc., Infineon Technologies AG, TDK Corporation and Deca Technologies Inc. The technology we license from these companies includes solder bumping, redistribution, ultra CSP assembly, advanced QFN assembly, wafer level packaging and other technologies used in the production of package types, such as BCC, flip-chip BGA, film BGA, aQFN and chip embedding. Our license agreements with Flip Chip International, L.L.C. and SPIL will not expire until the expiration of the patents licensed by the agreement. Our one license agreement with Infineon Technologies AG will expire on November 5, 2017, and another license agreement with Infineon Technologies AG will remain in effect until expiration of the Infineon’s patents licensed by the agreement. Our license agreement with Mitsui High-Tec, Inc. renews automatically each year, and our license agreement with Fujitsu Limited renews automatically each year unless the parties to the agreement agree otherwise. Our license agreement with TDK Corporation will remain in effect until expiration of the TDK’s patents licensed by the agreement. Our license agreement with Deca Technologies

Inc. will expire on January 13, 2026. Our success depends in part on our ability to obtain, maintain and protect our patents, licenses and other intellectual property rights, including rights under our license agreements with third parties.

## Quality Control

We believe that our process technology and reputation for high quality and reliable services have been important factors in attracting and retaining leading international semiconductor companies as customers for our services and/or products. We maintain a quality control staff at each of our facilities. Our quality control staff typically includes engineers, technicians and other employees who monitor the processes in order to ensure high quality. Our quality assurance systems impose strict process controls, statistical in-line monitors, supplier control, data review and management, quality controls and corrective action systems. Our quality control employees operate quality control stations along production lines, monitor clean room environments and follow up on quality through outgoing product inspection and interaction with customer service staff. We have established quality control systems that are designed to ensure high quality products/service to customers, high testing reliability and high production yields at our facilities. We also have established an environmental management system in order to ensure that we can comply with the environmental standards of our customers and the countries within which they operate. See “—Raw Materials and Suppliers—Packaging.” In addition, our facilities have been qualified by all of our major customers after satisfying stringent quality standards prescribed by these customers.

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Our packaging and testing operations are undertaken in clean rooms where air purity, temperature and humidity are controlled. To ensure stability and integrity of our operations, we maintain clean rooms at our facilities that meet U.S. Federal Standard 209E class 1,000, 10,000 and 100,000 standards.

ISE Labs' testing facilities in Fremont, California, are considered suitably equipped by the Defense Logistics Agency to perform the MIL-STD-883 tests on monolithic microcircuits in accordance with the requirements of military specification MIL-PRF-38535.

We have also obtained many certifications on our packaging, testing and interconnect materials facilities. Some of these certifications are required by some semiconductor manufacturers as a threshold indicator of company's quality control standards or needed by many countries in connection with sales of industrial products. The table below sets forth the certifications we have for our packaging, testing and interconnect materials.

Location	ISO/TS 16949 <sup>(1)</sup>	ISO 9001 <sup>(2)</sup>	ISO 14001 <sup>(3)</sup>	ISO 17025 <sup>(4)</sup>	ISO 14064-1 <sup>(5)</sup>	IECQ HSPM QC080000 <sup>(6)</sup>	Sony Green <sup>(7)</sup>	OHSAS 18001 <sup>(8)</sup>	TOSHMS and SA8000 <sup>(9)</sup>	ISO 50001 <sup>(10)</sup>
Taiwan	ü	ü	ü	ü	ü	ü	ü	ü	ü	ü
Shanghai, PRC	ü	ü	ü		ü	ü		ü		
Suzhou/Kunshan/										
Weihai/ Wuxi, PRC	ü	ü	ü		ü	ü	ü	ü		
Korea	ü	ü	ü			ü	ü	ü		
Japan	ü	ü	ü			ü	ü			
Malaysia	ü	ü	ü		ü	ü	ü			
Singapore	ü	ü	ü			ü		ü		
California		ü	ü	ü						

ISO/TS16949 standards were originally created by the International Automotive Task Force in conjunction with (1) the International Standards Organization, or ISO. These standards provide for continuous improvement with an emphasis on the prevention of defects and reduction of variation and waste in the supply chain.

ISO 9001 quality standards, set by the ISO, are related to quality management systems and designed to help (2) organizations ensure that they meet the needs of customers and other stakeholders while meeting statutory and regulatory requirements related to the product.

(3)

ISO 14001 sets out the criteria for an environmental management system. It can be used by any organization that wants to improve resource efficiency, reduce waste and drive down costs.

(4) ISO 17025 is the main ISO standard used by testing and calibration laboratories.

ISO 14064-1 standard is part of the ISO 14000 series of International Standards for environmental management.

(5) The ISO 14064 standard provides governments, businesses, regions and other organizations with a complementary set of tools for programs to quantify, monitor, report and verify greenhouse gas emissions.

(6) IECQ HSPM QC080000 is a certification designed to manage, reduce and eliminate hazardous substances.

(7) “Sony Green Partner” indicates our compliance with the “Sony Green Package” standard requirements.

OHSAS 18001 is a set of standards designed upon collaboration with occupational health and safety experts and

(8) now offered by many certification organizations as an indication of compliance with certain standards for occupational health and safety.

(9) TOSHMS is the Taiwan Occupational and Health Management System. SA8000 is the most widely recognized global standard for managing human rights in the workspace.

(10) ISO50001 is a standard for an energy management system. It can be used by any organization that wants to reduce energy costs and use energy more efficiently.

(11) ISO 13485 quality management system sets forth the quality requirements for organizations that are required to consistently meet customers’ requirements and regulatory requirements in the medical devices and related services industry.

(12) ISO 28000 is an international standard for security management system dealing with security assurance in a supply chain.

(13) ISO 26262 is an international standard for functional safety of electrical and electronic systems in production automobiles defined by ISO.

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(14) ISO 15408-EAL6 is a framework that outlines the criteria for globally recognized standards and security inspections for IT products. It is designed for products and applications that are targeted for high security-intensive markets, such as the government, banking or defense sectors.

Since our acquisition of a controlling interest in Universal Scientific in February 2010, we began providing electronic manufacturing services, for which we also have strict process controls. The table below sets forth the certifications we have obtained for our electronic manufacturing services facilities.

Location	ISO/TS 16949	ISO 9001	ISO 14001	ISO 14064-1	IECQ QC 080000	TL 9000 <sup>(1)</sup>	OHSASISO 18001 50001	ISO 17025	ISO 13485
Taiwan	ü	ü	ü	ü	ü		ü	ü	
Shenzhen, PRC		ü	ü	ü	ü	ü	ü	ü	
Shanghai, PRC	ü	ü	ü	ü	ü	ü	ü	ü	ü
Kunshan, PRC	ü	ü	ü	ü	ü	ü	ü	ü	ü
Mexico	ü	ü	ü	ü	ü		ü		

(1) TL 9000 quality management system sets forth the supply chain quality requirements of the global communications industry.

In addition, we have received various vendor awards from our customers for the quality of our products and services.

### Competition

The global market for semiconductor packaging and testing markets is highly competitive. We face competition from a number of sources and integrated device manufacturers with in-house packaging and testing capabilities and fabless semiconductor design companies with their own in-house testing capabilities. Some of these integrated device manufacturers have commenced, or may commence, in-house packaging and testing operations in Asia. Substantially all of packaging and testing companies that compete with us have established operations in Taiwan and across the region.



Integrated device manufacturers that use our services continuously evaluate our performance against their own in-house packaging and testing capabilities. These integrated device manufacturers may have access to more sophisticated technologies and greater financial and other resources than we do. We believe, however, that we can offer greater efficiency at lower cost while maintaining equivalent or higher quality for several reasons. First, as we benefit from specialization and economies of scale by providing services to a large base of customers across a wide range of products, we are better able to reduce costs and shorten production cycles through high capacity utilization and process expertise. Second, as a result of our customer base and product offerings, our equipment generally has a longer useful life. Third, as a result of the continuing reduction of investments in in-house packaging and testing capacity and technology at integrated device manufacturers, we are better positioned to meet their packaging and testing requirements on a large scale.

Our packaging and testing business also faces actual and potential competition from companies at other levels of the supply chain, which have the financial resources and technical capabilities to enter and compete effectively with us. For example, TSMC has launched integrated fan-out (“InFO”) technology, which is scheduled to be put into mass production in 2016. InFO is expected to further intensify the competition in the packaging and testing industry.

In addition, we have provided electronic manufacturing services since our acquisition of a controlling interest in Universal Scientific in February 2010. As a result of this, we face significant competition from other electronic manufacturing services providers, such as Hon Hai Precision Ind. Co., Ltd., with comprehensive integration, wide geographic coverage and large production capabilities that enable them to achieve economies of scale. We believe, however, that we can still achieve satisfactory performance in the market given that we have been able to provide products with high quality and we are capable of designing new products by cooperating with our customers.

#### Environmental Matters

Our operations of packaging, interconnect materials and electronic manufacturing services generate environmental wastes, including gaseous chemical, liquid and solid industrial wastes. We have installed various types of anti-pollution equipment for the treatment of liquid and gaseous chemical waste generated at our facilities. We believe that we have adopted adequate anti-pollution measures for the effective maintenance of environmental protection standards that are consistent with industry practice in the countries in which our facilities are located. In addition, we believe we are in compliance in all material respects with present environmental laws and regulations applicable to our operations and facilities.

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Furthermore, in order to demonstrate our commitment to environmental protection, in December 2013, our board of directors approved contributions to environmental protection efforts in Taiwan in a total amount of not less than NT\$3,000.0 million, to be made in the next 30 years. For the years ended December 31, 2014, 2015 and 2016, we have made contributions in the amount of NT\$100.0 million (US\$3.1 million) each, respectively, through ASE Cultural and Educational Foundation to fund various environmental projects, and our board of directors have resolved in a resolution in January 2017 to contribute NT\$100.0 million (US\$3.1 million) through ASE Cultural and Educational Foundation in environmental projects in 2017.

ASE Inc. Kaohsiung facility

Our operations involving wafer-level process and require wastewater treatment at our K7 Plant have been subject to scrutiny by the Kaohsiung City Environmental Protection Bureau and the Kaohsiung District Prosecutors office as a result of alleged wastewater disposal violations that occurred on October 1, 2013.

In December 2013, the Kaohsiung City Environmental Protection Bureau ordered us to suspend the operations at our K7 Plant's wafer-level process where nickel was used for alleged wastewater discharge violations and imposed a NT\$110.1 million fine against us. The NT\$110.1 million fine was later reduced to NT\$109.4 million as ordered by the Kaohsiung City Environmental Protection Bureau. In December 2014, the Kaohsiung City Environmental Protection Bureau lifted the suspension order and approved the full resumption of operations of our K7 Plant after ordering a series of examinations, hearings and trial runs. In September 2015, the fine was further reduced to NT\$102.0 million by the Kaohsiung City Environmental Protection Bureau and we received a refund of NT\$7.3 million in October 2015. Although our K7 Plant has resumed full operation, we may be subject to other new environmental claims, charges or investigations of our K7 Plant or other facilities that may cause similar or more severe interruptions to our business and operations.

With respect to the NT\$102.0 million administrative penalty imposed on us by the Kaohsiung City Environmental Protection Bureau, we appealed to the Kaohsiung High Administrative Court in August 2014 seeking to (i) revoke Kaohsiung City Government's decision, (ii) lift the administrative penalty imposed on us and (iii) demand a refund of the administrative penalty. On March 22, 2016, the Kaohsiung High Administrative Court revoked Kaohsiung City Government's decision and lifted the administrative penalty. Our demand for a refund of the fine was dismissed. We appealed to the Supreme Administrative Court on April 14, 2016 against the Kaohsiung High Administrative Court's unfavorable ruling in dismissing a refund. The outcome of the proceeding cannot be predicted with certainty.

In connection with the same alleged violations at our K7 plant, in October 2014, the Kaohsiung District Court ruled that we were in violation of the ROC Waste Disposal Act and imposed on us a criminal penalty of NT\$3.0 million. We appealed the case to the Taiwan High Court Kaohsiung District Branch in November 2014. In September 2015, the Taiwan High Court Kaohsiung District Branch overturned the decision made by Kaohsiung District Court and

found the Company not guilty and repealed the criminal penalty imposed on the Company. The verdict was final and not appealable. For additional details of these administrative actions and judicial proceedings related to our K7 Plant see “Item 4. Information on the Company—Property, Plants and Equipment” and see “Item 8. Financial Information—Consolidated Statements and Other Financial Information—Legal Proceedings.” Defending against any of these pending or future actions will likely be costly and time-consuming and could significantly divert management’s efforts and resources.

Any future suspension of operations at K7 Plant or our other facilities may adversely affect our business, financial condition, results of operations and cash flows. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Any environmental claims or failure to comply with any present or future environmental regulations, as well as any fire or other industrial accident, may require us to spend additional funds and may materially and adversely affect our financial condition and results of operations.”

Our estimated environmental capital expenditures for 2017 will be approximately US\$14.7 million, of which 13.9% will be used in climate change adaptation. In order to demonstrate our commitment to fulfill our corporate social responsibility toward environmental protection, in December 2013, our board of directors approved contributions to environmental protection efforts in Taiwan in a total amount of not less than NT\$3,000.0 million, at minimum, to be made in the next 30 years.

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### Climate Change Management

Climate change is a key corporate sustainability issue, and we are adapting local and international policies and taking firm actions to mitigate the emissions of greenhouse gases attributable to our business operations. We have also set up a Corporate Sustainability Committee (CSC) to better carry out sustainability efforts corresponding to the sustainability guidance and fulfill our commitments.

We strive to develop and promote a green concept in all facets of our enterprise. We are now committed to ensuring the protection of the earth through our efforts to reduce greenhouse gas emissions, waste and effluent. In addition, from the initial product design stage, we conscientiously incorporate the use of green materials and cleaner production as well as the construction of green buildings and the upgrading of existing ones. For instance, we have maintained a multi-site certification for ISO 14001 and ISO 50001, which regularly examines the effectiveness of our environment and energy management systems and helps to improve our resource efficiency and reduce waste.

We believe that there are opportunities associated with climate change related risks and have implemented the following strategies to evaluate the risks and take advantage of the opportunities:

*Management procedures.* Since 2013, we have been using the Enterprise Risk Management (ERM) to manage climate change related risks. Consequently, potential risks induced by climate change are identified and assessed in a global scale. We have established a specific monitoring and control mechanism to reduce the adverse impacts of climate change on our business operation. The identified risks are managed by a variety of departments or functions (risk functions) across all parts of our organization.

*Identification processes for risks and opportunities.* The identification process for risks and opportunities is carried out at both company and asset level linked to multidimensional aspects. Natural disaster, sustainability development and low carbon technology are also the major factors to address climate change related risks. To do so, risk management programs are regularly implemented in our major manufacturing sites as well as all group-level functional departments and assets. Risk identification, assessment and response are three important steps in the ERM cycle. Risks and events that might have an influence on our business objectives are identified and evaluated, in order to decide on appropriate responses.

*Prioritize the risks and opportunities identified.* In accordance with a matrix analysis, the priority of climate change risks and opportunities are determined by the following criteria: timeframe, likelihood, control effectiveness and magnitude of impact on our sustainable operation. A comprehensive methodology is designed to evaluate the cost of implementation, effectiveness (degree to which a response will reduce impact), feasibility (difficulty) and time needed for implementation. Under a mechanism of prevention, early warning and emergency response to risks of different priorities, we believe that we will be able to effectively keep climate change risks under control.

Along with an increasing awareness of climate change crisis, energy saving and carbon reduction have become a mainstream concept for products or services, especially required by our customers. To meet the needs of customers and greenhouse gas mitigation, we continuously strive to provide high efficiency products as well as invest in the research and development for eco-friendly design. From the initial product design stage, we conscientiously incorporate the use of green materials and cleaner production as well as the construction of green buildings and the upgrading of existing ones.

Since 2012, we have incorporated green design standards and building concepts into the construction of our facilities. Starting in 2014, we have committed to constructing all new manufacturing facilities and office buildings in Taiwan following the most up-to-date green building standards, such as US LEED (Leadership in Energy and Environmental Design) and Taiwan EEWH (Ecology, Energy Saving, Waste Reduction and Health) standards. We have also adopted the green building concept to improve environmental performance of our existing buildings. In addition, we further promote "Green Factory Label Certification" by implementing the green building concept and cleaner production mechanism.

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Insurance

We have insurance policies covering property damage and damage to our production facilities, buildings and machinery. In addition, we have insurance policies covering our public and product liabilities. Significant damage to any of our production facilities would have a material adverse effect on our results of operations.

We are not insured against the loss of key personnel.

ORGANIZATIONAL STRUCTURE

The following chart illustrates our corporate structure including our principal manufacturing subsidiaries as of March 31, 2017. The following chart does not include wholly owned intermediate holding companies, internal trading companies and those companies without active operations.

Our Consolidated Subsidiaries

ASE Test Taiwan

ASE Test Taiwan, which was acquired in 1990, is our wholly owned subsidiary. It is incorporated in Taiwan and is engaged in the testing of integrated circuits.

ASE Test Malaysia

ASE Test Malaysia, which was established in 1991, is our wholly owned subsidiary. It is incorporated in Malaysia and is engaged in the packaging and testing of integrated circuits.

ISE Labs

ISE Labs is our wholly owned subsidiary. It is a semiconductor company specializing in front-end engineering testing that is incorporated in the United States and has its principal facilities located in Fremont, California. We acquired 70.0% of the outstanding shares of ISE Labs in 1999 through ASE Test, and increased our holding to 100.0% through purchases made in 2000 and 2002.

ASE Singapore Pte. Ltd.

ASE Singapore Pte. Ltd., our wholly owned subsidiary, is incorporated in Singapore and provides packaging and testing services. We acquired ASE Singapore Pte. Ltd., which was wholly owned by ISE Lab, through our acquisition of ISE Lab in 1999. In January 2011, ASE Singapore II Pte. Ltd. (formerly, EEMS Test Singapore) merged into ASE Singapore Pte. Ltd. after we acquired ASE Singapore II Pte. Ltd. in August 2010.

ASE Electronics

ASE Material was established in 1997 as an ROC company for the production of interconnect materials, such as substrates, used in the packaging of semiconductors. We initially held a majority stake in ASE Material, but acquired the remaining equity by means of a merger of ASE Material with and into us in August 2004. In August 2006, we spun off the operations originally conducted through ASE Material into our wholly owned subsidiary ASE Electronics. ASE Electronics currently supplies our packaging operations with a substantial portion of our substrate requirements. The facilities of ASE Electronics are primarily located in the Nantze Export Processing Zone near our packaging and testing facilities in Kaohsiung, Taiwan.

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ASE Chung Li and ASE Korea

In July 1999, we purchased Motorola's Semiconductor Products Sector operations in Chung Li, Taiwan and Paju, South Korea for the packaging and testing of semiconductors, thereby forming ASE Chung Li and ASE Korea. In August 2004, we acquired the remaining outstanding shares of ASE Chung Li that we did not already own and merged ASE Chung Li into us.

ASE Japan

ASE Japan, which we acquired from NEC Electronics Corporation in May 2004, is our wholly owned subsidiary. It is incorporated in Japan and is engaged in the packaging and testing of semiconductors.

ASE Shanghai

ASE Shanghai was established in 2001 as a wholly owned subsidiary of ASE Inc. and began operations in June 2004. ASE Shanghai primarily manufactures and supplies interconnect materials for our packaging operations.

ASESH AT

We acquired 100% of GAPTECH, now known as ARESH AT, in January 2007 for a purchase price of US\$60.0 million. ARESH AT is a PRC company based in Shanghai, China that provides packaging and testing services for a wide range of semiconductors.

ASEN

In September 2007, we acquired 60.0% of ASEN, formerly known as NXP Semiconductors Suzhou Ltd., from NXP Semiconductors for a purchase price of US\$21.6 million. NXP Semiconductors holds the remaining 40.0% of ASEN. ASEN is based in Suzhou, China and is engaged in semiconductor packaging and testing.



## ASEWH

In May 2008, we acquired 100.0% of the shares of ASEWH from Aimhigh Global Corp. and TCC Steel. ASEWH is based in Weihai, Shandong, China and is engaged in semiconductor packaging and testing.

## ASEKS

ASEKS was set up in 2004 and began operating in 2010. ASEKS is based in Kunshan, China and is engaged in semiconductor packaging and testing.

## Wuxi Tongzhi

In May 2013, we, through our subsidiary ASESAT, acquired 100.0% of the shares of Wuxi Tongzhi from Toshiba Semiconductor (Wuxi) Co, Ltd. Wuxi Tongzhi is based in Wuxi, China and is engaged in semiconductor packaging and testing.

## USI Group

USI Group engages primarily in electronic manufacturing services in relation to computers, consumer electronics, communications, industrial and automotive, among other services and businesses. We purchased 22.6% of the outstanding shares of Universal Scientific in 1999. We subsequently increased our holding to 23.3% in 2000. As of December 31, 2009, we held approximately 18.1% of Universal Scientific's outstanding equity shares, which allowed us to exercise significant influence over Universal Scientific and therefore accounted for this investment by the equity method. In February 2010, we, along with our two subsidiaries, J&R Holding Limited and ASE Test, through a cash and stock tender offer, acquired 641,669,316 common shares of Universal Scientific at NT\$21 per share, amounting to NT\$13,475.1 million in total, resulting in our controlling ownership over Universal Scientific.

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As a result, Universal Scientific became our subsidiary. The shares of Universal Scientific were delisted from the TWSE on June 17, 2010, which were previously listed under the symbol “2350.” In August 2010, we acquired additional 222,243,661 shares of Universal Scientific through another tender offer at NT\$21 per share, amounting to NT\$4,667.1 million in total. In September 2012, as part of our internal business restructuring, our subsidiaries transferred their shareholdings in Universal Scientific to ASE Inc.

In February 2012, Universal Scientific Shanghai completed its IPO on the Shanghai Stock Exchange. The total proceeds from the IPO was approximately RMB811.7 million prior to deducting underwriting discounts and commissions. In November 2014, Universal Scientific Shanghai completed its capital increase by way of domestic private placements through a bidding process, raising a total of RMB2,063.0 million prior to deducting underwriting discounts and commissions. The issue price per share was RMB27.06. As of March 31, 2017, we indirectly held 75.9% of the total outstanding shares of Universal Scientific Shanghai through our subsidiaries USI Inc. and ASE Shanghai.

On February 2, 2015, Universal Scientific’s shareholders passed a resolution at the shareholders’ meeting to spin-off and assign Universal Scientific’s investment businesses with a then-estimated value of NT\$35,537.8 million to USI Inc. In April 2015, Universal Scientific completed a spin-off of its subsidiaries to USI Inc., a company incorporated under ROC law. As part of our business realignment effort, we acquired 990.1 million shares in USI Inc. on the spin-off record date, which resulted in us holding 99.2% of the total then outstanding shares of USI Inc. Following Universal Scientific’s spin-off of its investment businesses to USI Inc., Universal Scientific carried out a capital reduction plan reducing its capital from NT\$16,413.0 million to NT\$400.0 million. As a result of such spin-off, as of April 1, 2015, we held approximately 99.0% of the outstanding common shares of Universal Scientific.

Furthermore, as part of our corporate reorganization to align each business function to different legal entity groups, the board of directors of ASE Inc. passed a resolution on September 24, 2015, to announce our intention to carry out the Universal Scientific Share Transfer. The Universal Scientific Share Transfer was approved by the Investment Commission of MOEA on February 3, 2016. The majority of shares were transferred in March 2016, and the remaining shares were transferred in May 2016. As of March 31, 2017, ASE Inc. indirectly held 75.7% of Universal Scientific. Following the completion of the Universal Scientific Share Transfer, USI Group will operate under the legal entities directly and indirectly held under USI Inc. See “Item 4. Information on the Company—Information on the Company—History and Development of the Company—USI Group Restructuring” for more information.

## PROPERTY, PLANTS AND EQUIPMENT

We operate a number of packaging, testing and electronic manufacturing facilities in Asia and the United States. Our facilities provide varying types or levels of services with respect to different end-product focus, customers, technologies and geographic locations. With our diverse facilities we are able to tailor our packaging, testing and electronic manufacturing solutions closely to our customers’ needs. The following table sets forth the location, commencement of operation, primary use, approximate floor space and ownership of our principal facilities as of

January 31, 2017.

Facility	Location	Commencement of Operation	Primary Use	Approximate Floor Space (in sq. ft.)	Owned or Leased
ASE Inc.	Kaohsiung, ROC	March 1984	Our primary packaging facility, which offers complete semiconductor manufacturing solutions in conjunction with ASE Test Taiwan and foundries located in Taiwan. Focuses primarily on packaging services such as flip-chip, wafer bumping and fine-pitch wire bonding.	5,924,000	Land: leased Buildings: owned and leased
	Chung Li, ROC	Acquired in July 1999	An integrated packaging and testing facility that specializes in semiconductors for communications and consumer applications.	4,162,000	Land and buildings: owned

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Facility	Location	Commencement of Operation	Primary Use	Approximate Floor Space (in sq. ft.)	Owned or Leased
ASE Test Taiwan	Kaohsiung, ROC	Acquired in April 1990	Our primary testing facilities, which offer complete semiconductor manufacturing solutions in conjunction with ASE Inc.'s facility in Kaohsiung and foundries located in Taiwan. Focuses primarily on advanced logic/mixed-signal/RF/3D IC testing for integrated device manufacturers, fabless design companies and system companies.	1,004,000	Land: leased Buildings: owned and leased
ASE Test Malaysia	Penang, Malaysia	February 1991	An integrated packaging and testing facility that focuses primarily on the requirements of integrated device manufacturers.	1,102,000	Land: leased Buildings: owned
ASE Korea	Paju, Korea	Acquired in July 1999	An integrated packaging and testing facility that specializes in semiconductors for radio frequency, sensor and automotive applications.	1,294,000	Land and buildings: owned
ISE Labs	California, USA Texas, USA	Acquired in May 1999	Front-end engineering and final testing facilities located in northern California in close proximity to some of the world's largest fabless design companies. Testing facilities located in close proximity to integrated device manufacturers and fabless companies in Texas.	96,000	Land and buildings: owned and leased
ASE Singapore	Singapore	Acquired in May 1999	An integrated packaging and testing facility that specializes in semiconductors for communication, computers and consumer applications.	282,000	Land: leased Buildings: owned and leased
ASE Shanghai	Shanghai, China	June 2004	Design and production of semiconductor packaging materials.	1,707,000	Land: leased Buildings: owned
ASE Japan	Takahata, Japan	Acquired in May 2004	An integrated packaging and testing facility that specializes in semiconductors for cellular phone, household appliance and automotive applications.	155,000	Land and buildings: leased

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Facility	Location	Commencement of Operation	Primary Use	Approximate Floor Space (in sq. ft.)	Owned or Leased
ASE Electronics	Kaohsiung, ROC	August 2006	Facilities for the design and production of interconnect materials such as substrates used in the packaging of semiconductors.	566,000	Land: leased Buildings: owned and leased
ASESH AT	Shanghai, China	Acquired in January 2007	An integrated packaging and testing facility that specializes in semiconductors for communications and consumer applications.	1,540,000	Land: leased Buildings: owned
ASEN	Suzhou, China	Acquired in September 2007	An integrated packaging and testing facility that specializes in communication applications.	451,000	Land: leased Buildings: owned
ASEWH	Shandong, China	Acquired in May 2008	An integrated packaging and testing facility that specializes in semiconductors for communications, computing and consumer applications.	759,000	Land: leased Buildings: owned
ASEKS	Kunshan, China	July 2010	An integrated packaging and testing facility that specializes in semiconductors for communications and consumer applications.	2,310,000	Land: leased Buildings: owned
Wuxi Tongzhi	Wuxi, China	Acquired in May 2013	An integrated packaging and testing facility that specializes in semiconductors for MP3, Vehicle, household appliance and communications applications.	78,000	Land and buildings: leased
Universal Scientific	Nantou, ROC	Acquired in February 2010	Manufacture and marketing of electronic components, accessories and related products.	182,000	Land: owned Buildings: owned and leased
USI Mexico	Guadalajara, Mexico	Acquired in February 2010	Manufacturing site, which offer motherboard manufacture and system assembly.	384,000	Land: owned Buildings: owned

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Facility	Location	Commencement of Operation	Primary Use	Approximate Floor Space (in sq. ft.)	Owned or Leased
USISZ	Shenzhen, China	Acquired in February 2010	Manufacturing site, design, manufacture and marketing of motherboards, electronic components, accessories and related products in China.	683,000	Land: leased Buildings: owned
Universal Scientific Shanghai	Shanghai, China	Acquired in February 2010	Manufacturing site, design, manufacture and marketing of motherboards, electronic components, accessories and related products in China.	1,513,000	Land: leased Buildings: owned and leased
UGKS	Kunshan, China	August 2011	Manufacturing site, design, manufacture and marketing of motherboards, electronic components, accessories and related products in China.	889,000	Land: leased Buildings: leased
UGTW	Nantou, ROC	February 2010	Design, manufacture and marketing of electronic components, accessories and related products, and provide related research and development services.	400,000	Land: owned Buildings: owned and leased
UGJQ	Shanghai, China	Established in September 2013	Design, manufacture and marketing of motherboards, electronic components, accessories and related products in China.	647,000	Land: leased Buildings: leased

Our major leased property in Kaohsiung consists primarily of leases of land in the Kaohsiung Nantze Export Processing Zone between ASE Inc. and ASE Test Taiwan, as the lessees, and the Export Processing Zones Administration (“the EPZA”), under the Ministry of Economic Affairs. The leases have ten-year or twenty-year terms that will expire through June 2035. No sublease or lending of the land is allowed. The EPZA has the right to adjust the rental price in the event the government revalues the land. The leases are typically renewable with three-month notice prior to the termination date.

ASE Inc. Kaohsiung Facility

In December 2013, the Kaohsiung City Environmental Protection Bureau ordered us to suspend the operations at our K7 Plant's wafer-level process where nickel was used for alleged wastewater discharge violations and imposed a NT\$110.1 million fine against us. The NT\$110.1 million fine was later reduced to NT\$109.4 million as ordered by the Kaohsiung City Environmental Protection Bureau. In December 2014, the Kaohsiung City Environmental Protection Bureau lifted the suspension order and approved the full resumption of operations of our K7 Plant after ordering a series of examinations, hearings and trial runs. In September 2015, the fine was further reduced to NT\$102.0 million by the Kaohsiung City Environmental Protection Bureau and we received a refund of NT\$7.3 million in October 2015.

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With respect to the NT\$102.0 million administrative penalty imposed on us by the Kaohsiung City Environmental Protection Bureau, we appealed to the Kaohsiung High Administrative Court in August 2014 seeking to (i) revoke Kaohsiung City Government's decision, (ii) lift the administrative penalty imposed on us and (iii) demand a refund of the administrative penalty. On March 22, 2016, the Kaohsiung High Administrative Court revoked Kaohsiung City Government's decision and lifted the administrative penalty. Our demand for a refund of the fine was dismissed. We appealed to the Supreme Administrative Court on April 14, 2016 against the Kaohsiung High Administrative Court's unfavorable ruling in dismissing a refund. The outcome of the proceeding cannot be predicted with certainty.

In connection with the same alleged violations at our K7 plant, in October 2014, the Kaohsiung District Court ruled that we were in violation of the ROC Waste Disposal Act and imposed on us a criminal penalty of NT\$3.0 million. We appealed the case to the Taiwan High Court Kaohsiung District Branch in November 2014. In September 2015, the Taiwan High Court Kaohsiung District Branch overturned the decision made by Kaohsiung District Court and found the Company not guilty and repealed the criminal penalty imposed on the Company. The verdict was final and not appealable. For additional details of these administrative actions and judicial proceedings related to our K7 Plant see "—Environmental Matters" and "Item 8. Financial Information—Consolidated Statements and Other Financial Information—Legal Proceedings."

Any future suspension of operations at K7 Plant or our other facilities may adversely affect our business, financial condition, results of operations and cash flows. See "Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Any environmental claims or failure to comply with any present or future environmental regulations, as well as any fire or other industrial accident, may require us to spend additional funds and may materially and adversely affect our financial condition and results of operations."

We currently do not have plans for significant expansion, but will re-evaluate our need for future expansion based on market condition and future demand requirements to meet our expected future growth. For information on the aggregate capacity of our facilities we operate, see "—Business Overview—Equipment."

Item 4A. Unresolved Staff Comments

None.

Item 5. Operating and Financial Review and Prospects

OPERATING RESULTS AND TREND INFORMATION



The following discussion of our business, financial condition and results of operations should be read in conjunction with our consolidated financial statements, which are included elsewhere in this annual report. This discussion contains forward-looking statements that reflect our current views with respect to future events and financial performance. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of any number of factors, such as those set forth under “Item 3. Key Information—Risk Factors” and elsewhere in this annual report. See “Special Note Regarding Forward-Looking Statements.”

## Overview

We offer a broad range of semiconductor packaging, testing services and we also offer electronic manufacturing services since our acquisition of a controlling interest in Universal Scientific in February 2010. In addition to offering each service separately, we also offer turnkey services, which includes integrated packaging, testing and direct shipment of semiconductors to end users designated by our customers and solution-based proactive original design manufacturing, with our customers. In addition, we started generating revenues from our real estate business since 2010. Our operating revenues increased from NT\$256,591.4 million in 2014 to NT\$283,302.5 million in 2015 and NT\$274,884.1 million (US\$8,484.1 million) in 2016.

Discussed below are several factors that have had a significant influence on our financial results in recent years.

## Pricing and Revenue Mix

We price our services taking into account the actual costs involved in providing these services, with reference to prevailing market prices. The majority of our prices and revenues are denominated in U.S. dollars. Any significant fluctuation in exchange rates, especially between NT dollars and U.S. dollars, will affect our costs and, in turn, our revenues.

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In the case of semiconductor packaging, the cost of the silicon die, typically the most costly component of the packaged semiconductor, is usually not reflected in our costs (or revenues) since it is generally supplied by our customers on a consignment basis.

The semiconductor industry is characterized by a general trend toward declining prices for products and services of a given technology over time. In addition, during periods of intense competition and adverse conditions in the semiconductor industry, the pace of this decline may be more rapid than in other years. The average selling prices of our packaging and testing services have experienced sharp declines during such periods as a result of intense price competition from other market participants that attempt to maintain high capacity utilization levels in the face of reduced demand.

Declines in average selling prices have been partially offset historically by changes in our revenue mix, and typically the selling price is largely dependable on the complexity of the services. In particular, revenues derived from more advanced package types, such as flip-chip BGA, higher density packages with finer lead-to-lead spacing, or pitch, and testing of more complex, high-performance semiconductors have increased as a percentage of total revenues. We intend to continue to focus on package types such as bumping, flip-chip BGA and SiP, developing and offering new technologies in packaging and testing services and expanding our capacity to achieve economies of scale, as well as improving production efficiencies for older technologies, in order to mitigate the effects of declining average selling prices on our profitability.

Our profitability for a specific package type does not depend linearly on its average selling price. Some of our more traditional package types, which typically have low average selling prices, may well command steadier and sometimes higher margins than more advanced package types with higher average selling prices.

## High Fixed Costs

Our operations, in particular our testing operations, are characterized by relatively high fixed costs. We expect to continue to incur substantial depreciation and other expenses especially from our acquisitions of packaging and testing equipment and facilities. Our profitability depends in part not only on absolute pricing levels for our products/services, but also on utilization rates on equipment, commonly referred to as “capacity utilization rates.” In particular, increases or decreases in our capacity utilization rates could have a significant effect on gross margins since the unit cost of our products and/or services generally decreases as fixed costs are allocated over a larger number of units. The capacity utilization rates of the machinery and equipment installed at our production facilities typically depend on factors such as the volume and variety of products, the efficiency of our operations in terms of the loading and adjustment of machinery and equipment for different products, the complexity of the different products to be packaged or tested, the amount of time set aside for the maintenance and repair of the machinery and equipment, and the experience and schedule of work shifts of operators.

In 2014, 2015 and 2016, our depreciation, amortization and rental expense included in operating costs as a percentage of operating revenues was 9.9% ,10.0% and 10.3%, respectively. The increase in depreciation, amortization and rental expense as a percentage of operating revenues in 2016 compared to 2015 was primarily a result of a decrease in our electronic manufacturing services revenues. We begin depreciating our equipment when the machinery is placed into service. There may sometimes be a time lag between when our equipment is available for use and when it achieves high levels of utilization. In periods of depressed industry conditions, such as the fourth quarter of 2008, we experienced lower than expected demand from customers, resulting in an increase in depreciation relative to operating revenues. In particular, the capacity utilization rates for our testing equipment are more severely affected during an industry downturn as a result of a decrease in outsourcing demand from integrated device manufacturers, which typically maintain larger in-house testing capacity than in-house packaging capacity.

In addition to purchasing testers, we also lease a portion of our testers, which we believe allows us to better manage our capacity utilization rates and cash flow. Since leased testers can be replaced with more advanced testers upon the expiration of the lease, we believe that these operating leases have enabled us to improve our capacity utilization rates by allowing us to better align our capacity with changes in equipment technology and the needs of our customers. For more information about our testers, including the number of testers under lease, see “Item 4. Information on the Company—Business Overview—Equipment—Testing.”

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### Raw Material Costs

Substantially all of our raw material costs are accounted for by packaging, the production of interconnect materials and electronic manufacturing services. In particular, our electronic manufacturing services acquired in 2010 require more significant quantities of raw materials than our packaging and production of interconnect materials. In 2014, 2015 and 2016, raw material cost as a percentage of our operating revenues was 45.6% , 50.0% and 45.5%, respectively.

We have developed copper wire to gradually replace gold wire in the packaging processes in order to benefit from the lower material cost of copper. However, gold wire is still one of the principal raw materials we use in our packaging processes, and the recent volatility in the price of gold has affected our operating costs. In 2016, the spot rate for gold fluctuated from approximately US\$1,073 per ounce to approximately US\$1,370 per ounce according to the statistics published by The London Bullion Market Association. It may be difficult for us to adjust our average selling prices to account for fluctuations in the price of gold. We expect that gold wire will continue to be an important raw material for us and we therefore expect to continue to be subject to significant fluctuations in the price of gold.

### Recent Accounting Pronouncements

#### *Adopted standards for current period*

In the current year, we have applied the following new, revised or amended standards and interpretations that have been issued and effective: Amendments to IFRSs *Annual Improvements to IFRSs: 2012-2014 Cycle*, Amendments to IFRS 10, IFRS 12 and International Accounting Standard (“IAS”) 28 *Investment Entities: Applying the Consolidation Exception*, Amendments to IFRS 11 *Accounting for Acquisitions of Interests in Joint Operations*, Amendments to IAS 1 *Disclosure Initiative*, Amendments to IAS 16 and IAS 38 *Clarification of Acceptable Methods of Depreciation and Amortization*. The adoption of aforementioned standards or interpretations did not have a significant effect on our accounting policies. Please refer to note 3 to our consolidated financial statements included in this annual report for more information.

#### *Standards not yet adopted*

Among the new, revised or amended standards and interpretations that have been issued but are not yet effective, we believe that the adoption of the following standards and interpretations will not have a material effect on our accounting policies: Amendments to IFRSs *Annual Improvements to IFRSs: 2014-2016 Cycle*, Amendments to IFRS 2 *Classification and Measurement of Share-based Payment Transactions*, Amendments to IFRS 4 *Applying IFRS 9*

*Financial Instruments with IFRS 4 Insurance Contracts, IFRS 9 Financial Instruments, Amendments to IFRS 9 and IFRS 7 Mandatory Effective Date of IFRS 9 and Transition Disclosures, Amendments to IFRS 10 and IAS 28 Sale or Contribution of Assets between an Investor and its Associate or Joint Venture, IFRS 15 Revenue from Contracts with Customers, Amendments to IFRS 15 Clarifications to IFRS 15 , IFRS 16 Leases, Amendments to IAS 7 Disclosure Initiative, Amendments to IAS 12 Recognition of Deferred Tax Assets for Unrealized Losses, Amendments to IAS 40 Transfers of investment property and IFRIC 22 Foreign Currency Transactions and Advance Consideration. We are currently evaluating the impact on our financial position and operating results as a result of the initial adoption of the following standards and interpretations: IFRS 9 Financial Instruments, IFRS 15 Revenue from Contracts with Customers, Amendments to IFRS 15 Clarifications to IFRS 15 “Revenue from Contracts with Customers”, Amendments to IFRS 10 and IAS 28 Sale or Contribution of Assets between an Investor and its Associate or Joint Venture and IFRS 16 Leases.*

Please refer to note 3 to our consolidated financial statements included in this annual report for more information.

### Critical Accounting Policies and Estimates

Preparation of our consolidated financial statements requires us to make estimates and judgments in applying our critical accounting policies that have a significant impact on the results we report in our consolidated financial statements. Our principal accounting policies and critical accounting judgments and key sources of estimation uncertainty are set forth in detail in note 4 and note 5, respectively, to our consolidated financial statements included in this annual report. We continually evaluate these estimates and assumptions. Actual results may differ from these estimates under different assumptions and conditions. Significant accounting policies are summarized as follows.

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**Revenue Recognition.** Revenue is measured at the fair value of the consideration received or receivable take into account of estimated customer returns, rebates and other similar allowances. Revenue from the sale of goods and real estate properties is recognized when the goods and real estate properties are delivered and titles have passed, at the time all the following conditions are satisfied:

· we have transferred to the buyer the significant risks and rewards of ownership of the goods and real estate properties;

· we retain neither continuing managerial involvement to the degree usually associated with ownership nor effective control over the goods and real estate properties sold;

· the amount of revenue can be reliably measured;

· it is probable that the economic benefits associated with the transaction will flow to us; and

· the costs incurred or to be incurred in respect of the transaction can be reliably measured.

Service income is recognized when services are rendered.

Our customers bear the title and risk of loss for those bare semiconductor wafers that we receive and package into finished semiconductors and/or those packaged semiconductors that we receive and test for performance specifications. Accordingly, the cost of customer-supplied semiconductor materials is not included in our consolidated financial statements.

A sales discount and return allowance is recognized in the period during which the sale is recognized, and is estimated based on historical experience, the management's judgment and relevant factors.

**Impairment of Accounts Receivable.** We periodically record a provision for doubtful accounts based on our evaluation of the collectability of our accounts receivable. We first assess whether objective evidence of impairment exists individually in each customer for account receivable, then includes in a group basis with historical collective experience and similar credit risk characteristics and collectively assess them for impairment. As of December 31, 2014, 2015 and 2016, the allowance we set aside for doubtful accounts was NT\$84.1 million , NT\$82.9 million and NT\$53.7 million (US\$1.7 million), respectively. Additional allowances may be required in the future if the financial condition of our customers or general economic conditions further deteriorate, and this additional allowance would reduce our net income.

***Inventories.*** Inventories are recorded at cost when acquired and stated at the lower of cost or net realizable values. Inventories are written down to net realizable value item by item, except for those that may be appropriate to group items of similar or related inventories. Materials received from customers for processing, mainly of semiconductor wafers, are excluded from inventories, as title and risk of loss remains with the customers. Net realizable value is the estimated selling prices of inventories less all estimated costs of completion and estimated costs necessary to make the sale. An allowance for loss on decline in market value and obsolescence is provided based on the difference between the cost of inventory and the estimated market value based upon assumptions about future demand and market conditions. Due to rapid technology advancements, we estimate the net realizable value of inventory for obsolete and unmarketable items at the balance sheet date and then write down the cost of inventories to net realizable value. There may be significant changes in the net realizable value of inventories, since our estimate of demand in a specific time period may vary from the actual demand.

***Realization of Deferred Tax Assets.*** Tax benefits arising from deductible temporary differences, unused tax credits and unused loss carry-forwards are recognized as deferred tax assets to the extent that it is probable that taxable profits will be available against which those deductible temporary differences can be utilized. We have considered future taxable income and ongoing prudent and feasible tax planning strategies in assessing the deferred tax assets. The carrying amounts of deferred tax assets are reviewed at each balance sheet date and reduced to the extent that it is no longer probable that sufficient taxable profits will be available to allow all or part of deferred tax assets to be utilized. A previously unrecognized deferred tax asset is also reviewed at each balance sheet date and recognized to the extent that it has become probable that future taxable profit will allow the deferred tax asset to be utilized. The realizability of deferred tax assets mainly depends on whether sufficient future profits or taxable temporary differences will be available. In cases where the actual future profits generated are less than expected, a material reversal of deferred tax assets may arise, which would be recognized in profit or loss for the period in which such a reversal takes place.

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***Impairment of Tangible and Intangible Assets Other than Goodwill.*** At each balance sheet date, we review the carrying amounts of the tangible and intangible assets, excluding goodwill, to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss. Recoverable amount is the higher of fair value less costs to sell and value in use. If the recoverable amount of an asset or cash-generating unit is estimated to be less than its carrying amount, the carrying amount of the asset or cash-generating unit is reduced to its recoverable amount. The process of evaluating the potential impairment of tangible and intangible assets other than goodwill requires significant judgment. We are required to make subjective judgments in determining the independent cash flows, useful lives, expected future revenue and expenses related to a specific asset group, taking its usage patterns and the nature of the semiconductor industry into consideration. Any changes in our estimates caused by changing economic conditions or business strategies could result in significant impairment charges in future periods.

In 2014, 2015 and 2016, we recognized impairment losses of NT\$297.8 million, NT\$258.1 million and NT\$888.2 million (US\$27.4 million), respectively, on property, plant and equipment. See notes 14 and 23 to our consolidated financial statements included in this annual report.

***Business Combinations and Acquisition of Material Associate.*** When we acquire businesses, goodwill is measured as the excess of the sum of the consideration transferred, the amount of any non-controlling interests in the acquiree, and the fair value of the acquirer's previously held equity interest in the acquiree (if any) over the net of the acquisition-date amounts of the identifiable assets acquired and the liabilities assumed. The allocation of the purchase price requires management to make significant estimates in determining the fair values of assets acquired and liabilities assumed, especially with respect to intangible assets. These estimates are based on historical experience, information obtained from the management of the acquired companies and independent external service providers' reports. These estimates can include, but are not limited to, the cash flows that an asset is expected to generate in the future, the appropriate weighted-average cost of capital, and the synergistic benefits expected to be derived from the acquired business. These estimates are inherently uncertain and unpredictable. In addition, unanticipated events and circumstances may occur, which may affect the accuracy or validity of such estimates.

For the associate accounted for using the equity method, goodwill is included within the carrying amount of the investment as of each investment date as the excess of cost of investments over the share acquired of the net fair value of the associate's identifiable assets acquired and the liabilities assumed at the respective investment dates. It involves critical accounting judgment and estimates when determining aforementioned fair values. We engaged independent external appraiser to identify and evaluate the associate's identifiable tangible assets, intangible assets and liabilities. The scope of such evaluation includes assumptions as current replacement cost of tangible assets, the categories of intangible assets and their expected economic benefits, growth rates and discount rates used in cash flow analysis. The amounts of differences between fair value of identified tangible and intangible assets and the carrying amount at each respective investment dates are depreciated or amortized over their remaining useful lives or expected future economic benefit lives.



For example, we acquired 33.29% shareholdings of SPIL in 2015 and 2016 and identified the differences between the cost of the investment and our share of the net fair value of SPIL's identifiable assets and liabilities in September 2016. We retrospectively adjusted the comparative financial statement for the year ended December 31, 2015. See notes 13 to our consolidated financial statements included in this annual report.

**Goodwill.** Goodwill is tested for impairment annually and we test for impairment more frequently if an event occurs or circumstances change that would indicate that the cash-generating unit may be impaired. Goodwill is tested for impairment by comparing the carrying amount of the cash-generating unit to which the goodwill has been allocated to its recoverable amount. Recoverable amount is defined as the higher of a cash-generating unit's fair value less costs to sell or its value in use, which is defined as the present value of the expected future cash flows generated by the cash-generating unit. In conducting the future cash flow valuation, we make assumptions about future operating cash flows, the discount rate used to determine present value of future cash flows, and capital expenditures. Future operating cash flows assumptions include sales growth assumptions, which are based on our historical trends and industry trends, and gross margin and operating expense growth assumptions, which are based on the historical relationship of those measures compared to sales and certain cost cutting initiatives. An impairment charge is incurred to the extent the carrying amount exceeds the recoverable amount. As of December 31, 2016, we had goodwill of NT\$10,558.9 million (US\$325.9 million). We did not recognize any impairment loss in 2014, 2015 and 2016. Our conclusion could, however, change in the future if actual results differ from our estimates and judgments under different assumptions and conditions.

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**Valuation of Investments.** We hold investments in the shareholdings of public and non-public entities. We evaluate these investments periodically for impairment based on market prices, if available, the financial condition of the investees and economic conditions in the industry and estimate of future cash inflows from disposal (net of transaction cost). These assessments usually require a significant amount of judgment, as a significant decline in the market price may be a short-term drop and may not be the best indicator of impairment. Whenever triggering events or changes in circumstances indicate that an investment may be impaired and carrying amount may not be recoverable, we measure the impairment based on the market prices, if available, or using market approach based on the financial result of the investments and estimate of future cash inflows from disposal (net of transaction cost). Several of the investments held by us are recognized as the equity method investments or available-for-sale financial assets. Any significant decline in the estimated future cash flows of the investments or financial assets could affect the value of the investment and indicate that an impairment charge may occur. In 2014, 2015 and 2016, we recognized impairment losses of NT\$10.4 million, nil and NT\$91.9 million (US\$2.8 million), respectively, on our investments. See note 23 to our consolidated financial statements included in this annual report.

## Results of Operations

The following table sets forth, for the periods indicated, financial data from our consolidated statements of comprehensive income, expressed as a percentage of operating revenues.

	Year Ended December 31,			
	2014	2015	(Retrospectively	2016
		Adjusted)		
Operating revenues	100.0%	100.0	%	100.0%
Packaging	47.3	41.2		45.6
Testing	10.1	8.9		9.8
Electronic manufacturing services	41.2	48.8		42.0
Others	1.4	1.1		2.6
Operating costs	(79.1 )	(82.3	)	(80.6 )
Gross profit	20.9	17.7		19.4
Operating expenses	(9.3 )	(8.9	)	(9.6 )
Other operating income and expenses, net	0.0	(0.1	)	(0.3 )
Profit from operations	11.6	8.7		9.5
Non-operating expense, net	(0.5 )	0.1		0.7
Profit before income tax	11.1	8.8		10.2
Income tax expense	(2.2 )	(1.5	)	(2.0 )
Profit for the year	8.9 %	7.3	%	8.2 %
Attributable to				
Owners of the Company	8.7 %	7.0	%	7.8 %
Non-controlling interests	0.2	0.3		0.4

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	8.9	%	7.3	%	8.2	%
Other comprehensive income, net of income tax	2.2		0.0		(2.9	)
Total comprehensive income for the year	11.1	%	7.3	%	5.3	%
Attributable to						
Owners of the Company	10.7	%	7.0	%	5.1	%
Non-controlling interests	0.4		0.3		0.2	
	11.1	%	7.3	%	5.3	%

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The following table sets forth, for the periods indicated, the gross margins for our packaging, testing services and electronic manufacturing services and our total gross margin. Gross margin is calculated by dividing gross profits by operating revenues.

	Year Ended December 31, 2014 2015 2016 (percentage of operating revenues)		
Gross profit			
Packaging	27.2%	26.0%	22.8%
Testing	37.2	35.8	36.9
Electronic manufacturing services	8.6	6.8	9.7
Overall	20.9%	17.7%	19.4%

The following table sets forth, for the periods indicated, a breakdown of our total operating costs and operating expenses, expressed as a percentage of operating revenues.

	Year Ended December 31, 2014 2015 2016 (percentage of operating revenues)		
Operating costs			
Raw materials	45.6%	50.0%	45.5%
Labor	13.0	12.3	13.0
Depreciation, amortization and rental expense	9.9	10.0	10.3
Others	10.6	10.0	11.8
Total operating costs	79.1%	82.3%	80.6%
Operating expenses			
Selling	1.3 %	1.3 %	1.3 %
General and administrative	4.0	3.8	4.2
Research and development	4.0	3.8	4.1
Total operating expenses	9.3 %	8.9 %	9.6 %

Year ended December 31, 2016 Compared to Year Ended December 31, 2015

**Operating Revenues.** Operating revenues decreased 3.0% to NT\$274,884.1 million (US\$8,484.1 million) in 2016 from NT\$283,302.5 million in 2015, primarily due to a decrease in revenues from our electronic manufacturing services business. Packaging revenues increased 7.4% to NT\$125,282.8 million (US\$3,866.8 million) in 2016 from NT\$116,607.3 million in 2015, primarily due to an increase in demand for our Bumping, Flip Chip, WLP & Sip and

IC wirebonding products. Testing revenues increased 7.3% to NT\$27,031.8 million (US\$834.3 million) in 2016 from NT\$25,191.9 million in 2015, primarily due to an increase in sales volume of our testing business. Revenues from our electronic manufacturing services business decreased 16.5% to NT\$115,395.1 million (US\$3,561.6 million) in 2016 from NT\$138,242.1 million in 2015, primarily due to a decrease in the outsourced orders for communications and consumer products.

**Gross Profit.** Gross profit increased 6.1% to NT\$53,194.2 million (US\$1,641.8 million) in 2016 from NT\$50,135.2 million in 2015. Our gross profit as a percentage of operating revenues, or gross margin, was 19.4% in 2016 compared to 17.7% in 2015. The increase was primarily due to a decline of our electronic manufacturing services business with a lower gross margin. Raw material costs in 2016 were NT\$125,133.8 million (US\$3,862.2 million) compared to NT\$141,778.8 million in 2015. As a percentage of operating revenues, raw material costs decreased to 45.5% in 2016 from 50.0% in 2015 primarily due to a decrease in orders in our electronic manufacturing services business, which required relatively higher raw material costs compared to our other businesses. Labor cost in 2016 was NT\$35,588.5 million (US\$1,098.4 million) compared to NT\$34,720.4 million in 2015. As a percentage of operating revenues, labor cost increased to 13% in 2016 from 12.3% in 2015 primarily due to the decline of our operating revenues. Depreciation, amortization and rental expenses were NT\$28,117.6 million (US\$867.8 million) in 2016 compared to NT\$28,191.8 million in 2015. As a percentage of operating revenues, depreciation, amortization and rental expenses increased to 10.3% in 2016 from 10.0% in 2015. Our gross margin for our packaging business decreased to 22.8% in 2016 from 26.0% in 2015, primarily due to a decrease in the sale of products with higher gross margins. Our gross margin for our testing business increased to 36.9% in 2016 from 35.8% in 2015 primarily due to a decrease in depreciation expenses as a percentage of testing revenues. Our gross margin for our electronic manufacturing services business increased to 9.7% in 2016 from 6.8% in 2015 primarily due to a decrease in the sale of products with lower gross margins.

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**Profit from operations.** Profit from operations increased 5.2% to NT\$25,908.2 million (US\$799.6 million) in 2016 compared to NT\$24,633.1 million in 2015. Our profit from operations as a percentage of operating revenues, or operating margin, increased to 9.5% in 2016 from 8.7% in 2015 primarily due to an increase in gross margin. Operating expenses increased 4.9% to NT\$26,485.7 million (US\$817.5 million) in 2016 compared to NT\$25,250.6 million in 2015. The increase in operating expenses was primarily due to an increase in general and administrative expense, as well as research and development expense. General and administrative expense increased 8.7% to NT\$11,662.1 million (US\$359.9 million) in 2016 from NT\$10,724.6 million in 2015, primarily due to an increase in our professional fees incurred in relation to various investment strategies and an increase in salary expenses in connection with the cost related to stock options granted in the fourth quarter of 2015 and recognized in 2016. General and administrative expense as a percentage of our operating revenues was 4.2% in 2016, compared to 3.8% in 2015. Research and development expense increased 4.1% to NT\$11,391.1 million (US\$351.6 million), accounting for 4.1% of operating revenues in 2016, compared to NT\$10,937.5 million, accounting for 3.8% of operating revenues in 2015. This increase in the research and development expense was primarily due to an increase in salary expenses in relation to stock options granted in the fourth quarter of 2015 and recognized in 2016. Selling expense decreased 4.3% to NT\$3,432.5 million (US\$105.9 million) in 2016 from NT\$3,588.5 million in 2015. This decrease was primarily due to a decrease in amortization expenses in connection with intangible assets acquired in prior mergers. Selling expense as a percentage of operating revenues was 1.3% in both 2016 and 2015. We had a net other operating expense of NT\$800.3 million (US\$24.7 million) in 2016 compared to a net other operating expense of NT\$251.5 million in 2015. The increase in net other operating expense was primarily due to an increase in impairment loss on property, plant and equipment.

**Non-Operating Expense, Net.** We had a net non-operating income of NT\$2,116.9 million (US\$65.4 million) in 2016 compared to a net non-operating income of NT\$378.7 million (adjusted) in 2015. This increase was primarily due to (i) an increase in non-operating income due to the change in the net loss on valuation of financial assets and liabilities and net foreign exchange loss which resulted in an increase in net gain from NT\$1,759.6 million in 2015 to NT\$2,375.9 million (US\$73.3 million) in 2016 and (ii) an increase in non-operating income due to the increase in the income earned from equity method investments from the profit of NT\$126.3 million in 2015 to the profit of NT\$1,512.2 million (US\$46.7 million) in 2016, partially offset by a decrease in non-operating income due to a decrease in dividends income from NT\$397.0 million in 2015 to NT\$26.4 million (US\$0.8 million) in 2016.

**Net Profit.** Net profit, excluding non-controlling interests, increased 8.3% to NT\$21,361.6 million (US\$659.3 million) in 2016 compared to NT\$19,732.1 million (adjusted) in 2015. Our diluted earnings per ADS decreased to NT\$11.67 (US\$0.36) in 2016 compared to diluted earnings per ADS of NT\$12.38 in 2015. Our income tax expense increased 25% to NT\$5,390.8 million (US\$166.4 million) in 2016 compared to NT\$4,311.1 million in 2015, primarily due to an increase in income tax on undistributed earnings and an increase in income tax of our real estate business which generated more operating revenues in 2016.

Year ended December 31, 2015 Compared to Year Ended December 31, 2014

**Operating Revenues.** Operating revenues increased 10.4% to NT\$283,302.5 million in 2015 from NT\$256,591.4 million in 2014, primarily due to an increase in revenues from our electronic manufacturing services business. Packaging revenues decreased 3.9% to NT\$116,607.3 million in 2015 from NT\$121,336.5 million in 2014. Testing revenues decreased 2.6% to NT\$25,191.9 million in 2015 from NT\$25,874.7 million in 2014. Revenues from our electronic manufacturing services business increased 30.7% to NT\$138,242.1 million in 2015 from NT\$105,784.4 million in 2014. The decrease in packaging and testing revenues was primarily due to slightly soft demand in the end-application market. The increase in the revenues from our electronic manufacturing services business was primarily due to an increase in the outsourced orders for communications and consumer products.

**Gross Profit.** Gross profit decreased 6.4% to NT\$50,135.2 million in 2015 from NT\$53,588.5 million in 2014. Our gross profit as a percentage of operating revenues, or gross margin, was 17.7% in 2015 compared to 20.9% in 2014. The decrease was primarily due to the growth in our electronic manufacturing services business with a lower gross margin. Raw material costs in 2015 were NT\$141,778.8 million compared to NT\$116,998.6 million in 2014. As a percentage of operating revenues, raw material costs increased to 50.0% in 2015 from 45.6% in 2014 primarily due to an increase in orders in our electronic manufacturing services business, which required relatively higher raw material costs compared to our other businesses. Depreciation, amortization and rental expenses were NT\$28,191.8 million in 2015 compared to NT\$25,386.7 million in 2014. As a percentage of operating revenues, depreciation, amortization and rental expenses increased to 10.0% in 2015 from 9.9% in 2014 due to a decrease in our packaging and testing revenues. Labor cost in 2015 was NT\$34,720.4 million compared to NT\$33,243.2 million in 2014. As a percentage of operating revenues, labor cost decreased to 12.3% in 2015 from 13.0% in 2014 primarily due to the growth of our operating revenues. Our gross margin for our packaging business decreased to 26.0% in 2015 from 27.2% in 2014 due to an increase in labor costs and depreciation expenses as a percentage of packaging revenue, partially offset by a decrease in raw material costs as a percentage of packaging revenues. Our gross margin for our testing business decreased to 35.8% in 2015 from 37.2% in 2014 primarily due to an increase in depreciation expenses as a percentage of testing revenues. Our gross margin for our electronic manufacturing services business decreased to 6.8% in 2015 from 8.6% in 2014 primarily due to an increase in the sale of products with lower gross margins.

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**Profit from operations.** Profit from operations decreased 17.5% to NT\$24,633.1 million in 2015 compared to NT\$29,874.5 million in 2014. Our profit from operations as a percentage of operating revenues, or operating margin, decreased to 8.7% in 2015 from 11.6% in 2014 primarily due to a decrease in gross margin. Operating expenses increased 5.5% to NT\$25,250.6 million in 2015 compared to NT\$23,942.7 million in 2014. The increase in operating expenses was primarily due to an increase in general and administrative expense, as well as research and development expense. General and administrative expense increased 5.0% to NT\$10,724.6 million in 2015 from NT\$10,214.8 million in 2014, primarily due to the professional service fees incurred from our strategic investments in 2015, including that incurred for the Initial SPIL Tender Offer and Second SPIL Tender Offer. General and administrative expense as a percentage of our operating revenues was 3.8% in 2015, compared to 4.0% in 2014. Research and development expense increased 6.3% to NT\$10,937.5 million, accounting for 3.8% of operating revenues in 2015, compared to NT\$10,289.7 million, accounting for 4.0% of operating revenues in 2014. This increase in the research and development expense was primarily due to an increase in salary expenses from increased headcounts. Selling expense increased 4.4% to NT\$3,588.5 million in 2015 from NT\$3,438.2 million in 2014. This increase was primarily due to an increase in salary and bonus expenses primarily due to salary raises. Selling expense as a percentage of operating revenues was 1.3% in both 2015 and 2014. We had a net other operating expense of NT\$251.5 million in 2015 compared to a net other operating income of NT\$228.7 million in 2014. The increase in net other operating expense was primarily due to (i) the reversal of the settlement with Tessera in relation to patent infringement claims in the amount of US\$3.0 million in the fourth quarter of 2014 due to the reduction of the final settlement amount from US\$30.0 million to US\$27.0 million and (ii) the receipt of direct reimbursement from Citibank, N.A., the depository bank for our ADR programs, in the amount of US\$4.1 million (net of U.S. withholding tax) in 2014.

**Non-Operating Expense, Net.** We had a net non-operating income of NT\$378.7 million (adjusted) in 2015 compared to a net non-operating expense of NT\$1,339.4 million in 2014. This increase was primarily due to (i) an increase in non-operating income due to the change in the net gain/loss on valuation of financial assets and liabilities and net foreign exchange gain/loss which resulted in an increase in net gain from NT\$616.9 million in 2014 to NT\$1,759.6 million in 2015, (ii) an increase in non-operating income due to the increase in the income earned from equity method investments from the loss of NT\$121.9 million in 2014 to the profit of NT\$126.2 million (adjusted) in 2015 and (iii) an increase in non-operating income due to an increase in dividends income from NT\$101.3 million in 2014 to NT\$397.0 million in 2015.

**Net Profit.** Net profit, excluding non-controlling interests, decreased 11.2% to NT\$19,732.1 million (adjusted) in 2015 compared to NT\$22,228.6 million in 2014. Our diluted earnings per ADS decreased to NT\$12.38 in 2015 compared to diluted earnings per ADS of NT\$13.93 in 2014. Our income tax expense decreased 23.9% to NT\$4,311.1 million in 2015 compared to NT\$5,666.0 million in 2014, primarily due to a decrease in the income tax on undistributed earnings.

#### Quarterly Operating Revenues, Gross Profit and Gross Margin

The following table sets forth our unaudited consolidated operating revenues, gross profit and gross margin for the quarterly periods indicated. The unaudited quarterly results reflect all adjustments, consisting of normal recurring adjustments, that, in the opinion of management, are necessary for a fair presentation of the amounts, on a basis



consistent with the audited consolidated financial statements included elsewhere in this annual report. You should read the following table in conjunction with the audited consolidated financial statements and related notes included elsewhere in this annual report. Our operating revenues, gross profit and gross margin for any quarter are not necessarily indicative of the results for any future period. Our quarterly operating revenues, gross profit and gross margin may fluctuate significantly.

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	Quarter Ended							
	Mar. 31, 2015 NT\$	Jun. 30, 2015 NT\$	Sept. 30, 2015 NT\$	Dec. 31, 2015 NT\$	Mar. 31, 2016 NT\$	Jun. 30, 2016 NT\$	Sept. 30, 2016 NT\$	Dec. 31, 2016 NT\$
	(in millions)							
Consolidated Operating Revenues								
Packaging	29,320.9	28,617.8	29,575.1	29,093.5	28,036.1	30,177.6	33,448.6	33,620.5
Testing	6,179.5	6,230.8	6,425.7	6,355.9	5,995.3	6,502.1	7,231.5	7,302.9
Electronic manufacturing services	28,300.1	34,534.0	36,107.2	39,300.8	24,748.8	24,845.3	31,174.4	34,626.6
Others	861.6	839.2	762.4	798.0	3,590.9	1,075.7	929.2	1,578.6
Total	64,662.1	70,221.8	72,870.4	75,548.2	62,371.1	62,600.7	72,783.7	77,128.6
Consolidated Gross Profit								
Packaging	7,543.2	7,226.2	7,809.7	7,769.4	5,579.4	6,711.6	7,750.8	8,482.7
Testing	2,121.7	2,190.7	2,321.6	2,391.7	1,971.0	2,395.6	2,809.9	2,804.1
Electronic manufacturing services	2,238.3	1,779.7	2,567.5	2,847.9	1,996.6	2,533.2	3,113.2	3,591.8
Others	410.2	368.7	288.8	259.9	1,902.3	614.5	439.0	498.5
Total	12,313.4	11,565.3	12,987.6	13,268.9	11,449.3	12,254.9	14,112.9	15,377.1
Consolidated Gross Profit (%)								
Packaging	25.7	% 25.3	% 26.4	% 26.7	% 19.9	% 22.2	% 23.2	% 25.2
Testing	34.3	35.2	36.1	37.6	32.9	36.8	38.9	38.4
Electronic manufacturing services	7.9	5.2	7.1	7.2	8.1	10.2	10.0	10.4
Overall	19.0	% 16.5	% 17.8	% 17.6	% 18.4	% 19.6	% 19.4	% 19.9

Our results of operations are affected by seasonality. In general, our first quarter operating revenues have historically decreased over the preceding fourth quarter, primarily due to the combined effects of holidays in the United States, Taiwan and elsewhere in Asia. Moreover, the increase or decrease in operating revenues of a particular quarter as compared with the immediately preceding quarter varies significantly. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Our operating results are subject to significant fluctuations, which could adversely affect the market value of your investment.”

## Exchange Rate Fluctuations

For quantitative and qualitative disclosure of our exposure to foreign currency exchange rate risk, see “Item 11. Quantitative and Qualitative Disclosures about Market Risk—Market Risk—Foreign Currency Exchange Rate Risk.”

## Taxation

The corporate income tax rate in the ROC decreased from 25% to 17%, effective since January 1, 2010. The ROC Statute for Upgrading Industries, which provided various tax incentives including investment tax credits, tax exemptions and tax holidays for companies, expired on December 31, 2009. Under this statute, we had been granted tax holidays covering the portion of our income attributable to eligible machinery and equipment that were procured with cash infusions from our shareholders or after the capitalization of retained earnings through the issuance of stock dividends, and tax credits of 7% for the purchase of qualifying manufacturing equipment. We can continue to enjoy the tax holidays that have been granted to us by the ROC tax authority. On April 16, 2010, the Legislative Yuan of ROC passed the Industrial Innovation Act, effective from January 1, 2010 to December 31, 2019. Under the prevailing Industrial Innovation Act, a profit-seeking enterprise may deduct up to (i) 15% of its research and

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development expenditures from its income tax payable for the fiscal year in which these expenditures are incurred; or (ii) 10% of its research and development expenditures from its income tax payable for the fiscal year in which these expenditures are incurred or the following two years. However, the deduction may not exceed 30% of the income tax payable for that fiscal year. Under the Alternative Minimum Tax Act (the "AMT Act") which took effect on January 2006 and was amended in August 2012, when the amount of the regular income tax calculated pursuant to the AMT Act is below the amount of the alternative minimum tax, or the AMT, a taxpayer is required to pay the difference between the AMT and the said regular income tax, which becomes the AMT payable. Taxable income for calculating the AMT includes most sources of income that are exempted from income tax under various legislations such as tax holidays. However, there are grandfathered treatments for the tax holidays approved by the tax authority before the AMT Act took effect. Under the amended AMT Act, the standard deduction for taxable income that applies to business entities decreased from NT\$2.0 million to NT\$0.5 million and the tax rate that applies to business entities increased from 10% to 12%. The amendment to the AMT Act became effective on January 1, 2013.

As of December 31, 2016, we had two five-year tax holidays on income derived from a portion of our operations in Kaohsiung, Taiwan, which will expire through 2018 and 2022, respectively. In addition, some of our subsidiaries, such as ASE Test Taiwan and ASE Electronics, are entitled to certain tax exemptions on income derived from a portion of their respective operations, which will expire through 2018, 2020 and 2022, respectively. The aggregate tax benefits of such exemptions for the years ended December 31, 2014, 2015 and 2016 were NT\$623.7 million, NT\$538.0 million and NT\$700.3 million (US\$21.6 million), respectively. The effect of such tax exemption on basic earnings per share for the year ended December 31, 2014, 2015 and 2016 were NT\$0.08, NT\$0.07 and, NT\$0.09 (US\$0.00), respectively.

In addition, since we have facilities located in special export zones such as the Nantze Export Processing Zone in Taiwan, we enjoy exemptions from various import duties, commodity taxes and business taxes on imported machinery, equipment, raw materials and components which are directly used for manufacturing finished goods. We also enjoy exemptions from commodity and business taxes on finished goods exported or sold to others within the zones.

Under the ROC Income Tax Act, after January 1998, all earnings generated in a year which are not distributed to shareholders as dividends in the following year will be assessed a 10% undistributed earnings tax. As a result, if we do not distribute all of our annual earnings as either cash or stock dividends in the following year, these undistributed earnings will be subject to the 10% undistributed earnings tax. However, when we declare a dividend out of those undistributed earnings on which the 10% undistributed earnings tax had been paid, up to 5% of such undistributed earnings tax may be credited against the withholding tax imposed on the dividends.

In 2015, our effective income tax rate decreased to 17% from 20% in 2014 primarily due to a decrease in undistributed earnings tax. In 2016, our effective income tax rate increased to 19% from 17% in 2015 primarily due to an increase in undistributed earnings tax and an increase in income tax of our real estate business which generated more operating revenues in 2016. We believe that our future estimated taxable income will be sufficient to utilize our deferred tax assets recorded as of December 31, 2016.

Our non-ROC subsidiaries are subject to taxation in their respective jurisdiction.

#### Inflation

We do not believe that inflation in Taiwan or elsewhere has had a material impact on our results of operations.

#### LIQUIDITY AND CAPITAL RESOURCES

We have historically been able to satisfy our working capital needs from our cash flow from operations. We have historically funded our capacity expansion from internally generated cash and, to the extent necessary, the issuance of equity securities and borrowings. If adequate funds are not available on satisfactory terms, we may be forced to curtail our expansion plans. Moreover, our ability to meet our working capital needs from cash flow from operations will be affected by the demand for our packaging, testing services and electronic manufacturing services, which in turn may be affected by several factors. Many of these factors are outside of our control, such as economic downturns and declines in the prices of our services or products caused by a downturn in the industry. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Our operating results are subject to significant fluctuations, which could adversely affect the market value of your investment.” To the extent we do not generate sufficient cash flow from our operations to meet our cash requirements, we will have to rely on external financing.

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Net cash provided by operating activities amounted to NT\$52,107.9 million (US\$1,608.3 million) in 2016 primarily as a result of (i) our operation performance with profit before income tax of NT\$28,025.1 million (US\$865.0 million) and (ii) our non-cash depreciation and amortization in the amount of NT\$29,422.3 million (US\$908.1 million). Net cash provided by operating activities amounted to NT\$57,548.3 million in 2015 primarily as a result of (i) our operation performance with profit before income tax of NT\$25,011.8 million (adjusted) and (ii) our non-cash depreciation and amortization in the amount of NT\$29,518.7 million. Net cash provided by operating activities amounted to NT\$45,863.5 million in 2014, primarily as a result of (i) our operation performance with profit before income tax of NT\$28,535.1 million and (ii) our non-cash depreciation and amortization in the amount of NT\$26,350.8 million. The decrease in net cash provided by operating activities in 2016 compared to 2015 was primarily due to cash outflows from trade receivables, partially offset by cash inflows from a decrease in inventories. The increase in net cash provided by operating activities in 2015 compared to 2014 was primarily due to cash inflows from a decrease in trade receivables, partially offset by cash outflows from a decrease in trade payables.

Net cash used in investing activities amounted to NT\$ 43,159.5 million (US\$ 1,332.1 million) in 2016 primarily due to our acquisition of property, plant and equipment of NT\$ 26,714.2 million (US\$ 824.5 million) and our acquisition of associates and joint ventures of NT\$ 16,041.5 million (US\$ 495.1 million). Net cash used in investing activities amounted to NT\$63,351.4 million in 2015 primarily due to our acquisition of associates and joint ventures of NT\$35,673.1 million and our acquisition of property, plant and equipment of NT\$30,280.1 million. Net cash used in investing activities amounted to NT\$38,817.9 million in 2014, primarily due to our acquisition of property, plant and equipment of NT\$39,599.0 million.

Net cash used in financing activities amounted to NT\$21,087.0 million (US\$650.8 million) in 2016. This amount reflected primarily (i) our distributed cash dividends to owners of the Company in the amount of NT\$12,243.8 million (US\$377.9 million); (ii) our net repayment of short-term bank loans and bills payable and long-term bank loans and bills payable in the amount of NT\$5,630.3 million (US\$173.8 million); (iii) decrease in non-controlling interests in the amount of NT\$3,063.6 million (US\$94.6 million) due to Universal Scientific's restructuring; and (iv) the net repayment of bonds payable in the amount of NT\$1,365.1 million (US\$42.1 million). Net cash provided by financing activities amounted to NT\$8,636.3 million in 2015. This amount reflected primarily (i) our net proceeds from short-term bank loans and bills payable and long-term bank loans and bills payable in the amount of NT\$12,776.2 million; (ii) the net proceeds from the 2018 NTD-linked Convertible Bonds of NT\$6,136.4 million and (iii) our proceeds from partial disposal of interests in subsidiaries of NT\$8,910.3 million, which was partially offset by (i) our distributed cash dividends to owners of the Company in the amount of NT\$15,297.5 million and (ii) our payments for repurchases of treasury shares of NT\$5,333.4 million. Net cash used in financing activities amounted to NT\$2,797.0 million in 2014. This amount reflected primarily (i) our net repayment of short-term borrowings and long-term bank loans in the amount of NT\$12,389.7 million; and (ii) our distributed cash dividends to owners of the Company in the amount of NT\$9,967.2 million, partially offset by (i) our net proceeds from issue of bonds of NT\$8,158.8 million; and (ii) change in non-controlling interests of NT\$9,905.7 million due to Universal Scientific Shanghai's capital increase.

As of December 31, 2016, our primary source of liquidity was NT\$38,392.5 million (US\$1,185.0 million) of cash and cash equivalents and NT\$3,336.5 million (US\$103.0 million) of financial assets—current. Our financial assets—current primarily consisted of structured time deposits and swap contracts. As of December 31, 2016, we had total unused credit lines of NT\$176,185.0 million (US\$5,437.8 million). As of December 31, 2016, we had working capital of NT\$35,820.1 million (US\$1,105.6 million).

As of December 31, 2016, we had total borrowings of NT\$111,651.5 million (US\$3,446.0 million), of which NT\$20,955.5 million (US\$646.8 million) were short-term debts and NT\$90,696.0 million (US\$2,799.2 million) were long-term debts. In 2016, the maximum amount of our short-term debts was NT\$45,182.1 million (US\$1,394.5 million) and the average amount of our short-term debts was NT\$32,688.7 million (US\$1,008.9 million). The fluctuation was primarily because our working capital balance fluctuated during 2016 from time to time. The annual interest rate for borrowings under our short-term bank loans and bills payable ranged from 0.70% to 8.99% as of December 31, 2016. Our short-term bank loans are primarily revolving facilities with a term of one year, each of which may be extended on an annual basis with lender consent. Our long-term debts consist of bank loans, bills payable, bonds payable and capital lease obligations. As of December 31, 2016, we had outstanding long-term debts, less current portion, of NT\$74,354.9 million (US\$2,294.9 million). As of December 31, 2016, the current portion of our long-term debts was NT\$16,341.1 million (US\$504.3million). Our long-term bank loans and bills payable typically carried variable annual interest rates which ranged between 0.74% to 5.39% as of December 31, 2016. For the maturity information and interest rates by currencies, see “Item 11—Quantitative and Qualitative Disclosures about Market Risk—Market Risk—Interest Rate Risk.”

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We have pledged a portion of our assets, with a carrying value of NT\$17,033.3 million (US\$525.7 million) as of December 31, 2016, to secure our obligations under our short-term and long-term facilities.

In August 2011, we issued NT\$8.0 billion 1.45% secured corporate bonds with five year term, guaranteed by the Bank of Taiwan, Mega International Commercial Bank, Taiwan Cooperative Bank, First Bank and Hua Nan Bank. The Corporate Bonds bear an annual simple interest and payment by coupon rate from the issue date. The Corporate Bonds matured and were repaid in August 2016. The net proceeds from the Corporate Bonds were used to repay our previous debts.

In September 2011, Anstock Limited, our wholly owned subsidiary incorporated in the Cayman Islands with limited liability, issued RMB150.0 million 3.125% Guaranteed Bonds due September 22, 2014 and RMB500.0 million 4.250% Guaranteed Bonds due September 20, 2016. The 2014 Bonds and 2016 Bonds were offered to certain non-U.S. persons in compliance with Regulation S under the Securities Act. The 2014 and 2016 Bonds are irrevocably and unconditionally guaranteed on an unsecured and unsubordinated basis by us. The 2014 Bonds matured and were repaid on September 22, 2014. The 2016 Bonds bear interest from and including September 20, 2011 at the rate of 4.250% per annum. Interest on the 2016 Bonds is payable semi-annually in arrears on September 20 and March 20 of each year beginning on March 20, 2012. The 2016 Bonds matured and were repaid on September 20, 2016. The net proceeds from the 2014 and 2016 Bonds were advanced by Anstock Limited to ASES AT in the form of an intercompany RMB loan for working capital and capital expenditure with maturity in September 2016.

In September 2013, we issued US\$400.0 million aggregate principal amount of zero coupon convertible bonds due 2018. The 2018 Convertible Bonds were offered to persons outside of the United States in compliance with Regulation S under the Securities Act. The initial conversion price was NT\$33.085 per common share, subject to certain adjustments, determined on the basis of a fixed exchange rate of NT\$29.956 = US\$1.00 (which represents an approximately 31.3% conversion premium over the closing trading price of our common shares on August 28, 2013 of NT\$25.20 per common share). The conversion price is subject to adjustment upon the occurrence of certain events, such as the Capital Increase and cash dividend distribution. As of the date of this annual report, the conversion price is NT\$28.96 per common share. The bonds will mature on September 5, 2018, unless previously repurchased or converted in accordance with their terms prior to such date. We used the net proceeds to fund procurement of raw materials from overseas. Please refer to note 19 of our consolidated financial statements included in this annual report for more information. As of December 31, 2016, the balance of the outstanding convertible bonds was US\$400.0 million.

In July 2014, Anstock II Limited offered US\$300.0 million aggregate principal amount of guaranteed bonds due 2017. The Green Bonds are unconditionally and irrevocably guaranteed by us. The Green Bonds were offered to persons outside of the United States in compliance with Regulation S under the Securities Act. The Green Bonds bear interest from and including July 24, 2014 at the rate of 2.125% per annum. Interest on the Green Bonds is payable semi-annually in arrears on January 24 and July 24 of each year beginning on January 24, 2015. The Green Bonds will mature on July 24, 2017 unless previously redeemed or repurchased and cancelled. The net proceeds from the Green



Bonds offering were used to fund projects that promote our transition to low-carbon and climate-resilient growth.

In July 2015, we issued US\$200.0 million aggregate principal amount of NTD-linked zero coupon convertible bonds due 2018. The 2018 NTD-linked Convertible Bonds were offered to persons outside of the United States in compliance with Regulation S under the Securities Act. The initial conversion price was NT\$54.5465 per common share, subject to certain adjustments, determined on the basis of a fixed exchange rate of NT\$30.928 = US\$1.00 (which represents an approximately 27.0% conversion premium over the closing trading price of our common shares on June 25, 2015 of NT\$42.95 per common share). The conversion price is subject to adjustment upon the occurrence of certain events, such as the cash dividend distribution. As of the date of this annual report, the conversion price is NT\$49.48 per common share. The bonds will mature on March 27, 2018, unless previously repurchased or converted in accordance with their terms prior to such date. We used the net proceeds to fund procurement of equipment from overseas. Please refer to note 19 of our consolidated financial statements included in this annual report for more information. As of December 31, 2016, the balance of the outstanding convertible bonds was US\$200.0 million.

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In January 2016, we issued NT\$7,000.0 million 1.30% unsecured corporate bonds with five year term and NT\$2,000.0 million 1.50% unsecured corporate bonds with seven year term. The bonds bear an annual simple interest and payment by coupon rate from the issue date. The net proceeds from the bonds were used to repay our previous debts.

In January 2017, we issued NT\$3,700.0 million (US\$114.2 million) 1.25% unsecured corporate bonds with five year term and NT\$4,300.0 million (US\$132.7 million) 1.45% unsecured corporate bonds with seven year term. The bonds bear an annual simple interest and payment by coupon rate from the issue date. The net proceeds from the bonds were used to repay our previous debts.

In March 2017, we granted rights to the record holders of our existing common shares to subscribe for an aggregate of 240,000,000 of our common shares, par value NT\$10.0 per share (the “Rights Offering”). Substantially concurrently with the Rights Offering, we also offered 30,000,000 of our common shares to our employees (the “Employee Offering”) and offered 30,000,000 of our common shares to the public in Taiwan (the “Taiwan Public Offering”, together with the Rights Offering and the Employee Offering, the “Capital Increase”). A total of 300,000,000 of our common shares were offered under the Capital Increase, which were fully subscribed and raised NT\$10,290.0 million (US\$317.6 million). The net proceeds of the Capital Increase were used to repay our previous debts. Both the Employee Offering and the Taiwan Public Offering were made pursuant to an offer exempt from registration with the SEC pursuant to Regulation S of the Securities Act.

We currently have one syndicated loan agreement outstanding. In July 2013, we entered into a US\$400.0 million five-year syndicated credit facility, for which the Bank of Taiwan acted as the agent bank, for the purpose of funding the purchase of machinery and equipment at our facility and funding general operations. As of December 31, 2016, NT\$9,223.5 million (US\$284.7 million) was outstanding under this credit facility. This syndicated loan agreement contains undertakings and restrictive covenants relating to the maintenance of certain financial ratios including: (i) current ratio (current assets to current liabilities) of not less than 100.0%; (ii) leverage ratio (total liabilities to tangible net worth) of not higher than 160.0%; (iii) interest coverage ratio (EBITDA to interest expense) of not less than 280.0%; and (iv) tangible net worth not less than NT\$75,000.0 million.

We have in the past failed to comply with certain financial covenants in some of our loan agreements. Such non-compliance may also have, through broadly worded cross-default provisions, resulted in default under some of the agreements governing our other existing debt. As of December 31, 2016, we were not in breach of any of the financial covenants under our existing loan agreements. If we are unable to timely remedy any of our non-compliance under such loan agreements or obtain applicable waivers or amendments, we would breach our financial covenants and our financial condition would be adversely affected. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Restrictive covenants and broad default provisions in our existing debt agreements may materially restrict our operations as well as adversely affect our liquidity, financial condition and results of operations.”

Our contingent obligations consist of guarantees provided by us to our subsidiaries. As of December 31, 2016, we endorsed and guaranteed the bonds issued by our subsidiaries, Anstock II Limited, in the amount of US\$306.4 million. Other than such guarantees, we have no other contingent obligations.

We have made, and expect to continue to make, substantial capital expenditures in connection with the expansion of our production capacity. The table below sets forth our principal capital expenditures incurred for the periods indicated.

	Year Ended December 31,			US\$
	2014	2015	2016	
	NT\$	NT\$	NT\$	
	(in millions)			
Machinery and equipment	31,735.5	18,318.4	21,978.3	678.3
Building and improvements	11,713.1	9,962.4	5,702.6	176.0
Total	43,448.6	28,280.8	27,680.9	854.3

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We had commitments for capital expenditures of approximately US\$204.7 million, of which US\$20.6 million had been paid as of December 31, 2016, primarily in connection with the expansion of our packaging and testing services operations. We estimate that our environmental capital expenditures for 2017 will be approximately US\$14.7 million, of which 13.9% will be used in climate change adaptation. We may adjust our capital expenditures based on market conditions, the progress of our expansion plans and cash flow from operations. In addition, due to the rapid changes in technology in the semiconductor industry, we frequently need to invest in new machinery and equipment, which may require us to raise additional capital. We cannot assure you that we will be able to raise additional capital should it become necessary on terms acceptable to us or at all. See “Item 3. Key Information—Risk Factors—Risks Relating to Our Business—The packaging and testing businesses are capital intensive. If we cannot obtain additional capital when we need it, our growth prospects and future profitability may be adversely affected.”

We believe that our existing cash, marketable securities, expected cash flow from operations and existing credit lines under our loan facilities will be sufficient to meet our capital expenditures, working capital, cash obligations under our existing debt and lease arrangements, and other requirements for at least the next 12 months. We currently hold cash primarily in U.S. dollars, RMB, New Taiwan dollars, Korean Won and Japanese yen. As of December 31, 2016, we had contractual obligations of NT\$83,793.3 million (US\$2,586.2 million) due in the next three years. We currently expect to meet our payment obligations through the expected cash flow from operations, long-term borrowings and the issuance of additional equity or equity-linked securities. We will continue to evaluate our capital structure and may decide from time to time to increase or decrease our financial leverage through equity offerings or borrowings. The issuance of additional equity or equity-linked securities may result in additional dilution to our shareholders.

From time to time, we evaluate possible investments, acquisitions or divestments and may, if a suitable opportunity arises, make an investment, acquisition or divestment.

Our treasury team, under the supervision of our chief financial officer, is responsible for setting our funding and treasury policies and objectives. Our exposure to financial market risks relates primarily to changes in interest rates and foreign currency exchange rates. To mitigate these risks, we utilize derivative financial instruments, the application of which is primarily to manage these exposures, and not for speculative purposes.

We have, from time to time, entered into interest rate swap transactions to hedge our interest rate exposure. In addition, we have, from time to time, entered into forward exchange contracts, swap contracts, cross currency swap contracts and European foreign currency options contracts to hedge our existing assets and liabilities denominated in foreign currencies. See “Item 11. Quantitative and Qualitative Disclosures about Market Risk” and notes 7 and 32 to our consolidated financial statements included in this annual report.

RESEARCH AND DEVELOPMENT

For 2014, 2015 and 2016, our research and development expenditures totaled approximately NT\$10,289.7 million, NT\$10,937.5 million and NT\$ 11,391.1 million (US\$351.6 million), respectively. These expenditures represented approximately 4.0%, 3.8% and 4.1% of operating revenues in 2014, 2015 and 2016, respectively. We have historically expensed all research and development costs as incurred and none is currently capitalized. As of January 2017, we employed 7,495 employees in research and development.

## Packaging

We centralize our research and development efforts in packaging technology in our Kaohsiung, Taiwan facilities. After initial phases of development, we conduct pilot runs in one of our facilities before new technologies or processes are implemented commercially at other sites. Facilities with special product expertise, such as ASE Korea, also conduct research and development of these specialized products and technologies at their sites. One of the areas of emphasis for our research and development efforts is improving the efficiency and technology of our packaging processes and these efforts are expected to continue. We are also putting significant research and development efforts into the development and adoption of innovative technology. We work closely with manufacturers of our packaging equipment and materials in designing and developing the equipment and materials used in our production process. We also collaborate with our significant customers to co-develop new product and process technologies.

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In addition to investing in the development of more advanced packaging technology and improving production efficiency, a significant portion of our research and development efforts is focused on the development of IC substrate production technology for BGA packaging. Substrate is the principal raw material for BGA packages. Development and production of IC substrates involve complex technology. We are currently working closely with certain first-tier substrate suppliers in Asia, primarily including those located in Japan, Taiwan and Korea. We believe that our successful cooperation with substrate suppliers to enhance the overall substrate production capability and to meet future package requirements has enabled us to capture an increasingly important value-added component of the packaging process, helped ensure a stable and cost-effective supply of substrates for our BGA packaging operations and shortened time to market.

## Testing

Our research and development efforts in the area of testing have focused primarily on developing testing software and solutions, including logic/mixed-signal/RF/(2.5D/3D) module and SiP /discrete semiconductors, characterization of semiconductors, layout design and electrical simulation for high frequency test board and developing software of parametric test data analysis. We work closely with our customers on the leading edge test technologies, such as 3D IC test and advanced probe test technology such as very fine pitch probe card. Our research and development operations also include an equipment development group, which currently designs testing hardware and software for specific semiconductors to offer our customers cost effective test solutions.

## Electronic manufacturing services

To further enhance the quality of our services and products, we focus on developing diversified and innovative products to improve our competitiveness. By leveraging our proprietary research and development expertise, we are able to optimize our product design, engineering and manufacturing capabilities to provide our customers with high performance and cost-effective products and services. During the process of designing, as well as developing the technology for, our software and hardware, our research and development team also dedicates itself to discovering new know-how, and then applying such know-how to create new, advanced and improved products, processes, methodology and services. We are currently investing in the development of products used in electronic manufacturing services in relation to computers and peripherals, communications, industrial, automotive, and storage and server applications.

## **TREND INFORMATION**

Other than as disclosed elsewhere in this annual report, we are not aware of any trends, uncertainties, demands, commitments or events for the period from January 1, 2016 to December 31, 2016 that are reasonably likely to have a material effect on our operating revenues, income, profitability, liquidity or capital resources, or that caused the

disclosed financial information to be not necessarily indicative of future operating results or financial conditions.

#### OFF-BALANCE SHEET ARRANGEMENTS

There are no off-balance sheet arrangements that have or are reasonably likely to have a current or future effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

#### TABULAR DISCLOSURE OF CONTRACTUAL OBLIGATIONS

The following table sets forth the maturity of our contractual obligations as of December 31, 2016.

	Payments Due by Period				
	Total	Under 1 Year	1 to 3 Years	3 to 5 Years	After 5 Years
	NT\$	NT\$	NT\$	NT\$	NT\$
	(in millions)				
Contractual Obligations:					
Long-term debt <sup>(1)</sup>	93,736.4	17,353.4	63,468.2	9,123.8	3,791.0
Capital lease obligations <sup>(2)</sup>	581.9	116.4	98.0	367.5	-
Operating leases <sup>(3)</sup>	1,078.4	284.2	237.9	117.8	438.5
Purchase obligations <sup>(4)</sup>	2,208.7	2,208.7	-	-	-
Total <sup>(5)(6)(7)(8)</sup>	97,631.9	19,964.4	63,828.9	9,609.1	4,229.5

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(1) Includes long-term borrowings and bonds payable (before the deduction of unamortized arrangement fees, unamortized issuance cost and discounts on bonds payable) and interest payments.

(2) Represents our commitments under property leases and imputed interest. These obligations are recorded on our consolidated balance sheets under the line item of other non-current liabilities.

(3) Represents our commitments under leases for land, machinery and equipment such as testers, and office buildings and equipment. See note 35 to our consolidated financial statements included in this annual report.

(4) Represents unpaid commitments for construction. These commitments were not recorded on our consolidated balance sheets as of December 31, 2016. See note 35 to our consolidated financial statements included in this annual report. Total commitments for construction of buildings were approximately NT\$2,718.4 million (US\$83.9 million), of which NT\$509.7 million (US\$15.7 million) had been paid as of December 31, 2016.

(5) Excludes non-binding commitments to purchase machinery and equipment of approximately NT\$3,912.5 million (US\$120.8 million), of which NT\$158.8 million (US\$4.9 million) had been paid as of December 31, 2016. See note 35 to our consolidated financial statements included in this annual report.

(6) Excludes unpaid amounts that we were contracted for the construction related to our real estate business of approximately NT\$1,574.8 million (US\$48.6 million) as of December 31, 2016, since the schedule of payments is difficult to determine. See note 35 to our consolidated financial statements included in this annual report.

(7) Excludes our unfunded defined benefit obligation since the schedule of payments is difficult to determine. Under defined benefit pension plans, we made pension contributions of approximately NT\$807.2 million (US\$24.9 million) in 2016, and we estimate that we will contribute approximately NT\$521.3 million (US\$16.1 million) in 2017. See note 21 to our consolidated financial statements included in this annual report.

(8) Excludes uncertain tax liabilities. We recognized additional taxes payable of NT\$ 552.5 million (US\$17.1 million) and accrued interest and penalties of NT\$16.3 million (US\$0.5 million) related to uncertain tax positions as of or for the year ended December 31, 2016. Because we were unable to make a reasonable estimate of the timing of the tax audits, such balances were not included in the table.

**SAFE HARBOR**



Please see the section entitled “Special Note Regarding Forward-Looking Statements.”

## Item 6. Directors, Senior Management and Employees

### DIRECTORS AND SENIOR MANAGEMENT

#### Directors

Our board of directors is elected by our shareholders in a general meeting at which a quorum, consisting of a majority of all issued and outstanding common shares, not including treasury stocks and common shares held by our subsidiaries, is present. The chairman is elected by the board from among the directors. Our eleven-member board of directors, including three independent directors, is responsible for the management of our business.

We currently have eleven directors, serving a three-year term. The current board of directors began serving on June 24, 2015. Directors may serve any number of consecutive terms and may be removed from office at any time by a resolution adopted at a meeting of shareholders. Normally, all board members are elected at the same meeting of shareholders, except where the posts of one-third or more of the directors are vacant, at which time an extraordinary shareholders’ meeting shall be convened to elect directors to fill the vacancies. We and our subsidiaries do not have service contracts with our directors that provide for benefits upon termination of employment.

Our audit committee currently consists of our independent directors, Shen-Fu Yu, Ta-Lin Hsu and Mei-Yueh Ho, who are independent under Rule 10A-3 and the ROC Securities and Exchange Act and are financially literate with accounting or related financial management expertise. The audit committee has responsibility for, among other things, overseeing the qualifications, independence and performance of our independent auditors and the integrity of our financial statements.

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Our compensation committee currently consists of Shen-Fu Yu and Ta-Lin Hsu, our independent directors, and Hsiao-Ying Ku. Our board of directors established a compensation committee to satisfy the requirements under the ROC Securities Exchange Act. Under ROC securities regulations, a compensation committee should have at least one independent director who is considered independent under ROC securities regulations. We do not assess the independence of our compensation committee member under the independence requirements of the NYSE listing standards but adopt the independence standard as promulgated under the ROC Regulations Governing the Appointment and Exercise of Powers by the Remuneration Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded Over the Counter. See “Item 16G. Corporate Governance” for more information. Our compensation committee meets at least twice a year. Our board of directors has adopted an compensation committee charter for our compensation committee. The compensation committee has responsibility for, among other things, setting forth and reviewing policies, systems, standards and structures regarding performance evaluation and compensation of the directors, managerial personnel, and evaluating compensation of the directors and managerial personnel.

The following table sets forth information regarding all of our directors as of March 31, 2017. In accordance with ROC law, each of our directors is elected either in his or her capacity as an individual or as an individual representative of a corporation or government. Persons designated to represent corporate or government shareholders as directors are typically nominated by such shareholders at the annual general meeting and may be replaced as representatives by such shareholders at will. Of the current directors, six represent ASE Enterprises Limited. The remaining directors serve in their capacity as individuals.

Name	Position	Director Since	Age	Other Significant Positions Held Outside of the ASE Group
Jason C.S. Chang <sup>(1)(2)</sup>	Director, Chairman and Chief Executive Officer	1984	72	None
Richard H.P. Chang <sup>(1)</sup>	Director, Vice Chairman and President	1984	70	Chairman, Sino Horizon Holdings Ltd.
Rutherford Chang <sup>(3)</sup>	Director and General Manager of China Region	2009	37	None
Tien Wu <sup>(2)</sup>	Director and Chief Operating Officer	2003	59	None
Joseph Tung <sup>(2)</sup>	Director and Chief Financial Officer	1997	58	Independent director, Ta Chong Bank Ltd.
Raymond Lo <sup>(2)</sup>	Director and General Manager, Kaohsiung packaging facility	2006	63	None
Tien-Szu Chen <sup>(2)</sup>	Director and General Manager, ASE Inc. Chung-Li branch	2015	55	None
Jeffrey Chen <sup>(2)</sup>	Director and General Manager of China Headquarters	2003	53	None
Shen-Fu Yu	Independent Director and Member, Audit Committee and Compensation Committee	2009	72	Director, Arima Lasers Corporation; supervisor, Dynapak International Technology Corporation, San Fu Chemical Co., Ltd., and Arima Communications
Ta-Lin Hsu		2009	73	

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	Independent Director and Member, Audit Committee and Compensation Committee			Chairman and founder, H&Q Asia Pacific; Chairman, H&Q Taiwan Co. Ltd.
Mei-Yueh Ho	Independent Director and Member, Audit Committee	2015	66	Independent Director, Bank of Kaohsiung, Ltd., KINPO Electronics Inc., AU Optronics Corp. and Ausnutria Dairy Corporation Ltd.

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(1) Jason C.S. Chang and Richard H.P. Chang are brothers.

Representative of ASE Enterprises Limited, a company organized under the laws of Hong Kong, which held 16.54% of our total outstanding shares as of March 31, 2017. All of the outstanding shares of ASE Enterprises Limited are held through intermediary holding companies and under a revocable trust established under the laws of the Bailiwick of Guernsey for the benefit of our Chairman and Chief Executive Officer, Jason C.S. Chang, and his family.

(3) Rutherford Chang is the son of Jason C.S. Chang.

Audit Committee

For a discussion of our audit committee, see “—Directors and Senior Management—Directors.”

Executive Officers

The following table sets forth information regarding all of our executive officers as of March 31, 2017.

Name	Position	Years with the Company	Age
Jason C.S. Chang	Chairman and Chief Executive Officer	33	72
Richard H.P. Chang	Vice Chairman and President; Chairman, Universal Scientific Shanghai	33	70
Rutherford Chang	General Manager, China Region	12	37
Tien Wu	Chief Operating Officer	17	59
Joseph Tung	Chief Financial Officer	22	58
Raymond Lo	General Manager, ASE Test Taiwan; General Manager, Kaohsiung packaging facility	30	63
Tien-Szu Chen	General Manager, ASE Inc. Chung-Li branch	28	55
Chun-Che Lee	General Manager, ASE Electronics	32	57
Songwoon Kim	General Manager, ASE Korea	32	58
Ung Bae	General Manager, ASE Korea (retired in February 2017)	17	60
	General Manager, ASE Japan and Wuxi Tongzhi	17	52

Chih-Hsiao Chung			
Chiu-Ming Cheng	General Manager, ASESH AT	26	56
Chih-An Hsu	General Manager, ASEKS	20	54
Yen-Chieh Tsao	General Manager, ASEWH	5	59
Shih-Kang Hsu	Chief Executive Officer, ASEN	16	51
Meng-Hui Lin	General Manager, ASE Shanghai	23	50
Kwai Mun Lee	President, ASE South-East Asia operations	18	54
Lid Jian Chiou	General Manager, ASE Singapore Pte. Ltd.	13	60
Heng Ee Ooi	General Manager, ASE Malaysia	22	48
Kenneth Hsiang	General Manager, ISE Labs	17	47
Chen-Yen Wei	Chairman, Universal Scientific; Chairman, USI Inc.; President, Universal Scientific Shanghai	37	62
Feng-Ta Chen	General Manager, UGJQ	19	54
Jack Hou	General Manager, UGTW	23	60
Ta-I Lin	General Manager, UGKS	29	53
Yueh-Ming Lin	General Manager, USISZ	21	51
Omar Anaya Galván	General Manager, USI Mexico	14	47

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Biographies of Directors and Executive Officers

*Jason C.S. Chang* has served as Chairman of ASE Inc. since its founding in March 1984 and as its Chief Executive Officer since May 2003. Mr. Chang holds a bachelor's degree in electrical engineering from National Taiwan University in Taiwan and a master's degree from the Illinois Institute of Technology. He is the brother of Richard H.P. Chang, our Vice Chairman and President.

*Richard H.P. Chang* has served as Vice Chairman of ASE Inc. since November 1999 after having served as President of ASE Inc. since its founding in March 1984, and served as Chief Executive Officer of ASE Inc. from July 2000 to April 2003. In February 2003, he was again appointed President of ASE Inc. upon the retirement of Mr. Leonard Y. Liu. Mr. Chang has also served as the Chairman of Universal Scientific Industrial (Shanghai) Co., Ltd. since June 2008. Mr. Chang holds a bachelor's degree in industrial engineering from Chung Yuan Christian University in Taiwan. He is the brother of Jason C.S. Chang, our Chairman and Chief Executive Officer.

*Rutherford Chang* has served as a director of ASE Inc. since June 2009 and General Manager of China Region of ASE Group. since June 2010. He joined ASE Group in March 2005. Mr. Chang holds a bachelor's degree in psychology from Wesleyan University in Connecticut. He is the son of Jason C.S. Chang, our Chairman and Chief Executive Officer.

*Tien Wu* has served as a director of ASE Inc. since June 2003 and Chief Operating Officer since April 2006, prior to which he served as the President of Worldwide Marketing and Strategy of the ASE Group. Prior to joining ASE Inc. in March 2000, Mr. Wu held various managerial positions with IBM. Mr. Wu holds a bachelor's degree in civil engineering from National Taiwan University in Taiwan, a master's degree and a doctorate degree in mechanical engineering and applied mechanics from the University of Pennsylvania.

*Joseph Tung* has served as a director of ASE Inc. since April 1997 and Chief Financial Officer since December 1994. He is also an independent director of Ta Chong Bank Ltd. since October 2007. Before joining ASE Inc., Mr. Tung was a Vice President at Citibank, N.A. Mr. Tung holds a bachelor's degree in economics from the National Chengchi University in Taiwan and a master's degree in business administration from the University of Southern California.

*Raymond Lo* has served as a director of ASE Inc. since May 2006 and General Manager of our packaging facility in Kaohsiung, Taiwan since April 2006. Mr. Lo also served as a supervisor of ASE Inc. between July 2000 and May 2006. Before joining ASE Group, Mr. Lo was the Director of Quality Assurance at Zeny Electronics Co. Mr. Lo holds a bachelor's degree in electronic physics from the National Chiao Tung University in Taiwan.

*Tien-Szu Chen* has served as a director of ASE Inc. since June 2015 and General Manager of ASE Inc. Chung-Li branch since August 2015. Prior to his current position, Mr. Chen served as our supervisor from June 2006 to June 2015 and as President of Power ASE Technology Inc. from June 2006 to May 2012. He also held several key management positions within the ASE Group from June 1988 to June 2006, including President of ASE Inc. Chung-Li branch and Senior Vice President of ASE Inc. Prior to joining ASE Group in June 1988, Mr. Chen worked at TSMC and Philips Semiconductor Kaohsiung. Mr. Chen received his bachelor's degree in industrial engineering from Chung Yuan Christian University in Taiwan.

*Jeffrey Chen* has served as a director of ASE Inc. since June 2003 and General Manager of China Headquarters. Prior to joining ASE Inc., he worked in the corporate banking department of Citibank, N.A. in Taipei and as a Vice President of corporate finance at Bankers Trust in Taipei. Mr. Chen holds a bachelor's degree in finance and economics from Simon Fraser University in Canada and a master's degree in business administration from the University of British Columbia in Canada.

*Shen-Fu Yu* has served as an independent director of ASE Inc. since June 2009. He is also a director of Arima Lasers Corporation and a supervisor of Dynapack International Technology Corporation, San Fu Chemical Co., Ltd., and Arima Communications. Mr. Yu is also a member of the audit committee and compensation committee of ASE Inc. Mr. Yu also serves on the compensation committee of Elite Material Co., Ltd. He worked at Deloitte & Touche Accounting Firm as a consultant from June 2003 to November 2006. Mr. Yu holds a bachelor's degree in accounting from National Taiwan University in Taiwan and a master's degree in accounting from National Chengchi University in Taiwan.

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*Ta-Lin Hsu* has served as an independent director of ASE Inc. since June 2009. He is also a member of the audit committee and compensation committee of ASE Inc. He is currently the chairman and founder of H&Q Asia Pacific and chairman of H&Q Taiwan Co. Ltd. Mr. Hsu holds a bachelor's degree in physics from National Taiwan University, a master's degree in electrophysics from the Polytechnic Institute of Brooklyn and a doctorate degree in electrical engineering from the University of California, Berkeley.

*Mei-Yueh Ho* has served as an independent director and a member of the audit committee of ASE Inc. since June 2015. Ms. Ho is also an independent director and a member of the audit committee of the Bank of Kaohsiung, Ltd., KINPO Electronics Inc., AU Optronics Corp. and Ausnutria Dairy Corporation Ltd. She is also a member of the compensation committee of the Bank of Kaohsiung, Ltd., KINPO Electronics Inc. and Ausnutria Dairy Corporation Ltd. Ms. Ho served as Minister of Ministry of Economic Affairs, ROC from May 2004 to January 2006. She was also Chairperson of the Council for Economic Planning and Development, ROC from May 2007 to May 2008. Ms. Ho holds a bachelor's degree in agricultural chemistry from National Taiwan University in Taiwan.

*Chun-Che Lee* has served as a General Manager of ASE Electronics Inc. since August 2011, prior to which he was a vice president, director and manager of research and development at ASE Inc. since 1984. Mr. Lee holds a bachelor's degree in aeronautics from Tamkung University in Taiwan.

*Songwoon Kim* has served as General Manager of ASE (Korea) Inc. since February 2017, after serving as a Senior Vice President of ASE (Korea) Inc. since July 1999. Mr. Kim was a senior Manager of Motorola Korea, Limited before joining ASE (Korea) Inc. when we acquired Motorola Korea, Limited. He holds a bachelor's degree in mechanical engineering from A-Jou University in Korea.

*Ung Bae* served as General Manager of ASE (Korea) Inc. from July 2008 to February 2017, after serving as Senior Vice President of ASE (Korea) Inc. since July 1999, and retired in February 2017. Mr. Bae was Vice President of Motorola Korea, Limited before joining ASE (Korea) Inc. when we acquired Motorola Korea, Limited. He holds a degree in electronic engineering from In-Ha University in Korea.

*Chih-Hsiao Chung* has served as General Manager of ASE Japan Co. Ltd. since March 2011, General Manager of Wuxi Tongzhi Microelectronics Co., Ltd. since June 2013, and Chairman and CEO of ASEEE since September 2015. Mr. Chung has also managed the sales and marketing of ASE Japan Co. Ltd. region since April 2007. Before joining ASE Group, Mr. Chung was the Senior Manager of Sale and Marketing at Kimberly Clark Co., Taiwan. He holds a master's degree in business administration from the University of Wisconsin-Madison.



*Chiu-Ming Cheng* has served as General Manager of ASE Assembly & Test (Shanghai) Limited since September 2012, after serving as Vice President of ASE's Kaohsiung packaging facility since October 2004. He joined ASE Group in April, 1990. Mr. Cheng holds a master's degree in public policy from National Sun Yat-Sen University in Taiwan.

*Chih-An Hsu* has served as General Manager of ASE (KunShan) Inc. since July 2012, after serving as Vice President of ASE's Chung-Li since July 2006. He joined ASE Group in February 1997. Mr. Hsu holds a bachelor's degree in industrial engineering from National Tsing Hua University in Taiwan.

*Yen-Chieh Tsao* has served as General Manager of ASE (Weihai), Inc. since October 2013 after serving as Vice President of ASE's Chung-Li since October 2011. Mr. Tsao was the Vice President of Motorola Electronics Taiwan Ltd. prior to joining ASE Group. He holds a bachelor's degree in physics from the Chinese Culture University in Taiwan.

*Shih-Kang Hsu* has served as Chief Executive Officer of Suzhou ASEN Semiconductors Co., Ltd. since August 2010, after serving as Senior Vice President of ASE (U.S.) Inc. since June 2006. He joined ASE Group in June 2000. Mr. Hsu holds a master's degree in mechanical engineering from Case Western Reserve University.

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*Meng-Hui Lin* has served as General Manager of ASE (Shanghai) Inc. since Oct 2014. He joined ASE Group in 1994, and has worked in various fields with ASE Group, e.g., IE, quality engineering, process engineering, research & development and manufacturing management. He holds a master's degree in industrial engineering from Texas A&M University.

*Kwai Mun Lee* has served as President of our Southeast Asia operations, with responsibility for the operations of our Penang, Malaysia and Singapore manufacturing facilities, since March 2006. Before joining the ASE Group, Mr. Lee held senior management positions at Chartered Semiconductor and STATS ChipPAC. He started his career as an engineer at Intel. He holds a degree in engineering from the Swinburne Institute of Technology in Australia.

*Lid Jian Chiou* has served as General Manager of ASE Singapore Pte. Ltd. since September 2010 after serving as Senior Director of Operations since November 2003. Prior to that, he worked several years with Texas Instruments and Chartered Semiconductor. Mr. Chiou holds a master's degree in business administration from the State University of New York and a bachelor's degree in engineering from the University of Strathclyde in the United Kingdom.

*Heng Ee Ooi* has served as General Manager of ASE Malaysia since July 2016 after serving as Vice President of operations since July 2015. He joined ASE in July 1994. Before joining ASE, he worked as a process engineer at AMD, Penang. Mr. Ooi holds a bachelor's degree in chemical engineering from Universiti Teknologi Malaysia.

*Kenneth Hsiang* has served as General Manager of ISE Labs, Inc. since June 2004. Prior to joining ASE Group in November 1999, Mr. Hsiang worked in management positions within finance and strategic analysis in the healthcare and biotech industries in the San Francisco Bay area in California. He also worked for Price Waterhouse LLP as a Certified Public Accountant. Mr. Hsiang received a bachelor's degree in economics & rhetoric from the University of California, Berkeley.

*Chen-Yen Wei* has served as Chairman of Universal Scientific Industrial Co., Ltd. since July 2014, Chairman of USI Inc. since April 2015, and President of Universal Scientific Industrial (Shanghai) Co., Ltd. since April 2008. He joined Universal Scientific Industrial Co., Ltd. as an engineer in August 1979. He holds a bachelor's degree in communication engineering from National Chiao Tung University in Taiwan.

*Feng-Ta Chen* has served as General Manager of Universal Global Technology (Shanghai) Co., Ltd. since September 2013. He joined Universal Scientific Industrial Co., Ltd. as a Wireless Product PLM Department head in July 1997. He holds a bachelor's degree in literature from the Chinese Culture University in Taiwan.

*Jack Hou* has served as General Manager of Universal Global Scientific Industrial Co., Ltd. since January 2010 and Vice President of Automotive & Visual Product Devices and Module Turnkey Management Business Unit of Universal Scientific Industrial Co., Ltd. since April 2012. He joined Universal Scientific Industrial Co., Ltd. as a section manager in February 1994. He holds a master's degree in biomedical engineering from Ohio State University and a master's degree in computer science from the University of Dayton in Ohio.

*Ta-I Lin* has served as General Manager of Universal Global Technology (Kunshan) Co. Ltd. since August 2011. He joined Universal Scientific Industrial Co., Ltd. as an engineer in August 1987. He holds a bachelor's degree in electrical engineering from National Cheng Kung University in Taiwan and an executive master of business administration from Peking University in China.

*Yueh-Ming Lin* has served as General Manager of USI Electronics (Shenzhen) Co. Ltd. since January 2015 and Senior Director of Global Operation Management (Shenzhen) Division of USI Electronics (Shenzhen) Co. Ltd. since March 2014. He joined Universal Scientific Industrial Co., Ltd. as a section manager in October 1995. He holds a bachelor's degree in electrical engineering from Feng Chia University in Taiwan.

*Omar Anaya Galván* has served as General Manager of Universal Scientific Industrial De Mexico S.A. DE C.V. since March 2015. He has worked in the electronics industry for over 25 years and has experience in various technical, quality and manufacturing management roles. He has been working at Universal Scientific Industrial (Shanghai) Co., Ltd. and its directly and indirectly held subsidiaries since March 2003. He holds a bachelor's degree in electronic systems engineering from the Monterrey Institute of Technology and Higher Education in Mexico.

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The business address of our directors and executive officers is our registered office.

COMPENSATION

In 2016, we recorded expenses of approximately NT\$806.8 million (US\$24.9 million) as remuneration to our directors and executive officers. We did not pay any remuneration in kind to our directors or executive officers in 2016. In 2016, we accrued pension costs of NT\$6.9 million (US\$0.2 million) for retirement benefits for our management. According to our Articles of Incorporation, the remuneration of our independent directors is set at NT\$3.0 million (US\$0.09 million) per person per year. We set aside 5.25% to 8.25% of net profit before income tax, employees' compensation and remuneration to the directors as employees' compensation and no more than 0.75% as remuneration to the directors.

We have not provided any loans to or guarantees for the benefit of any of our directors or executive officers. For information regarding our pension and other retirement plans and those of our subsidiaries, see note 21 to our consolidated financial statements included in this annual report.

ASE Inc. Employee Bonus and Stock Option Plans

We award bonuses to employees of ASE Inc. and its subsidiaries who are located in Taiwan based on overall income and individual performance targets. Prior to 2009, these employees were eligible to receive bonuses in the form of our common shares valued at par. Beginning in 2009, employees are eligible to receive bonuses in the form of our common shares valued at the closing price (after adjustment with consideration of the effects on the share price, if any, brought by cash and stock dividends resolved at shareholders' meetings) of our common shares on the day prior to our shareholders' meeting. Actual amounts of bonuses to individual employees are determined based upon the employee meeting specified individual performance objectives. We granted aggregate values of NT\$1,587.3 million, NT\$2,335.6 million and NT\$ 2,033.8 million (US\$62.8 million) as cash bonus to our employees in 2014, 2015 and 2016, respectively.

We currently maintain three option plans, adopted in 2007, 2010 and 2015. The option plan adopted in 2004 expired in May 2015. Pursuant to these plans, our full-time employees, including domestic and foreign subsidiaries, are eligible to receive stock option grants. Each option entitles the holder to purchase one ASE Inc. common share at a price equal to (for the 2007 plan), or not less than (for the 2010 and 2015 plans), the closing market price on the date of the option issuance, such exercise price being subject to retroactive adjustment in the event of certain capital transactions in subsequent periods. Each option is valid for ten years from the date of the grant. 40.0% of the options originally granted vest upon the second anniversary of the grant date, and an additional 10.0% of the options originally granted vest every six months thereafter. Each option expires at the end of the tenth year following its grant date. The options are generally not transferable. As of December 31, 2016, a total of 185,806,000 options had been

granted under the 2007 plan. The original exercise price under the 2007 plan was NT\$30.65 per share (currently adjusted to NT\$21.1 per share). As of December 31, 2016, a total of 199,999,500 options had been granted under the 2010 plan, 187,719,500 of which had an original exercise price of NT\$28.6 per share (currently adjusted to NT\$20.4 per share) and 12,280,000 of which had an original exercise price of NT\$28.75 per share (currently adjusted to NT\$22.6 per share). As of December 31, 2016, a total of 94,270,000 options had been granted under the 2015 plan. The exercise price under the 2015 plan was NT\$36.50 per share.

#### ASE Mauritius Inc. Share Option Plan

As of December 31, 2016, ASE Mauritius Inc. maintained one option plan adopted in 2007. Under this plan, certain employees of ASE Mauritius Inc. and the ASE Group are granted options to purchase ordinary shares of ASE Mauritius Inc. at an exercise price of US\$1.7, which exercise price was determined by taking into account a fairness opinion rendered by an independent appraiser and was reviewed by our accountants. Each option is valid for ten years from the date of the grant. As of December 31, 2016, a total of 30,000,000 options had been granted under this plan with an exercise price of US\$1.7.

#### USI Enterprise Limited Share Option Plans

As of December 31, 2016, USI Enterprise Limited maintained three option plans adopted in 2007, 2010 and 2011, under which certain employees of Universal Scientific and our employees were granted options to purchase common shares of USI Enterprise Limited. Each option under these three plans is valid for ten to thirteen years from the date of the grant. As of December 31, 2016, we had 11,958,500 options outstanding with an exercise price of US\$1.53 per share, 6,561,340 options outstanding with an exercise price of US\$2.42 per share and 7,413,000 options outstanding with an exercise price of US\$2.94 per share under these three plans respectively.

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*Universal Scientific Shanghai Option Plans*

As of December 31, 2016, Universal Scientific Shanghai maintained one option plan adopted in 2015. Under this plan, certain employees of Universal Scientific Shanghai are granted options to purchase ordinary shares of Universal Scientific Shanghai at an exercise price of RMB15.5 per share. Each option is valid for ten years from the date of the grant. As of December 31, 2016, we had 24,997,000 options outstanding under this plan with an exercise price of RMB15.5 per share.

BOARD PRACTICES

General

For a discussion of the term of office of the board of directors, see “—Directors and Senior Management.” No benefits are payable to members of the board or the executive officers upon termination of their relationship with us.

Compensation Committee

For a discussion of our compensation committee, see “—Directors and Senior Management—Directors.”

EMPLOYEES

The following table sets forth certain information concerning our employees as of the dates indicated.

	As of December 31,		
	2014	2015	2016
Total	68,100	65,789	66,711
Function			
Direct labor	38,588	35,770	36,574
Indirect labor (manufacturing)	16,620	16,910	16,724

Indirect labor (administration)	5,941	5,929	5,927
Research and development	6,951	7,180	7,486
Location			
Taiwan	35,382	34,877	35,763
PRC	24,223	22,475	22,369
Korea	2,900	2,701	2,662
Malaysia	2,752	2,982	3,230
Japan	588	502	490
Singapore	1,059	986	869
United States	383	379	392
Others	813	887	936

Eligible employees may participate in our employee share bonus plan and stock option plans and our subsidiaries' share option plans, such as the option plans adopted by ASE Mauritius, USI Enterprise Limited, and Universal Scientific Shanghai. See “—Compensation.”

We have never experienced a work stoppage caused by our employees. We believe that our relationship with our employees is good.

#### SHARE OWNERSHIP

The following table sets forth certain information with respect to our common shares and options of ASE Inc. exercisable for our common shares held by our directors and executive officers as of March 31, 2017. Percentage of beneficial ownership is based on 8,273,546,046 common shares outstanding as of March 31, 2017.

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Director or Executive Officer	Number of ASE Inc. Common Shares Beneficially Held <sup>(1)</sup>	Percentage of ASE Inc. Common Shares Issued and Outstanding	Number of Options Exercisable <sup>(2)</sup>	Exercise Price of Options (NT\$)	Expiration Date of Options
Jason C.S. Chang	1,889,032,057 <sup>(3)</sup>	22.83 %	0	-	-
Richard H. P. Chang	234,463,779	2.83 %	9,050,000	20.40-21.10	2017/12/19 - 2020/5/6
Rutherford Chang	3,155,294	*	0	-	-
Tien Wu	7,354,946	*	0	-	-
Joseph Tung	5,426,823	*	0	-	-
Raymond Lo	3,566,861	*	*	20.40	2020/5/6
Tien-Szu Chen	2,363,642	*	0	-	-
Jeffrey Chen	2,166,000	*	0	-	-
Shen-Fu Yu	4,776	*	-	-	-
Ta-Lin Hsu	0	0	-	-	-
Mei-Yueh Ho	0	0	-	-	-
Chun-Che Lee	3,344,502	*	*	20.40-21.10	2017/12/19 - 2020/5/6
Songwoon Kim	0	0	*	20.40	2020/5/6
Chih-Hsiao Chung	130,979	*	*	20.40-21.10	2017/12/19 - 2020/5/6
Chiu-Ming Cheng	638,621	*	*	20.40-21.10	2017/12/19 - 2020/5/6
Chih-An Hsu	120,000	*	0	-	-
Yen-Chieh Tsao	0	0	0	36.50	2025/9/10
Shih-Kang Hsu	260,000	*	*	20.40	2020/5/6
Meng-Hui Lin	350,940	*	*	20.40-21.10	2017/12/19 - 2020/5/6
Kwai Mun Lee	0	0	*	20.40	2020/5/6
Lid Jian Chiou	0	0	*	20.40-21.10	2017/12/19 - 2020/5/6
Heng Ee Ooi	0	0	0	-	-
Kenneth Hsiang	155,000	*	*	20.40-21.10	2017/12/19 - 2020/5/6
Chen-Yen Wei	710,053	*	-	-	-
Feng-Ta Chen	0	0	-	-	-
Jack Hou	90,917	*	-	-	-
Ta-I Lin	0	0	-	-	-
Yueh-Ming Lin	5,000	*	-	-	-
Omar Anaya Galvan	0	0	-	-	-

(1) Including shares directly held and shares beneficially owned through spouse and minor children.

(2) Each option may be converted into one of our common shares. The figures referred herein include options convertible into our common shares scheduled to vest within 60 days as of the date hereof.



Including 1,368,655,773 common shares Jason C.S. Chang beneficially owned through ASE Enterprises Limited, Aintree Limited and JC Holdings Limited and 407,449,072 common shares beneficially owned through Value Tower Limited, respectively, and 112,927,212 common shares Jason C.S. Chang directly owned. See “Item 7. Major Shareholders and Related Party Transactions—Major Shareholders.”

\* The sum of the number of common shares held and the number of common shares issuable upon exercise of all options held is less than 1.0% of our total outstanding shares.

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## Item 7. Major Shareholders and Related Party Transactions

## MAJOR SHAREHOLDERS

The following table sets forth information known to us with respect to the beneficial ownership of our common shares, as of March 31, 2017, by each shareholder known by us to beneficially own more than 5.0% of our total outstanding shares.

Beneficial ownership is determined in accordance with the rules and regulations of the SEC. Percentage of beneficial ownership is based on 8,273,546,046 common shares outstanding as of March 31, 2017. In addition, in computing the number of shares beneficially owned by a person and the percentage ownership of that person, we have included shares that the person has the right to acquire within 60 days, including through the exercise of any option, warrant or other right or the conversion of any other security. These shares, however, are not included in the computation of the percentage ownership of any other person.

Name of Shareholder or Group	Common Shares Beneficially Owned	
	Number	Percentage
Jason C.S. Chang <sup>(1)</sup>	1,889,032,057	22.83 %

(1) Jason C.S. Chang is our Chairman and Chief Executive Officer. Jason C. S. Chang beneficially owned 1,368,655,773 common shares through ASE Enterprises Limited, Aintree Limited and JC Holdings Limited and 407,449,072 common shares through Value Tower Limited, respectively, and directly owned 112,927,212 common shares. As a result, Jason C.S. Chang beneficially owned 1,889,032,057 common shares, representing 22.83% of our total outstanding shares (based on 8,273,546,046 common shares as of March 31, 2017). ASE Enterprises Limited is a company organized under the laws of Hong Kong. All of the outstanding shares of ASE Enterprises Limited are held by Aintree Limited. Aintree Limited is a company organized under the laws of the British Virgin Islands. All of the shares of Aintree Limited are held by JC Holdings Limited. The shares of JC Holdings Limited are held through intermediary holding companies and under a revocable trust established under the laws of the Bailiwick of Guernsey for the benefit of our Chairman and Chief Executive Officer, Jason C.S. Chang, and his family. Value Tower Limited is a company organized under the laws of the British Virgin Islands. Jason C.S. Chang is the sole shareholder and director of Value Tower Limited. There were no significant changes in the percentage of ownership beneficially owned by Jason C.S. Chang in 2014, 2015 and 2016.

The following table sets forth information relating to our common shares held directly by our consolidated subsidiaries and our equity method investee as of March 31, 2017.

Name of Shareholder	Common Shares Beneficially Owned	
	Number	Percentage
ASE Test <sup>(1)</sup>	88,200,472	1.07 %
ASE Test Taiwan <sup>(2)</sup>	10,978,776	0.13 %
J&R Holding Limited <sup>(3)</sup>	46,703,763	0.56 %
Hung Ching <sup>(4)</sup>	88,261,502	1.07 %

(1) ASE Test is our wholly owned subsidiary. ASE Test's ownership of our common shares is the result of the merger of ASE Chung Li with and into us in August 2004, and subsequent dividends upon shares received in connection with this merger. In order to comply with Singapore Companies Act, a trust was established to hold and dispose our common shares issued to ASE Test, a Singaporean Company, upon completion of the merger. The trustee appointed under such trust arrangement is currently our registered shareholder for our common shares issued to ASE Test. See "—Related Party Transactions."

(2) ASE Test Taiwan is our wholly owned subsidiary. ASE Test Taiwan's ownership of our common shares is mainly the result of the merger of ASE Material with and into us in August 2004, and subsequent dividends upon shares received in connection with this merger. In order to comply with Singapore Companies Act, a trust had been established to hold and dispose our common shares issued to ASE Test Taiwan, which had been a subsidiary of ASE Test, upon completion of the merger. In December 2014, the trust established to hold the common shares issued to ASE Test Taiwan had been terminated because ASE Test Taiwan was no longer a subsidiary owned by ASE Test and therefore no longer subject to Singapore Companies Act requirements. As a result, ASE Test Taiwan directly owned 10,978,776 of our common shares as of March 31, 2017. See "—Related Party Transactions."

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J&R Holding Limited is our wholly owned subsidiary. J&R Holding Limited's ownership of our common shares is (3) the result of the merger of ASE Chung Li with and into us in August 2004, and subsequent dividends upon shares received in connection with this merger.

Hung Ching is our equity method investee. As of March 31, 2017, we held 26.22% of the outstanding shares of (4) Hung Ching. Hung Ching acquired our common shares in open market transactions, subsequent dividends upon the acquired shares and shares purchase pursuant to the rights offered by the Company.

As of March 31, 2017, none of our major shareholders had voting rights different from those of our other shareholders. We are not aware of any arrangement that may at a subsequent date result in a change of control of us. Furthermore, other than disclosed above, we are not aware of any significant changes in the percentage of ownership held by our major shareholders in 2014, 2015 and 2016.

As of March 31, 2017, a total of 8,273,546,046 common shares were outstanding. With certain limited exceptions, holders of common shares that are not ROC persons are required to hold their common shares through a brokerage account in the ROC. As of March 31, 2017, 540,454,720 common shares were registered in the name of a nominee of Citibank, N.A., the depository under our ADS deposit agreement. Citibank, N.A., has advised us that, as of March 31, 2017, 108,090,653 ADSs, representing 540,453,265 common shares, were held of record by Cede & Co., and 290 ADSs, representing 1,450 common shares, were held by 9 other U.S. persons. The remaining 5 common shares held by Citibank, N.A. for the Company are a result of fractional shares distributed during stock distributions on our common shares underlying the ADSs.

## RELATED PARTY TRANSACTIONS

In recent years, we have awarded cash bonuses to the employees of our subsidiaries as part of their compensation, based in part on our consolidated net income and the subsidiaries' contribution to our consolidated income. We expect to continue this practice in the future.

In order to comply with Singapore law and other applicable laws and regulations, trusts organized under ROC law were established to hold and dispose of our common shares issued to ASE Test and ASE Test Taiwan in connection with the merger of ASE Chung Li and ASE Material into our company in August 2004. Under Section 76(1)(b)(ii) of Singapore's Companies Act, Chapter 50, ASE Test, a Singapore company, may not purport to acquire, directly or indirectly, shares or units of shares in our company, ASE Test's parent company. Pursuant to the applicable trust agreements, the trustee under each trust is (1) the registered owner of our common shares, (2) authorized to exercise all of the rights as a shareholder of our common shares, (3) authorized to sell our common shares, subject to market conditions, when such common shares become available for resale under ROC law and in accordance with volume limitations under ROC law, at its sole discretion; provided such common shares are sold (i) in compliance with ROC laws and regulations, (ii) in an orderly manner in order to minimize the impact on the trading price of our common shares, and (iii) in a manner consistent with its fiduciary duties owed to ASE Test and (4) able to transfer and deliver

to ASE Test or ASE Test Taiwan the proceeds from the sale of our common shares and any cash dividends distributed, as the case may be. In February 2010, to complete the tender offer to acquire Universal Scientific, ASE Test transferred 141,808,499 shares to the shareholders of Universal Scientific. Neither ASE Test nor ASE Test Taiwan have any rights with respect to our common shares held in trust pursuant to the applicable trust agreements other than the right to receive the proceeds from the sale of such common shares and cash dividends declared while the shares remain in trust. In December 2014, the trust established to hold the common shares issued to ASE Test Taiwan had been terminated because ASE Test Taiwan was no longer a subsidiary owned by ASE Test and therefore no longer subject to Singapore Companies Act requirements. As a result, ASE Test Taiwan directly owned 10,978,776 of our common shares as of March 31, 2017 and the trust established to hold the common shares issued to ASE Test held 88,200,472 of our common shares.

We have historically provided promissory notes as guarantees to some of our subsidiaries. As of December 31, 2016, we endorsed and guaranteed the bonds issued by our subsidiaries, Anstock II Limited, in the amount of US\$306.4 million.

In July 2014, we acquired factory-administration building in Chung Li, Taiwan, from Hung Ching for a consideration of NT\$4,540.1 million.

In 2014, a series of construction projects for which we contracted with Fu Hwa Construction Co., Ltd. for the construction of buildings with green design concept and other projects in Nantze Export Processing Zone, Taiwan, have been completed with a total consideration of NT\$350.0 million.

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In August 2014, we made the donation of NT\$15.0 million to Social Affairs Bureau of Kaohsiung City Government through ASE Cultural and Educational Foundation. In addition, in order to demonstrate our commitment to environmental protection, in December 2013, our board of directors approved contributions to environmental protection efforts in Taiwan in a total amount of not less than NT\$3,000.0 million, to be made in the next 30 years. For the years ended December 31, 2014, 2015 and 2016, we have made contributions in the amount of NT\$100.0 million (US\$3.1 million) each, respectively, through ASE Cultural and Educational Foundation to fund various environmental projects and our board of directors have resolved in a resolution in January 2017 to contribute NT\$100.0 million (US\$3.1 million) through ASE Cultural and Educational Foundation in environmental projects in 2017.

In June 2015, we acquired the K22 and K23 factory-administration building in Nantze Export Processing Zone, Taiwan, from Hung Ching for a consideration of NT\$2,466.0 million.

In 2015 and 2016, we capitalized NT\$504.6 million and NT\$875.0 million (US\$27.0 million), respectively, for the construction of employee dormitory for which we contracted with Fu Hwa Construction Co., Ltd. in Kaohsiung, Taiwan.

In 2016, we acquired patents and acquired specific technology from Deca Technologies Inc. for a consideration of NT\$403.5 million (US\$12.5 million).

INTERESTS OF EXPERTS AND COUNSEL

Not applicable.

Item 8. Financial Information

CONSOLIDATED STATEMENTS AND OTHER FINANCIAL INFORMATION

Consolidated financial statements are set forth under “Item 18. Financial Statements.”

Export Sales

We categorize our revenues geographically based on the country in which the customer is headquartered. Revenues from our export sales were NT\$219,843.7 million, NT\$250,671.4 million and NT\$236,015.4 million (US\$7,284.4 million) in 2014, 2015 and 2016, respectively, which contributed 85.7% , 88.5% and 85.6 % of our total sales volume for those periods, respectively. See “Item 4. Information on the Company—Business Overview—Sales and Marketing” for information on our export sales.

## Legal Proceedings

### K7 Plant Wastewater Discharge

In December 2013, the Kaohsiung City Environmental Protection Bureau ordered us to suspend the operations at our K7 Plant’s wafer-level process where nickel was used for alleged wastewater discharge violations and imposed a NT\$110.1 million fine against us. The NT\$110.1 million fine was later reduced to NT\$109.4 million as ordered by the Kaohsiung City Environmental Protection Bureau. In December 2014, the Kaohsiung City Environmental Protection Bureau lifted the suspension order and approved the full resumption of operations of our K7 Plant after ordering a series of examinations, hearings and trial runs. In September 2015, the fine was reduced to NT\$102.0 million by the Kaohsiung City Environmental Protection Bureau and we received a refund of NT\$7.3 million in October 2015.

With respect to the NT\$102.0 million administrative penalty imposed on us by the Kaohsiung City Environmental Protection Bureau, we appealed to the Kaohsiung High Administrative Court in August 2014 seeking to (i) revoke Kaohsiung City Government’s decision, (ii) lift the administrative penalty imposed on us and (iii) demand a refund of the administrative penalty. On March 22, 2016, the Kaohsiung High Administrative Court revoked Kaohsiung City Government’s decision and lifted the administrative penalty. Our demand for a refund of the fine was dismissed. We appealed to the Supreme Administrative Court on April 14, 2016 against the Kaohsiung High Administrative Court’s unfavorable ruling in dismissing a refund. The outcome of the proceeding cannot be predicted with certainty.

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In connection with the same alleged violations at our K7 plant, in October 2014, the Kaohsiung District Court ruled that we were in violation of the ROC Waste Disposal Act and imposed on us a criminal penalty of NT\$3.0 million. We appealed the case to the Taiwan High Court Kaohsiung District Branch in November 2014. In September 2015, the Taiwan High Court Kaohsiung District Branch overturned the decision made by Kaohsiung District Court and found the Company not guilty and repealed the criminal penalty imposed on the Company. The verdict was final and not appealable.

The outcome of some of these proceedings is uncertain. Any penalties, fines, damages or settlements made in connection with these criminal, civil, and/or administrative investigations and/or lawsuits may divert management's attention and resources, which may cause a material adverse effect on our results of operations, financial condition and business. We are also unable to quantify the harm to our reputation should any adverse findings be made against us. See "Item 3. Key Information—Risk Factors—Risks Relating to Our Business—Any environmental claims or failure to comply with any present or future environmental regulations, as well as any fire or other industrial accident, may require us to spend additional funds and may materially and adversely affect our financial condition and results of operations," "Item 4. Information on the Company—Business Overview—Environmental Matters" and "Item 4. Information on the Company—Property, Plants and Equipment."

### ***SPIL Litigation Against ASE***

On October 15, 2015, in connection with the Initial SPIL Tender Offer, SPIL filed a lawsuit in the Kaohsiung District Court against ASE requesting that the court invalidate the Initial SPIL Tender Offer and confirm that ASE does not have the right to be registered as a shareholder of SPIL. The lawsuit alleged that the Initial SPIL Tender Offer violate certain provisions of the ROC Securities and Exchange Act and certain provisions of the ROC Fair Trade Act and because of these violations the Initial SPIL Tender Offer should be voided. Following a series of pleadings and arguments on the amount of verdict fee that SPIL has to post before the case could be heard, the Kaohsiung District Court ordered SPIL to post a verdict fee in the amount of NT\$219.2 million (US\$6.7 million) and scheduled a hearing on April 29, 2016. SPIL appealed the Kaohsiung District Court's decision on the verdict fee to the Kaohsiung High Court, and, following the Kaohsiung High Court's decision to sustain the Kaohsiung District Court's decision on the amount of the verdict fee, SPIL appealed to the Supreme Court of Taiwan on January 18, 2016. On June 27, 2016, the Kaohsiung District Court dismissed the lawsuit due to SPIL's failure to pay relevant court expenses by the deadline.

### **Dividends and Dividend Policy**

We have historically paid dividends on our common shares with respect to the results of the preceding year following approval by our shareholders at the annual general meeting of shareholders. We have paid annual dividends on our common shares since 1989, except in 2002 and 2006 when we did not pay any dividend due to the losses we incurred in the 2001 and 2005 fiscal years, respectively. On March 30, 2017, our board of directors adopted resolutions to pay



cash dividends of NT\$1.40 per share based on 8,153,712,546 shares, which equal to the number of issued shares shown in the shareholders' roster as of March 28, 2017 minus the number of shares repurchased by us as treasury stocks. This proposal is subject to shareholders' approval at the annual general shareholders meeting in June 2017 and the actual cash dividends per share will be adjusted by any fluctuations in the number of our shares due to, for example, the exercise of share options.

The following table sets forth the stock dividends paid during each of the years indicated and related information.

	Cash Dividends Per Common Share	Stock Dividends Per Common Share <sup>(1)</sup>	Total Common Shares Issued as Stock Dividends	Outstanding Common Shares on Record Date <sup>(2)</sup>	Percentage of Outstanding Common Shares Represented by Stock Dividends
	NT\$	NT\$			
2009	0.50	-	-	5,474,320,814	-
2010	0.36	1.00	549,497,078	5,500,216,994	10.0 %
2011	0.65	1.15	695,735,660	6,055,261,112	11.5 %
2012	0.65	1.40	931,599,554	6,659,893,672	14.0 %
2013	1.05	-	-	7,611,579,786	-
2014	1.29 <sup>(3)</sup>	-	-	7,847,817,646	-
2015	2.00	-	-	7,900,130,996	-
2016	1.60	-	-	7,931,725,946	-

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Stock dividends were paid out from retained earnings and capital surplus. Holders of common shares receive as a  
(1) stock dividend the number of common shares equal to the NT dollar value per common share of the dividend declared multiplied by the number of common shares owned and divided by the par value of NT\$10 per share. Fractional shares are not issued but are paid in cash.

(2) Aggregate number of common shares outstanding on the record date applicable to the dividend payment. Includes common shares issued in the previous year under our employee bonus plan.

On June 26, 2014, our shareholders approved a cash dividend of NT\$1.30 per share for 2013 earnings. On July 29,  
(3) 2014, our board of directors resolved to adjust the cash dividend ratio to NT\$1.29411842 because the number of outstanding common shares had changed as a result of the exercise of share options.

In order to meet the needs of our present and future capital expenditures, we anticipate paying both stock and cash dividends in the future. The form, frequency and amount of future cash or stock dividends on our common shares will depend upon our net income, cash flow, financial condition, shareholders' requirement for cash inflow and other factors. According to our Articles of Incorporation, we have a general policy that cash dividend distribution should not be lower than 30% of the total dividend amount and the remainder be distributed as stock dividends. See "Item 10. Additional information—Articles of Incorporation—Dividends and Distributions."

In general, we are not permitted to distribute dividends or make other distributions to shareholders for any year where we did not record net income or retained earnings (excluding reserves). The ROC Company Law also requires that 10% of annual net income (less outstanding taxes and prior years' losses, if any) be set aside as a legal reserve until the accumulated legal reserve equals our paid-in capital.

According to our Articles of Incorporation, the remuneration of our independent directors is set at NT\$3.0 million (US\$0.09 million) per person per year. If our annual net income (after recovering any losses incurred in prior years and deducting the legal reserve and special reserve provisions, making the additions or deductions of the portion of retained earnings that belong to equity investment gains or losses that have been realized through other comprehensive income or losses measured at fair value and deducting other items as required under ROC law, if any) remains, a proposal for the distribution of such amount together with a part or all of the accumulated undistributed profits in the previous years shall be prepared by the board of directors and submit to the shareholders' meeting for resolution. In addition, we set aside 5.25% to 8.25% of net profit before income tax, employees' compensation and remuneration to the directors as employees' compensation and no more than 0.75% as remuneration to the directors. The 5.25% portion is to be distributed to all employees in accordance with our employee compensation distribution rules, while any portion exceeding 5.25% is to be distributed in accordance with rules established by our board of directors to individual employees who have been recognized as having made special contributions to our company. Such employees include those of our subsidiaries.

Holders of ADSs will be entitled to receive dividends, subject to the terms of the deposit agreement, to the same extent as the holders of our common shares. Cash dividends will be paid to the depositary in NT dollars and, except as otherwise provided in the deposit agreement, will be converted by the depositary into U.S. dollars and paid to holders of ADSs according to the terms of the deposit agreement. Stock dividends will be distributed to the depositary and, except as otherwise provided in the deposit agreement, will be distributed by the depositary, in the form of additional ADSs, to holders of ADSs according to the terms of the deposit agreement.

Holders of outstanding common shares on a dividend record date will be entitled to the full dividend declared without regard to any prior or subsequent transfer of common shares. Holders of outstanding ADSs are entitled to receive dividends, subject to the terms of the deposit agreement, to the same extent as the holders of outstanding common shares.

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For information relating to ROC withholding taxes payable on dividends, see “Item 10. Additional Information—Taxation—ROC Taxation—Dividends.”

## SIGNIFICANT CHANGES

Other than as disclosed elsewhere in this annual report, we have not experienced any significant changes since the date of the annual financial statements.

## Item 9. The Offer and Listing

## OFFER AND LISTING DETAILS

Our common shares were first issued in March 1984 and have been listed on the TWSE since July 1989. The TWSE is an auction market where the securities traded are priced according to supply and demand through announced bid and ask prices. As of March 31, 2017, there were an aggregate of 8,273,546,046 of our common shares outstanding. The following table sets forth, for the periods indicated, the high and low closing prices and the average daily volume of trading activity on the TWSE for our common shares and the high and low of the daily closing values of the Taiwan Stock Exchange Index. The closing price for our common shares on the TWSE on April 14, 2017 was NT\$37.85 per share.

	Closing Price per Share		Adjusted Closing Price per Share <sup>(1)</sup>		Average Daily Trading Volume (in thousands of shares)	Taiwan Stock Exchange Index	
	High	Low	High	Low		High	Low
	NT\$	NT\$	NT\$	NT\$			
2012	31.10	20.15	20.77	12.79	24,667	8,144.0	6,894.7
2013	30.65	23.60	25.76	17.66	24,598	8,623.4	7,616.6
2014	41.00	26.80	36.11	21.91	25,609	9,569.2	8,264.5
2015	47.75	30.00	44.15	28.40	28,467	9,973.1	7,410.3
First Quarter	47.75	36.65	44.15	33.05	31,837	9,758.1	9,048.3
Second Quarter	46.65	39.70	43.05	36.10	29,672	9,973.1	9,189.8
Third Quarter	42.10	30.00	38.50	28.40	33,371	9,379.2	7,410.3
Fourth Quarter	39.00	33.40	37.40	31.80	19,731	8,857.0	8,040.2
2016	39.60	28.65	39.05	27.05	17,859	9,392.7	7,664.0

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First Quarter	38.30	33.75	36.70	32.15	17,321	8,812.7	7,664.0
Second Quarter	36.95	28.65	35.35	27.05	25,701	8,716.3	8,053.7
Third Quarter	39.60	34.60	38.00	33.00	17,249	9,284.6	8,575.8
Fourth Quarter	38.80	32.20	38.80	32.20	11,453	9,392.7	8,931.0
October	38.80	37.10	38.80	37.10	10,252	9,385.7	9,165.2
November	37.05	33.35	37.05	33.35	12,058	9,272.7	8,931.0
December	34.55	32.20	34.55	32.20	11,942	9,392.7	9,078.6
2017							
First Quarter	39.90	33.75	39.90	33.75	17,231	9,972.5	9,272.9
January	34.70	32.80	34.70	32.80	12,213	9,448.0	9,272.9
February	38.85	36.55	38.85	36.55	20,684	9,799.8	9,429.0
March	39.90	37.45	39.90	37.45	16,692	9,972.5	9,272.9
Second Quarter							
April (through April 14, 2017)	39.30	37.85	39.30	37.85	12,056	9,949.5	9,732.9

As adjusted retroactively by the TWSE to give effect to stock dividends and cash dividends paid in the periods (1) indicated. See “Item 8. Financial Information—Consolidated Statements and Other Financial Information—Dividends and Dividend Policy.”

The performance of the TWSE has in recent years been characterized by extreme price volatility. There are currently limits on the range of daily price movements on the TWSE. In the case of equity securities traded on the TWSE, such as our common shares, fluctuations in the price of a particular security may not exceed a 10.0% change either above or below the previous day’s closing price of such security.

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Our ADSs have been listed on the NYSE under the symbol “ASX” since September 26, 2000. The outstanding ADSs are identified by the CUSIP number 00756M404. As of March 31, 2017, a total of 108,090,943 ADSs were outstanding. The following table sets forth, for the periods indicated, the high and low closing prices and the average daily volume of trading activity on the NYSE for our ADSs and the highest and lowest of the daily closing values of the New York Stock Exchange Index. The closing price for our ADSs on the NYSE on April 13, 2017 was US\$6.25 per ADS.

	Closing Price per ADS		Adjusted Closing Price per ADS <sup>(1)</sup>		Average Daily Trading Volume (in thousands of ADSs)	New York Stock Exchange Index	
	High	Low	High	Low		High	Low
	US\$	US\$	US\$	US\$			
2012	5.27	3.54	4.10	2.82	1,065	8,516.4	7,285.5
2013	5.35	3.91	4.65	3.11	746	10,400.3	8,604.4
2014	6.87	4.45	5.97	3.87	752	11,104.7	9,741.6
2015	7.89	4.69	7.11	4.50	1,405	11,239.7	9,601.4
First Quarter	7.89	5.96	7.11	5.37	1,485	11,122.1	10,514.6
Second Quarter	7.51	6.39	6.77	5.76	1,412	11,239.7	10,790.3
Third Quarter	6.67	4.69	6.01	4.50	1,700	11,024.9	9,601.4
Fourth Quarter	6.12	5.18	5.87	4.97	1,028	10,609.9	9,821.0
2016	6.21	4.41	6.14	4.23	916	11,237.2	9,029.9
First Quarter	5.87	4.95	5.63	4.75	1,015	10,237.0	9,029.9
Second Quarter	5.78	4.41	5.55	4.23	1,439	10,641.2	9,973.5
Third Quarter	6.21	5.35	6.14	5.13	633	10,892.2	10,409.5
Fourth Quarter	6.12	4.92	6.12	4.92	576	11,237.2	10,289.3
October	6.12	5.80	6.12	5.80	542	10,690.8	10,476.6
November	5.83	5.12	5.83	5.12	503	10,878.1	10,289.3
December	5.43	4.92	5.43	4.92	683	11,237.2	10,829.0
2017							
First Quarter	6.62	5.09	6.62	5.09	1,176	11,661.2	11,148.9
January	5.80	5.09	5.80	5.09	656	11,339.1	11,148.9
February	6.19	5.78	6.19	5.78	1,359	11,578.3	11,207.2
March	6.62	6.09	6.62	6.09	1,477	11,661.2	11,414.3
Second Quarter							
April (through April 13, 2017)	6.54	6.25	6.54	6.25	1,601	11,473.6	11,324.5

(1) As adjusted retroactively to give effect to stock dividends and cash dividends paid in the periods indicated.

## PLAN OF DISTRIBUTION

Not applicable.

## MARKETS

The principal trading market for our common shares is the TWSE and the principal trading market for ADSs representing our common shares is the NYSE.

## SELLING SHAREHOLDERS

Not applicable.

## DILUTION

Not applicable.

## EXPENSES OF THE ISSUE

Not applicable.

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Item 10. Additional Information

SHARE CAPITAL

Not applicable.

ARTICLES OF INCORPORATION

General

We are a company limited by shares organized under the laws of the ROC. Our organizational document is our Articles of Incorporation. We have no by-laws.

Our Articles of Incorporation provide, in Article 2, that we may engage in the following types of business:

- the manufacture, assembly, processing, testing and export of various types of integrated circuitry;
- the research, development, design and manufacture, assembly, processing, testing and export of various computers, electronics, communications, information products and their peripheral products;
- general import and export trading (excluding businesses that require trading permits);
- the manufacture of electronic parts and components;
- the manufacture of mechanical and electronic devices and materials (including integrated circuit leadframes, BGA substrates and flip-chip substrates);
- wholesale and retail sales of electronic materials;



- technical support and consulting service for integrated circuit leadframes, BGA substrates and flip-chip substrates;
- leasing; and
- except any business requiring a special permit, any business not prohibited or restricted by law or regulation.

We were incorporated on March 23, 1984 as a company limited by shares under the ROC Company Law. Our authorized share capital registered with the Kaohsiung Export Processing Zones Administration was NT\$95 billion, divided into 9,500 million common shares, 8,273,546,046 of which were outstanding as of March 31, 2017. Our authorized share capital under our Articles of Incorporation is NT\$100 billion, divided into 10 billion common shares. We do not have any equity in the form of preference shares or otherwise outstanding as of the date of this annual report.

Subject to limited exceptions, with the approval of our board of directors and the FSC, we may grant stock options to our employees, provided that NT\$8,000 million of our authorized capital (800 million common shares) is reserved for employee stock options. The total number of shares to be issued under all option plans, together with all restricted shares issued to employees, shall not exceed 15% of our outstanding common shares. Unless otherwise approved by the shareholders' meeting, the exercise price of an option shall not be less than the closing price of our common shares on the TWSE on the grant date of the option. As of March 31, 2017, we had granted 480,075,500 options pursuant to employee stock option plans established on November 22, 2007, April 20, 2010 and April 17, 2015 to our full-time employees, including our domestic and foreign subsidiaries. See "Item 6. Directors, Senior Management and Employees—Compensation—ASE Inc. Employee Bonus and Stock Option Plans."

## **Directors**

Our Articles of Incorporation provide that, we are to have 11 to 15 directors with tenures of three years who are elected at a shareholders' meeting. In addition, three of our directors will be required to be independent directors. Our audit committee replaced the function of supervisors in accordance with the ROC Securities and Exchange Act to exercise the powers and duties of supervisors starting from June 2015.

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There is no minimum amount of shares necessary to stand for election to a directorship. Many of our directors are representatives appointed by corporate shareholders which appoint individual representatives. Re-elections are allowed. The board of directors has certain powers and duties, including devising operations strategy, proposing to distribute dividends or make up losses, proposing to increase or decrease capital, reviewing material internal rules and contracts, hiring and discharging the general manager, establishing and dissolving branch offices, reviewing budgets and financial statements and other duties and powers granted by or in accordance with the ROC Company Law, our Articles of Incorporation or shareholders resolutions.

The board of directors is constituted by the directors, who elect a chairman from among the directors to preside over the meeting of the board. Meetings of the board may be held in the ROC or by videoconference. A director may appoint another director to attend a meeting and vote by proxy, but a director may accept only one proxy.

## Dividends and Distributions

In general, we are not permitted to distribute dividends or make other distributions to shareholders in any given year in which we did not record net income or retained earnings (excluding reserves). The ROC Company Law also requires that 10% of annual net income (less prior years' losses, if any, and applicable income taxes) be set aside as a legal reserve until the accumulated legal reserve equals our paid-in capital.

According to our Articles of Incorporation, the remuneration of our independent directors is set at NT\$3.0 million (US\$0.09 million) per person per year. If our annual net income (after recovering any losses incurred in prior years and deducting the legal reserve and special reserve provisions, making the additions or deductions of the portion of retained earnings that belong to equity investment gains or losses that have been realized through other comprehensive income or losses measured at fair value and deducting other items as required under ROC law, if any) remains, a proposal for the distribution of such amount together with a part or all of the accumulated undistributed profits in the previous years shall be prepared by the board of directors and submit to the shareholders' meeting for resolution. In addition, we set aside 5.25% to 8.25% of net profit before income tax, employees' compensation and remuneration to the directors as employees' compensation and no more than 0.75% as remuneration to the directors. The 5.25% portion is to be distributed to all employees in accordance with our employee compensation distribution rules, while any portion exceeding 5.25% is to be distributed in accordance with rules established by our board of directors to individual employees who have been recognized as having made special contributions to our company. Such employees include those of our subsidiaries.

At the annual general meeting of shareholders, our board of directors submits to the shareholders for their approval any proposal for the distribution of dividends or the making of any other distribution to shareholders from our net income for the preceding fiscal year. All common shares outstanding and fully paid as of the relevant record date are entitled to share equally in any dividend or other distribution so approved. Dividends may be distributed in cash, in the form of common shares or a combination of the two, as determined by the shareholders at the meeting. According to our Articles of Incorporation, we have a general policy that cash dividend distribution should not be lower than 30%

of the total dividend amount and the remainder be distributed as stock dividends. See “Item 8. Financial Information—Consolidated Statements and Other Financial Information—Dividends and Dividend Policy.”

We are also permitted to make distributions to our shareholders in cash or in the form of common shares from reserves if we have no accumulated loss. However, the distribution payable out of our legal reserve can only come from the amount exceeding 25% of the total paid-in capital.

For information on the dividends we paid in recent years, see “Item 8. Financial Information—Consolidated Statements and Other Financial Information—Dividends and Dividend Policy.” For information as to ROC taxes on dividends and distributions, see “—Taxation—ROC Taxation—Dividends.”

#### Changes in Share Capital

Under ROC Company Law, any change in the authorized share capital of a company limited by shares requires an amendment to its Articles of Incorporation, which in turn requires approval at the shareholders’ meeting. In the case of a public company such as ourselves, we must also obtain the approval of, or submit a report to, the FSC and the Kaohsiung Export Processing Zone Administration. Authorized but unissued common shares may be issued, subject to applicable ROC law, upon terms as our board of directors may determine. Our authorized share capital registered with the Kaohsiung Export Processing Zones Administration was NT\$95 billion, divided into 9,500 million common shares with a face value of NT\$10.0 per share as of March 31, 2017. Our authorized share capital under our Articles of Incorporation is NT\$100 billion, divided into 10 billion common shares. There were 500 million common shares included in our authorized shares that are currently not registered with the Kaohsiung Export Processing Zones Administration. We will complete the registration with the Kaohsiung Export Processing Zones Administration if and when our total issued share capital equals or exceeds NT\$95 billion.

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### Preemptive Rights

Under the ROC Company Law, when an ROC company issues new shares for cash, existing shareholders who are listed on the shareholders' register as of the record date have preemptive rights to subscribe for the new issue in proportion to their existing shareholdings, while a company's employees, whether or not they are shareholders of the company, have rights to subscribe for 10% to 15% of the new issue. Any new shares that remain unsubscribed at the expiration of the subscription period may be freely offered, subject to compliance with applicable ROC law.

In addition, in accordance with the ROC Securities and Exchange Act, a public company that intends to offer new shares for cash must offer to the public at least 10% of the shares to be sold, except under certain circumstances or when exempted by the FSC. This percentage can be increased by a resolution passed at a shareholders' meeting, which would diminish the number of new shares subject to the preemptive rights of existing shareholders.

These preemptive rights provisions do not apply to offerings of new shares through a private placement approved at a shareholders' meeting.

### Meetings of Shareholders

We are required to hold an annual general meeting of our shareholders within six months following the end of each fiscal year. These meetings are generally held in Kaohsiung, Taiwan. Any shareholder who holds 1% or more of our issued and outstanding shares may submit one written proposal for discussion at our annual general meeting. Extraordinary shareholders' meetings may be convened by resolution of the board of directors or by the board of directors upon the written request of any shareholder or shareholders who have held 3% or more of the outstanding common shares for a period of one year or longer. Shareholders' meetings may also be convened by member(s) of the audit committee. Notice in writing of meetings of shareholders, stating the place, time and purpose, must be dispatched to each shareholder at least 30 days, in the case of annual general meetings, and 15 days, in the case of extraordinary meetings, before the date set for each meeting. A majority of the holders of all issued and outstanding common shares present at a shareholders' meeting constitutes a quorum for meetings of shareholders.

### Voting Rights

Under the ROC Company Law, except under limited circumstances, shareholders have one vote for each common share held. Under the ROC Company Law, our directors are elected at a shareholders' meeting through cumulative

voting.

In general, a resolution can be adopted by the holders of at least a majority of our common shares represented at a shareholders' meeting at which the holders of a majority of all issued and outstanding common shares are present. Under ROC Company Law, the approval by at least a majority of our common shares represented at a shareholders' meeting in which a quorum of at least two-thirds of all issued and outstanding common shares are represented is required for major corporate actions, including:

· amendment to the Articles of Incorporation, including increase of authorized share capital and any changes of the rights of different classes of shares;

· execution, amendment or termination of any contract through which the company leases its entire business to others, or the company appoints others to operate its business or the company operates its business with others on a continuous basis;

· transfer of entire business or assets or a substantial part of its business or assets;

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acquisition of the entire business or assets of any other company, which would have a significant impact on the company's operations;

distribution of any stock dividend;

dissolution, merger or spin-off of the company;

issuance of restricted shares to employees; and

removal of the directors.

However, in the case of a listed company such as us, the resolution may be adopted by the holders of at least two-thirds of our issued and outstanding common shares represented at a shareholders' meeting at which the holders of at least a majority of all issued and outstanding common shares are present.

A shareholder may be represented at an annual general or extraordinary meeting by proxy if a valid proxy form is delivered to us five days before the commencement of the annual general or extraordinary shareholders' meeting. Shareholders may exercise their voting rights by way of a written ballot or by way of electronic transmission if the voting decision is delivered to us two days before the commencement of the annual general or extraordinary shareholders' meeting.

Holders of ADSs do not have the right to exercise voting rights with respect to the underlying common shares, except as described in the deposit agreement.

Other Rights of Shareholders

Under the ROC Company Law, dissenting shareholders are entitled to appraisal rights in certain major corporate actions such as a proposed amalgamation by the company. If agreement with the company cannot be reached, dissenting shareholders may seek a court order for the company to redeem all of their shares. Shareholders may exercise their appraisal rights by serving written notice on the company prior to or at the related shareholders' meeting and/or by raising and registering an objection at the shareholders' meeting. In addition to appraisal rights, shareholders have the right to sue for the annulment of any resolution adopted at a shareholders' meeting where the procedures were legally defective within 30 days after the date of the shareholders' meeting. One or more shareholders who have held 3% or more of the issued and outstanding shares of a company for a period of one year or longer may require an independent director to bring a derivative action on behalf of the company against a director as a result of the director's unlawful actions or failure to act.

## Rights of Holders of Deposited Securities

Except as described below, holders of ADSs generally have no right under the deposit agreement to instruct the depositary to exercise the voting rights for our common shares represented by the ADSs. Instead, by accepting ADSs or any beneficial interest in ADSs, holders of ADSs are deemed to have authorized and directed the depositary to appoint our chairman or his designee to represent them at our shareholders' meetings and to vote our common shares deposited with the custodian according to the terms of the deposit agreement.

The depositary will mail to holders of ADSs any notice of shareholders' meeting received from us together with information explaining how to instruct the depositary to exercise the voting rights of the securities represented by ADSs.

If we fail to timely provide the depositary with an English language translation of our notice of meeting or other materials related to any meeting of owners of common shares, the depositary will endeavor to cause all the deposited securities represented by ADSs to be present at the applicable meeting, insofar as practicable and permitted under applicable law, but will not cause those securities to be voted.

If the depositary timely receives voting instructions from owners of at least 51.0% of the outstanding ADSs to vote in the same direction regarding one or more resolutions to be proposed at the meeting, including election of directors, the depositary will notify our chairman or his designee to attend the meeting and vote all the securities represented by the holders' ADSs in accordance with the direction received from owners of at least 51.0% of the outstanding ADSs.

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If we have timely provided the depositary with the materials described in the deposit agreement and the depositary has not timely received instructions from holders of at least 51.0% of the outstanding ADSs to vote in the same direction regarding any resolution to be considered at the meeting, then, holders of ADSs will be deemed to have authorized and directed the depositary bank to give a discretionary proxy to our chairman or his designee to attend and vote at the meeting our common shares represented by the ADSs in any manner, our chairman or his designee may wish, which may not be in the interests of holders.

The ability of the depositary to carry out voting instructions may be limited by practical and legal limitations and the terms of the securities on deposit. We cannot assure ADS holders that they will receive voting materials in time to enable them to return voting instructions to the depositary in a timely manner.

While shareholders who own 1% or more of our outstanding shares are entitled to submit one proposal to be considered at our annual general meetings, only holders representing at least 51% of our ADSs outstanding at the relevant record date are entitled to submit one proposal to be considered at our annual general meetings. Hence, only one proposal may be submitted on behalf of all ADS holders.

## Register of Shareholders and Record Dates

Our share registrar, President Securities Corp., maintains our register of shareholders at its offices in Taipei, Taiwan. Under the ROC Company Law and our Articles of Incorporation, we may, by giving advance public notice, set a record date and close the register of shareholders for a specified period in order for us to determine the shareholders or pledgees that are entitled to rights pertaining to our common share. The specified period required is as follows:

· annual general meeting—60 days;

· extraordinary shareholders' meeting—30 days; and

· relevant record date for distribution of dividends, bonuses or other interests—5 days.

## Annual Financial Statements

At least ten days before the annual general meeting, our annual financial statements, which are prepared in conformity with Taiwan IFRS, must be available at our principal executive office in Kaohsiung, Taiwan for inspection by the shareholders.



#### Transfer of Common Shares

The transfer of common shares in registered form is effected by endorsement and delivery of the related share certificates but, in order to assert shareholders' rights against us, the transferee must have his name and address registered on our register of shareholders. Shareholders are required to file their respective specimen seals, also known as chops, with us. Chops are official stamps widely used in Taiwan by individuals and other entities to authenticate the execution of official and commercial documents. The settlement of trading in our common shares is normally carried out on the book-entry system maintained by the Taiwan Depository & Clearing Corporation.

#### Acquisition of Common Shares by ASE Inc.

Under the ROC Securities and Exchange Act, we may purchase our own common shares for treasury stock under limited circumstances, including:

- to transfer shares to our employees;

- to deliver shares upon the conversion or exercise of bonds with warrants, preferred shares with warrants, convertible bonds, convertible preferred shares or warrants issued by us; and

- to maintain our credit and our shareholders' equity, provided that the shares so purchased shall be canceled.

We may purchase our common shares on the TWSE or by means of a public tender offer. These transactions require the approval of a majority of our board of directors at a meeting in which at least two-thirds of the directors are in attendance. The total amount of common shares purchased for treasury stock may not exceed 10.0% of the total issued shares. In addition, the total cost of the purchased shares shall not exceed the aggregate amount of our retained earnings, any premium from share issuances and the realized portion of our capital reserve.

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We may not pledge or hypothecate any of our shares purchased by us. In addition, we may not exercise any shareholders' right attaching to such shares. In the event that we purchase our shares on the TWSE, our affiliates, directors, managers, and their respective spouses and minor children and/or nominees are prohibited from selling any of our shares during the period in which we are purchasing our shares.

Pursuant to the ROC Company Law, an entity in which our company directly or indirectly owns more than 50.0% of the voting shares or paid-in capital, which is referred to as a controlled entity, may not purchase our shares. Also, if our company and a controlled entity jointly own, directly or indirectly, more than 50.0% of the voting shares or paid-in capital of another entity, which is referred to as a third entity, the third entity may not purchase shares in either our company or a controlled entity.

Liquidation Rights

In the event of our liquidation, the assets remaining after payment of all debts, liquidation expenses and taxes will be distributed pro rata to the shareholders in accordance with the relevant provisions of the ROC Company Law.

Transfer Restrictions

Substantial Shareholders

The ROC Securities and Exchange Act currently requires:

each director, manager, or substantial shareholder (that is, a shareholder who holds more than 10.0% shares of a company), and their respective spouses, minor children or nominees, to report any change in that person's shareholding to the issuer of the shares and the FSC; and

each director, manager, or substantial shareholder, and their respective spouses, minor children or nominees, after acquiring the status of director, manager, or substantial shareholder for a period of six months, to report his or her intent to transfer any shares on the TWSE to the FSC at least three days before the intended transfer, unless the number of shares to be transferred does not exceed 10,000 shares.

In addition, the number of shares that can be sold or transferred on the TWSE by any person subject to the restrictions described above on any given day may not exceed:

0.2% of the outstanding shares of the company in the case of a company with no more than 30 million outstanding shares; or

0.2% of 30 million shares plus 0.1% of the outstanding shares exceeding 30 million shares in the case of a company with more than 30 million outstanding shares; or

in any case, 5.0% of the average trading volume (number of shares) on the TWSE for the ten consecutive trading days preceding the reporting day on which the director, manager or substantial shareholder reports the intended share transfer to the FSC.

These restrictions do not apply to sales or transfers of our ADSs.

## MATERIAL CONTRACT

### *Joint Share Exchange Agreement between ASE and SPIL*

ASE and SPIL have entered into the Joint Share Exchange Agreement pursuant to which a holding company, ASE Holding, will be formed by means of a statutory share exchange, and ASE Holding will (i) acquire all issued shares of ASE in exchange for shares of ASE Holding using the Exchange Ratio as described below, and (ii) acquire all issued shares of SPIL using the Cash Consideration as described below. Upon the consummation of the Share Exchange, ASE and SPIL will become wholly owned subsidiaries of ASE Holding concurrently. Subject to the Share Exchange and the Joint Share Exchange Agreement being approved by shareholders of ASE and SPIL, respectively, and upon the satisfaction of the other conditions for completing the Share Exchange, ASE Holding will be formed.

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Pursuant to the terms and subject to the conditions set forth in the Joint Share Exchange Agreement, at the effective time of the Share Exchange (the “Effective Time”):

i. for SPIL shareholders:

each SPIL common share, par value NT\$10 per share, issued immediately prior to the Effective Time (including SPIL’s treasury shares and the common shares of SPIL beneficially owned by ASE), will be transferred to ASE Holding in consideration for the right to receive NT\$51.2, which represents NT\$55, *minus* a cash dividend and a return of capital reserve of NT\$3.8 per common share of SPIL distributed by SPIL on July 1, 2016, payable in cash in NT dollars, without interest and net of any applicable withholding taxes (“SPIL Common Shares Cash Consideration”); and

each SPIL American depositary share, currently representing five common shares of SPIL will be cancelled in exchange for the right to receive through JPMorgan Chase Bank, N.A., as depositary for the SPIL American depositary shares (“SPIL Depositary”), the US dollar equivalent of NT\$256 (representing five times of the SPIL Common Shares Cash Consideration) *minus* (i) all processing fees and expenses per SPIL American depositary shares in relation to the conversion from NT dollars into US dollars, and (ii) US\$0.05 per SPIL American depositary shares cancellation fees pursuant to the terms of the deposit agreement dated January 6, 2015 by and among SPIL, SPIL Depositary and the holders and beneficial owners from time to time of the SPIL American depositary shares issued thereunder, payable in cash in US dollars, without interest and net of any applicable withholding taxes (“SPIL ADS Cash Consideration,” together with the SPIL Common Shares Cash Consideration, “Cash Consideration”).

The Cash Consideration will be subject to adjustments if SPIL issues shares or pays cash dividends during the period from the execution date of the Joint Share Exchange Agreement to the Effective Time, provided, however, that the Cash Consideration shall not be subject to adjustment if the aggregate amount of the cash dividends distributed by SPIL in fiscal year 2017 is less than 85% of its after-tax net profit for fiscal year 2016.

ii. for ASE shareholders:

each common share of ASE, par value NT\$10 per share, issued immediately prior to the Effective Time (including ASE’s treasury shares), will be transferred to ASE Holding in consideration for the right to receive 0.5 ASE Holding common shares, par value NT\$10 per share; and

each ASE ADS, currently representing five common shares of ASE, will represent the right to receive 1.25 ASE Holding American depositary shares, each representing two ASE Holding common shares upon surrender for cancellation to Citibank, N.A., as depositary for the ASE ADSs, after the Effective Time. The ratio at which the common shares of ASE will be exchanged for the common shares of ASE Holding and ASE ADSs will be exchanged for ASE Holding American depositary shares is hereinafter referred to as the “Exchange Ratio”.

Under Republic of China law, if any fractional ASE Holding common shares representing less than one common share would otherwise be allotted to former holders of ASE common shares in connection with the Share Exchange, those fractional shares will not be issued to those shareholders. Pursuant to the Joint Share Exchange Agreement, ASE will aggregate the fractional entitlements and sell the aggregated ASE common shares using the closing price of ASE common shares on the TWSE on the ninth ROC Trading Day prior to the Effective Time, to an appointee of the Chairman of ASE Holding. The cash proceeds from the sale will be distributed to the former holders of ASE common shares by ASE Holding on a proportionate basis in accordance with their respective fractions at the Effective Time.

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Subject to approval at the extraordinary general shareholders' meeting of ASE shareholders, ASE Holding will issue 3,961,811,298 ASE Holding common shares (based on the number of issued shares of ASE on September 30, 2016) in connection with the Share Exchange.

FOREIGN INVESTMENT IN THE ROC

Historically, foreign investment in the ROC securities market has been restricted. Since 1983, the ROC government has from time to time enacted legislation and adopted regulations to permit foreign investment in the ROC securities market.

On September 30, 2003, the Executive Yuan approved an amendment to the Regulations Governing Investment in Securities by Overseas Chinese and Foreign National, or the Regulations, which took effect on October 2, 2003. Pursuant to the Regulations, the FSC abolished the mechanism of the "qualified foreign institutional investors" and "general foreign investors" as stipulated in the Regulations before the amendment.

Under the Regulations, foreign investors (other than PRC persons) are classified as either "onshore foreign investors" or "offshore foreign investors" according to their respective geographical location. Both onshore and offshore foreign investors are allowed to invest in ROC securities after they register with the TWSE or the Taiwan Futures Exchange. The Regulations further classify foreign investors into foreign institutional investors and foreign individual investors. "Foreign institutional investors" refer to those investors incorporated and registered in accordance with foreign laws outside of the ROC (i.e., offshore foreign institutional investors) or their branches set up and recognized within the ROC (i.e., onshore foreign institutional investors). Offshore overseas Chinese and foreign individual investors may be subject to a maximum investment ceiling that will be separately determined by the FSC, after consultation with the Central Bank of the Republic of China (Taiwan). Currently, there is no maximum investment ceiling for offshore overseas Chinese and foreign individual investors. On the other hand, foreign institutional investors are not subject to any ceiling for investment in the ROC securities market.

Except for certain specified industries, such as telecommunications, investments in ROC-listed companies by foreign investors are not subject to individual or aggregate foreign ownership limits. Custodians for foreign investors are required to submit to the Central Bank of the Republic of China (Taiwan) and the TWSE a monthly report of trading activities and status of assets under custody and other matters. Capital remitted to the ROC under these guidelines may be remitted out of the ROC at any time after the date the capital is remitted to the ROC. Capital gains and income on investments may be remitted out of the ROC at any time.

Foreign investors (other than PRC persons) who wish to make (i) direct investments in the shares of ROC private companies or (ii) investment in 10.0% or more of the equity interest of a ROC company listed on the TWSE or the Taipei Exchange in any single transaction, are required to submit a foreign investment approval application to the

MOEAIC or other applicable government authority. The MOEAIC or such other government authority reviews each foreign investment approval application and approves or disapproves each application after consultation with other governmental agencies (such as the Central Bank of the Republic of China (Taiwan) and the FSC).

Under current ROC law, any non-ROC person possessing a foreign investment approval may remit capital for the approved investment and is entitled to repatriate annual net profits, interest and cash dividends attributable to the approved investment. Dividends attributable to such investment may be repatriated upon submitting certain required documents to the remitting bank, and investment capital and capital gains attributable to such investment may be repatriated after approvals of the MOEAIC or other government authorities have been obtained.

In addition to the general restriction against direct investment by foreign investors in securities of ROC companies, foreign investors (except in certain limited cases) are currently prohibited from investing in certain industries in the ROC pursuant to a “negative list,” as amended by the Executive Yuan. The prohibition on foreign investment in the prohibited industries specified in the negative list is absolute in the absence of a specific exemption from the application of the negative list. Pursuant to the negative list, certain other industries are restricted so that foreign investors (except in limited cases) may invest in these industries only up to a specified level and with the special approval of the relevant competent authority that is responsible for enforcing the relevant legislation that the negative list is intended to implement.

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The FSC announced the PRC Regulations on April 30, 2009. According to the PRC Regulations, a PRC QDII is allowed to invest in ROC securities (including less than 10.0% shareholding of a ROC company listed on the TWSE or the Taipei Exchange) provided that the total investment amount of any QDII does not exceed US\$500 million. The custodians of QDIIs must apply with the TWSE for the remittance amount for each QDII, which cannot exceed US\$100 million, and QDII can only invest in ROC securities at an amount approved by the TWSE. In addition, QDIIs are currently prohibited from investing in certain industries, and their investment in any company of certain other industries is restricted to a certain percentage pursuant to a list promulgated by the FSC and amended from time to time. PRC investors other than QDII are prohibited from making investments in a ROC company listed on the TWSE or the Taipei Exchange if the investment is less than 10.0% of the equity interest of such ROC company.

In addition to investments permitted under the PRC Regulations, PRC investors who wish to make (i) direct investment in the shares of ROC private companies or (ii) investments, individually or in the aggregate, in 10.0% or more of the equity interest of a ROC company listed on the TWSE or the Taipei Exchange, are required to submit an investment approval application to the MOEAIC or other government authority. The MOEAIC or such other government authority reviews each investment approval application and approves or disapproves each application after consultation with other governmental agencies.

In addition to the general restriction against direct investment by PRC investors in securities of ROC companies, PRC investors may only invest in certain industries on the “positive list” promulgated by the Executive Yuan. Furthermore, a PRC investor who wishes to be elected as a ROC company’s director or supervisor shall submit an investment approval application to the MOEAIC or other government authority for approval.

## EXCHANGE CONTROLS

### ROC Exchange Controls

The ROC Foreign Exchange Control Law and regulations provide that all foreign exchange transactions must be executed by banks designated by the FSC and by the Central Bank of the Republic of China (Taiwan) to engage in such transactions. Current regulations favor trade-related or service-related foreign exchange transactions. Consequently, foreign currency earned from exports of merchandise and services may now be retained and used freely by exporters, and all foreign currency needed for the importation of merchandise and services may be purchased freely from the designated foreign exchange banks.

Apart from trade-related or service-related foreign exchange transactions, ROC companies and individual residents of the ROC reaching the age of 20 years old may, without foreign exchange approval, remit foreign currency of up to US\$50 million (or its equivalent) and US\$5 million (or its equivalent) to and from the ROC, respectively, in each calendar year. The above limits apply to remittances involving either a conversion of NT dollars into a foreign



currency or a conversion of foreign currency into NT dollars. In addition, a requirement is also imposed on all enterprises to register medium- and long-term foreign debt with the Central Bank of the Republic of China (Taiwan).

In addition, foreign persons may, subject to specified requirements but without foreign exchange approval of the Central Bank of the Republic of China (Taiwan), remit to and from the ROC foreign currencies of up to US\$100,000 (or its equivalent) per remittance if the required documentation is provided to the ROC authorities. The above limit applies to remittances involving either a conversion of NT dollars into a foreign currency or a conversion of foreign currency into NT dollars. The above limit does not, however, apply to the conversion of NT dollars into other currencies, including U.S. dollars, from the proceeds of a sale of any underlying shares withdrawn from a depository receipt facility.

## TAXATION

### ROC Taxation

The following discussion describes the material ROC tax consequences of the ownership and disposition of our common shares or ADSs to a non-resident individual or non-resident entity that owns our common shares or ADSs (referred to here as a “non-ROC holder”). As used in the preceding sentence, a “non-resident individual” is a non-ROC national who owns our common shares or ADSs and is not physically present in the ROC for 183 days or more during any calendar year, and a “non-resident entity” is a corporation or a non-corporate body that owns our common shares or ADSs, is organized under the laws of a jurisdiction other than the ROC and has no fixed place of business or business agent in the ROC.

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### Dividends

Dividends (whether in cash or common shares) declared by us out of retained earnings and distributed to a non-ROC holder are subject to ROC withholding tax, currently at the rate of 20% (unless a preferable tax rate is provided under a tax treaty between the ROC and the jurisdiction where the non-ROC holder is a resident) on the amount of the distribution (in the case of cash dividends) or on the par value of the distributed common shares (in the case of stock dividends). A 10% undistributed earnings tax is imposed on a ROC company for its after-tax earnings generated after January 1, 1998 which are not distributed in the following year. The undistributed earnings tax so paid will further reduce the retained earnings available for future distribution. When we declare a dividend out of those retained earnings, an amount in respect of the undistributed earnings tax, up to a maximum amount of 5% of the dividend to be distributed, will be credited against the withholding tax imposed on the non-ROC holders.

Distributions of common shares or cash out of capital reserves will not be subject to withholding tax, except under limited circumstances.

### Capital Gains

Starting from January 1, 2016, capital gains realized upon the sale or other disposition of common shares are exempt from ROC income tax.

Sales of ADSs are not regarded as sales of ROC securities and thus any gains derived from transfers of ADSs by non-ROC holders are not currently subject to ROC income tax.

### Securities Transaction Tax

Securities transaction tax will be imposed on the seller at the rate of 0.3% of the transaction price upon a sale of common shares. Transfers of ADSs are not subject to ROC securities transaction tax. On April 11, 2017, the amendment to reduce the tax rate for day trading of shares to 0.15% for one year was passed and will come into force after said amendment is promulgated by the President of ROC.

### Subscription Rights

Distributions of statutory subscription rights for our common shares in compliance with the ROC Company Law are currently not subject to ROC tax. Sales of statutory subscription rights evidenced by securities are subject to securities transaction tax, currently at the rate of 0.3% of the gross amount received. Holders are exempt from income tax on capital gains from the sale of statutory subscription rights evidenced by securities. Proceeds derived from sales of statutory subscription rights which are not evidenced by securities are not subject to securities transaction tax but are subject to income tax at a fixed rate of 20% of the income if the seller is a non-ROC holder. Subject to compliance with ROC law, we, in our sole discretion, may determine whether statutory subscription rights are evidenced by securities.

#### Estate and Gift Tax

ROC estate tax is payable on any property within the ROC left by a deceased non-resident individual, and ROC gift tax is payable on any property within the ROC donated by a non-resident individual. Estate tax and gift tax are currently imposed at the rate of 10%. Under the ROC Estate and Gift Tax Act, common shares issued by ROC companies are deemed located in the ROC without regard to the location of the owner. It is unclear whether a holder of ADSs will be considered to own common shares for this purpose.

#### Tax Treaty

At present, the ROC has income tax treaties with Indonesia, Singapore, New Zealand, Australia, the United Kingdom, South Africa, Gambia, Swaziland, Malaysia, Macedonia, the Netherlands, Senegal, Sweden, Belgium, Denmark, Israel, Vietnam, Paraguay, Hungary, France, India, Slovakia, Switzerland, Germany, Thailand, Kiribati, Luxembourg, Austria, Italy, Japan, Canada and Poland. These tax treaties may limit the rate of ROC withholding tax on dividends paid with respect to common shares issued by ROC companies. A non-ROC holder of ADSs may or may not be considered as the beneficial owner of common shares for the purposes of such treaties. Accordingly, holders of ADSs who wish to apply a reduced withholding tax rate that is provided under a tax treaty should consult their own tax advisers concerning such application. The United States does not have an income tax treaty with the ROC.

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United States Federal Income Taxation

The following discussion describes the material U.S. federal income tax consequences of the ownership and disposition of our common shares or ADSs to those U.S. Holders described below who hold such common shares or ADSs as capital assets for U.S. federal income tax purposes. As used herein, a “U.S. Holder” is a beneficial owner of our common shares or ADSs that is for U.S. federal income tax purposes:

- a citizen or individual resident of the United States;

- a corporation, or other entity taxable as a corporation, created or organized under the laws of the United States or of any political subdivision of the United States; or

- an estate or trust the income of which is subject to U.S. federal income taxation regardless of its source.

This discussion assumes that we are not a passive foreign investment company, as discussed below.

This discussion does not address all of the tax consequences that may be relevant in light of a U.S. Holder’s particular circumstances. In particular, it does not address all of the tax consequences that may be relevant to holders subject to special rules, including:

- persons subject to the alternative minimum tax;

- persons subject to taxation under the provisions of the Internal Revenue Code of 1986, as amended (the “Code”), known as the Medicare contribution tax;

- insurance companies;

- tax-exempt entities, including “individual retirement accounts” or “Roth IRAs”;

- dealers or traders in securities who use a mark-to-market method of accounting for U.S. federal income tax purposes;

· certain financial institutions;

· partnerships or other entities classified as partnerships for U.S. federal income tax purposes;

· persons holding common shares or ADSs in connection with a trade or business conducted outside of the U.S.;

· persons who hold or will hold common shares or ADSs as part of a straddle, hedge, conversion transaction, integrated transaction or similar transaction;

· persons whose functional currency for U.S. federal income tax purposes is not the U.S. dollar;

· persons who own or are deemed to own 10% or more of our voting stock; or

· persons who acquired our common shares or ADSs pursuant to the exercise of any employee stock option or otherwise as compensation.

If an entity that is classified as a partnership for U.S. federal income tax purposes holds our common shares or ADSs, the U.S. federal income tax treatment of a partner will generally depend on the status of the partner and the activities of the partnership. Partnerships holding our common shares or ADSs and partners in such partnerships should consult their tax advisers as to the particular U.S. federal income tax consequences of holding and disposing of our common shares or ADSs.

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This discussion is based on the Code, final, temporary and proposed Treasury regulations, administrative pronouncements and judicial decisions, all as of the date hereof. These laws and regulations are subject to change, possibly with retroactive effect. This discussion is also based in part on representations by the depositary bank and assumes that each obligation under the Deposit Agreement and any related agreement will be performed in accordance with its terms.

In general, for U.S. federal income tax purposes, a U.S. Holder who owns ADSs should be treated as the owner of the common shares represented by the ADSs. Accordingly, no gain or loss should be recognized if a U.S. holder exchanges ADSs for the common shares represented by those ADSs.

The U.S. Treasury has expressed concerns that parties to whom American depositary shares are released before delivery of shares to the depositary bank (“pre-release”), or intermediaries in the chain of ownership between holders and the issuer of the security underlying the American depositary shares, may be taking actions that are inconsistent with the claiming of foreign tax credits by the holders of American depositary shares. Such actions would also be inconsistent with the claiming of the preferential rates of tax applicable to dividends received by certain non-corporate U.S. holders. Accordingly, the creditability of ROC taxes and the availability of the preferential tax rates for dividends received by certain non-corporate U.S. Holders, both described below, could be affected by actions that may be taken by such parties or intermediaries.

U.S. Holders should consult their tax advisers with regard to the application of the U.S. federal income tax laws to their common shares or ADSs as well as any tax consequences arising under the laws of any state, local or non-U.S. taxing jurisdiction.

## Dividends

Distributions paid on our common shares or ADSs (other than certain *pro rata* distributions of our common shares to all shareholders, including holders of ADSs), including the amount of any ROC taxes withheld thereon, reduced by any credit against the withholding tax on account of the 10% retained earnings tax imposed on us, generally will constitute foreign-source dividend income to the extent paid out of our current or accumulated earnings and profits as determined in accordance with U.S. federal income tax principles. Because we do not maintain calculations of our earnings and profits under U.S. federal income tax principles, we expect that distributions generally will be reported to U.S. Holders as dividends. The amount a U.S. Holder will be required to include in income for any dividend paid in NT dollars will be equal to the U.S. dollar value of the NT dollars paid, calculated by reference to the exchange rate in effect on the date the payment is received by the depositary (in the case of ADSs) or by a U.S. Holder (in the case of common shares), regardless of whether the payment is in fact converted into U.S. dollars on the date of receipt. If a U.S. Holder does not convert the NT dollars so received into U.S. dollars on the date of receipt, any gain or loss recognized on a subsequent sale or other disposition of the NT dollars generally will be U.S.-source ordinary income or loss. The amount of any taxable distribution of property other than cash will be the fair market value of such property on the date of distribution. Dividends will not be eligible for the dividends-received deduction generally

available to U.S. corporations under the Code.

Subject to applicable limitations and the discussion above regarding concerns expressed by the U.S. Treasury, under current law, certain dividends paid by qualified foreign corporations to certain non-corporate U.S. Holders are taxable at the preferential rates applicable to long-term capital gain. A foreign corporation is treated as a qualified foreign corporation with respect to dividends paid by that corporation on shares (or ADSs representing such shares) that are readily tradable on a securities market in the United States, such as the NYSE, where our ADSs are traded. U.S. Holders should consult their tax advisers to determine whether these preferential rates may apply to dividends they receive and whether they are subject to any special rules that limit their ability to be taxed at these preferential rates.

Subject to applicable limitations and restrictions, some of which vary depending upon the U.S. Holder's circumstances, and the discussion above regarding concerns expressed by the U.S. Treasury, the ROC taxes withheld from dividend distributions, reduced by any credit against the withholding tax which is paid by us on account of the 10% retained earnings tax, will be eligible for credit against the U.S. Holder's U.S. federal income tax liability. The limitation on foreign taxes eligible for credit is calculated separately with respect to specific classes of income. The rules governing foreign tax credits are complex and, therefore, U.S. Holders should consult their tax advisers regarding the availability of foreign tax credits in their particular circumstances. Instead of claiming a credit, U.S. Holders may, at their election, deduct otherwise creditable ROC taxes in computing their taxable income, subject to generally applicable limitations under U.S. law. An election to deduct foreign taxes instead of claiming foreign tax credits applies to all taxes paid or accrued in the taxable year to foreign countries and possessions of the United States.

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Certain *pro rata* distributions of common shares by a company to its shareholders, including holders of ADSs, will not be subject to U.S. federal income tax. Accordingly, these distributions will not give rise to U.S. federal income against which the ROC tax imposed on these distributions may be credited. U.S. Holders should consult their tax advisers as to whether any ROC tax imposed on such distributions may be creditable against their U.S. federal income tax on foreign-source income from other sources.

## Capital Gains

A U.S. Holder generally will recognize U.S.-source capital gain or loss for U.S. federal income tax purposes on the sale or exchange of our common shares or ADSs, which will be long-term capital gain or loss if our common shares or ADSs were held by the U.S. Holder for more than one year. The amount of gain or loss will be equal to the difference between the U.S. Holder's tax basis in our common shares or ADSs disposed of and the amount realized on disposition, in each case as determined in U.S. dollars. A U.S. Holder's basis in our common shares or ADSs will generally equal the U.S. Holder's cost of such common shares or ADSs. If a U.S. Holder receives our common shares or ADSs in a non-taxable *pro rata* distribution with respect to its ADSs or common shares (the "new securities"), the basis of such new securities must be determined by allocating the basis of the common shares or ADSs with respect to which the new securities were issued (the "old securities") between the old securities and new securities in proportion to their fair market values on the date of distribution. U.S. Holders should consult their tax advisers about the treatment of capital gains, which may be taxed at lower rates than ordinary income for non-corporate taxpayers, and capital losses, the deductibility of which may be limited.

## Passive Foreign Investment Company Rules

We believe that we were not a passive foreign investment company, or "PFIC", for U.S. federal income tax purposes for our 2016 taxable year. However, since PFIC status depends upon the composition of a company's income and assets and the market value of its assets (including, among others, less than 25 percent owned equity investments) from time to time, there can be no assurance that we will not be considered a PFIC for any taxable year.

If we were a PFIC for any taxable year during which a U.S. Holder held a common share or an ADS, certain adverse consequences could apply to that U.S. Holder. If we are a PFIC for any taxable year during which a U.S. Holder owns a common share or an ADS, such U.S. Holder will generally be required to file Internal Revenue Service Form 8621 with their annual U.S. federal income tax returns, subject to certain exceptions.

## Information Reporting and Backup Withholding



Payments of dividends and sales proceeds that are made within the United States or through certain U.S.-related financial intermediaries generally are subject to information reporting, and may be subject to backup withholding, unless (i) the U.S. Holder is an exempt recipient or (ii) in the case of backup withholding, the U.S. Holder provides a correct taxpayer identification number and certifies that it is not subject to backup withholding.

The amount of any backup withholding from a payment to a U.S. Holder will be allowed as a credit against the U.S. Holder's U.S. federal income tax liability and may entitle it to a refund, provided that the required information is timely furnished to the Internal Revenue Service.

#### DIVIDENDS AND PAYING AGENTS

Not applicable.

#### STATEMENT BY EXPERTS

Not applicable.

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DOCUMENTS ON DISPLAY

We file annual reports on Form 20-F and periodic reports on Form 6-K with the SEC. You can read and copy these reports and other information at the SEC's Public Reference Room at 450 Fifth Street, N.W., Washington, D.C. 20549. You can also request copies of the documents, upon payment of a duplicating fee, by writing to the Public Reference Section of the SEC. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the Public Reference Room. The reports and other information we file electronically with the SEC are also available to the public from the SEC's website at <http://www.sec.gov>.

SUBSIDIARY INFORMATION

Not applicable.

Item 11. Quantitative and Qualitative Disclosures about Market Risk

Market Risk

Our exposure to financial market risks relates primarily to changes in interest rates and foreign currency exchange rates.

**Interest Rate Risk.** Our exposure to interest rate risks relates primarily to our long-term floating rate loans, which is normally incurred to support our corporate activities and capital expenditures. See note 32 to our consolidated financial statements included in this annual report for details on interest rate sensitivity analysis.

We entered into several interest rate swap contracts to mitigate the interest rate risk on our long-term loans. In April 2013, J&R Holding Limited entered into an interest rate swap contract in the amount of RMB240.0 million, which matured in April 2014, with interest receipt based on a floating rate of 1.05% to 2.80% and payment based on a fixed rate of 2.0%. In February 2014, J&R Holding Limited entered into another interest rate swap contract in the amount of RMB240.0 million, which had the maturity schedule in February 2015 but was early settled in May 2014, with interest receipt based on a floating rate of 1.20% to 1.40% and payment based on a fixed rate of 1.35%. We recognized these contracts as hedging derivative liabilities-current with an adjustment to shareholders' equity.

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In October 2015, we entered into an interest rate swap contract in the amount of NT\$1,000.0 million, which matured in October 2016, with interest receipt based on a floating rate of 0.00% to 5.00% and payment based on a fixed rate of 4.60%. We recognized it as financial liabilities held for trading with an adjustment to profit or loss.

The tables below set forth information relating to our significant obligations, including short-term borrowings and long-term borrowings, including bank loans, bills payable, capital lease obligations and bonds payable, that are sensitive to interest rate fluctuations as of December 31, 2016.

	Expected Maturity Date						Total	Fair Value
	2017	2018	2019	2020	2021	Thereafter		
(in millions, except percentages)								
<b>Short-term borrowings:</b>								
Variable rate (US\$)	134.7	-	-	-	-	-	134.7	134.7
Average interest rate	1.86 %	-	-	-	-	-	1.86 %	
Fixed rate (US\$)	195.7	-	-	-	-	-	195.7	195.7
Average interest rate	1.38 %	-	-	-	-	-	1.38 %	
Variable rate (RMB)	2,115.0	-	-	-	-	-	2,115.0	2,115.0
Average interest rate	5.32 %	-	-	-	-	-	5.32 %	
Fixed rate (RMB)	84.7	-	-	-	-	-	84.7	84.7
Average interest rate	3.69 %	-	-	-	-	-	3.69 %	
Fixed rate (EUR)	2.2	-	-	-	-	-	2.2	2.2
Average interest rate	0.70 %	-	-	-	-	-	0.70 %	
<b>Long-term borrowings:</b>								
Variable rate (NT\$)	1,222.2	26,611.1	6,403.3	-	-	-	34,236.6	34,236.6
Average interest rate	0.93 %	1.23 %	1.70 %	-	-	-	1.30 %	
Fixed rate (NT\$)	-	1,500.0	-	-	7,000.0	2,000.0	10,500.0	10,500.0
Average interest rate	-	1.20 %	-	-	1.30 %	1.50 %	1.32 %	
Variable rate (US\$)	163.0	240.0	-	-	-	-	403.0	403.0
Average interest rate	3.28 %	3.27 %	-	-	-	-	3.28 %	
Fixed rate (US\$)	302.4	0.1	-	-	-	-	302.5	302.5
Average interest rate	2.14 %	5.71 %	-	-	-	-	2.14 %	
Variable rate (RMB)	19.1	76.2	162.0	171.5	171.5	344.0	944.3	944.3
Average interest rate	5.86 %	6.12 %	6.31 %	6.55 %	6.79 %	7.00 %	6.67 %	
Fixed rate (RMB)	0.0	-	-	-	-	-	0.0	0.0
Average interest rate	2.29 %	-	-	-	-	-	2.29 %	

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**Foreign Currency Exchange Rate Risk.** Our foreign currency exposure gives rise to market risk associated with exchange rate movements against the NT dollar, our functional currency. Currently, the majority of our revenues are denominated in U.S. dollars, with a portion denominated in NT dollars and Japanese yen. Our costs of revenues and operating expenses are incurred in several currencies, primarily in NT dollars, U.S. dollars, RMB, Japanese yen, Korean won, as well as, to a lesser extent, Singapore dollars and Malaysian ringgit. In addition, a substantial portion of our capital expenditures, primarily for the purchase of packaging and testing equipment, has been, and is expected to continue to be, denominated primarily in U.S. dollars with the remainder in Japanese yen. The majority of our borrowings are denominated in NT dollars, U.S. dollars and RMB. Fluctuations in exchange rates, primarily among the U.S. dollar against the NT dollar, RMB and the Japanese yen, will affect our costs and operating margins and could result in exchange losses and increased costs in NT dollar and other local currency terms. See note 32 to our consolidated financial statements included in this annual report for details on foreign currency exchange rate sensitivity analysis.

Despite hedging and mitigating techniques implemented by us, fluctuations in exchange rates have affected, and may continue to affect, our financial condition and results of operations. We recorded net foreign exchange losses of NT\$1,222.0 million and NT\$713.2 million in 2014 and 2015, respectively, and net foreign exchange gains of NT\$1,928.4 million (US\$59.5 million) in 2016. To protect against reductions in value and the volatility of future cash flows caused by changes in foreign currency exchange rates, we utilize currency forward contracts and swap contracts from time to time to reduce the impact of foreign currency fluctuations on our results of operations. Our policy is to account for these contracts on a mark-to-market rate basis.

The table below sets forth our outstanding forward exchange contracts and swap contracts, for which the expected maturity dates are in 2017, in aggregate terms by type of contract as of December 31, 2016.

## Forward Exchange Contracts and Swap Contracts

	Forward Exchange Contracts	Swap Contracts
<b>Buy US\$ against NT\$</b>		
Notional Amount	US\$90 million	US\$1,871.0 million
Weighted Average Strike Price	US\$/NT\$ 31.581	US\$/NT\$ 31.960
Fair Value	US\$1.816 million	US\$4.956 million
<b>Sell US\$ against NT\$</b>		
Notional Amount	US\$190.0 million	US\$61.0 million
Weighted Average Strike Price	US\$/NT\$ 32.102	US\$/NT\$ 32.113
Fair Value	Negative US\$0.700 million	Negative US\$0.245 million
<b>Sell US\$ against RMB</b>		
Notional Amount	US\$70 million	US\$49.9 million
Weighted Average Strike Price	US\$/RMB 6.926	US\$/RMB 7.009

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Fair Value	Negative US\$0.241 million	Negative US\$0.023 million
Sell US\$ against JPY		
Notional Amount	US\$43.9 million	US\$77.2 million
Weighted Average Strike Price	US\$/JP¥ 115.410	US\$/JP¥ 111.467
Fair Value	Negative US\$0.542 million	Negative US\$3.472 million
Sell US\$ against MYR		
Notional Amount	US\$19.0 million	-
Weighted Average Strike Price	US\$/MYR 4.450	-
Fair Value	Negative US\$0.174 million	-
Sell US\$ against SGD		
Notional Amount	US\$12.9 million	-
Weighted Average Strike Price	US\$/SGD 1.402	-
Fair Value	Negative US\$0.402 million	-
Sell US\$ against KRW		
Notional Amount	US\$35 million	-
Weighted Average Strike Price	US\$/KRW 1,171.791	-
Fair Value	Negative US\$1.054 million	-
Sell US\$ against EUR		
Notional Amount	US\$0.3 million	-
Weighted Average Strike Price	US\$/EUR 0.960	-
Fair Value	US\$0.000million	-

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**Other Market Risk.** Our exposure to other market risk relates primarily to our investments in publicly-traded stock, private-placement bonds, open-end mutual funds and limited partnership interests. The value of these investments may fluctuate based on various factors including prevailing market conditions. Moreover, the fair value of investments in unlisted securities may be significantly different from their carrying value. As of December 31, 2016, our investments in publicly traded stock, open-end mutual funds and private-placement bonds classified as financial assets at fair value through profit or loss were NT\$2,540.6 million (US\$78.4 million). As of December 31, 2016, our investments classified as available-for-sale financial assets were NT\$1,295.0 million (US\$40.0 million), primarily consisting of publicly-traded stock, open-end mutual funds and limited partnership interests. If the fair values of these investments fluctuate by 1.0%, our profit before income tax will increase or decrease by approximately NT\$26.0 million (US\$0.8 million) for the same period, and our other comprehensive before income tax will increase or decrease by approximately NT\$13.0 million (US\$0.4 million) for the same period. In addition, we are also exposed to our share price risk through conversion option, redemption option and put option of convertible bonds recognized as financial liabilities held for trading. If our share price increases or decreases by 7.0%, our profit before income tax for the year ended December 31, 2016 will decrease by NT\$510.0 million (US\$15.7 million) or increase by NT\$445.0 million (US\$13.7 million), respectively. Furthermore, fluctuations in gold prices may also affect the price at which we have been able to purchase gold wire. How this will impact the results of our operations depends on whether such costs can be transferred onto our customers.

Item 12. Description of Securities Other Than Equity Securities

DEBT SECURITIES

Not applicable.

WARRANTS AND RIGHTS

Not applicable.

OTHER SECURITIES

Not applicable.

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AMERICAN DEPOSITARY SHARES

Depositary Fees and Charges

Under the terms of the amended and restated deposit agreement dated September 29, 2000 among Citibank, N.A., as depositary, holders and beneficial owners of ADSs and us, which was filed as an exhibit to our registration statement on Form F-6 on September 16, 2003, and its two amendments, which were filed as an exhibit to our registration statement on post-effective amendment No. 1 to Form F-6 on April 3, 2006 and our registration statement on post-effective amendment No. 2 to Form F-6 on October 25, 2006, respectively, for our ADSs, an ADS holder may have to pay the following service fees to the depositary bank:

Service	Fees
Issuance of ADSs	Up to US\$5.00 per 100 ADSs (or fraction thereof) issued
Delivery of deposited securities against surrender of ADSs	Up to US\$5.00 per 100 ADSs (or fraction thereof) surrendered
Distribution of cash dividends or other cash distributions	Up to US\$5.00 per 100 ADSs (or fraction thereof) held, unless prohibited by the exchange upon which the ADSs are listed
Distribution of ADSs pursuant to (i) stock dividends or other free stock distributions, or (ii) exercises of rights to purchase additional ADSs	Up to US\$5.00 per 100 ADSs (or fraction thereof) held, unless prohibited by the exchange upon which the ADSs are listed
Distribution of securities other than ADSs or rights to purchase additional ADSs	Up to US\$5.00 per 100 ADSs (or fraction thereof) held
Depositary Services	Up to US\$5.00 per 100 ADSs (or fraction thereof) held, unless prohibited by the exchange upon which the ADSs are listed
Transfer of ADRs	US\$1.50 per certificate presented for transfer

An ADS holder will also be responsible to pay certain fees and expenses incurred by the depositary bank and certain taxes and governmental charges such as:

· taxes (including applicable interest and penalties) and other governmental charges;

· such registration fees as may from time to time be in effect for the registration of shares or other deposited securities on the share register and applicable to transfers of shares or other deposited securities to or from the name of the custodian, the depositary or any nominees upon the making of deposits and withdrawals, respectively;

such cable, telex and facsimile transmission and delivery expenses as are expressly provided in the Deposit Agreement to be at the expense of the person depositing or withdrawing shares or holders and beneficial owners of ADSs;

the expenses and charges incurred by the depositary in the conversion of foreign currency;

such fees and expenses as are incurred by the depositary in connection with compliance with exchange control regulations and other regulatory requirements applicable to shares, deposited securities, ADSs and ADRs; and

the fees and expenses incurred by the depositary, the custodian or any nominee in connection with the servicing or delivery of deposited securities.

Depositary fees payable upon the issuance and cancellation of ADSs are typically paid to the depositary bank by the brokers (on behalf of their clients) receiving the newly-issued ADSs from the depositary bank and by the brokers (on behalf of their clients) delivering the ADSs to the depositary bank for cancellation. The brokers in turn charge these transaction fees to their clients.

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Depository fees payable in connection with distributions of cash or securities to ADS holders and the depository services fee are charged by the depository bank to the holders of record of ADSs as of the applicable ADS record date. Depository fees payable for cash distributions are generally deducted from the cash being distributed. In case of distributions other than cash (*i.e.*, stock dividends, rights offerings), the depository bank charges the applicable fee to the ADS record date holders concurrent with the distribution. In the case of ADSs registered in the name of the investor (whether certificated or un-certificated in direct registration), the depository bank sends invoices to the applicable record date ADS holders. In case of ADSs held in brokerage and custodian accounts via the central clearing and settlement system, The Depository Trust Company (DTC), the depository bank generally collects its fees through the systems provided by DTC (whose nominee is the registered holder of the ADSs held in DTC) from the brokers and custodians holding ADSs in their DTC accounts. The brokers and custodians who hold their clients' ADSs in DTC accounts in turn charge their clients' accounts the amount of the fees paid to the depository banks.

In the event of refusal to pay depository fees, the depository bank may, under the terms of the Deposit Agreement, refuse the requested service until payment is received or may set-off the amount of the depository fees from any distribution to be made to the ADS holder. Note that the fees and charges you may be required to pay may vary over time and may be changed by us and by the depository bank. You will receive prior notice of such changes.

## Depository Payments

In 2016, we received US\$71,991.8 from Citibank, N.A., the depository bank for our ADR programs. The table below sets forth details of the amount we received from Citibank, N.A.

Depository Payments	
Reimbursement of proxy process expenses	US\$11,922.1
Reimbursement of ADR holders identification expenses	US\$9,102.7
Reimbursement of legal fees	US\$30,967.0
Direct reimbursement	US\$H.0
<b>Net payment received by us<sup>(1)</sup></b>	<b>US\$ 71,991.8</b>

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(1) Net of U.S. withholding tax.

## PART II

## Item 13. Defaults, Dividend Arrearages and Delinquencies

Not applicable.

Item 14. Material Modifications to the Rights of Security Holders and Use of Proceeds

Not applicable.

Item 15. Controls and Procedures

Disclosure Controls and Procedures

As of December 31, 2016, our management, with the participation of our Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as defined in Rules 13a-15(e) and 15(d)-15(e) under the Exchange Act. Our management necessarily applied its judgment in assessing the costs and benefits of such controls and procedures, which by their nature can provide only reasonable assurance regarding management's control objectives. Based on this evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures are effective for recording, processing, summarizing and reporting, within the time periods specified in the SEC's rules and forms, information required to be disclosed in the reports we file or submit under the Exchange Act, and for accumulating and communicating such information to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

Management's Annual Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as defined in Rule 13a-15(f) and 15d-15(f) promulgated under the Securities Exchange Act of 1934.

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Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Our management assessed the effectiveness of our internal control over financial reporting as of December 31, 2016. In making this assessment, our management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control-Integrated Framework (2013).

Based on this assessment, management concluded that, as of December 31, 2016, our internal control over financial reporting is effective based on those criteria.

Our independent registered public accounting firm, Deloitte & Touche, independently assessed the effectiveness of our internal control over financial reporting. Deloitte & Touche has issued an attestation report, which is included below.

**Report of the Independent Registered Public Accounting Firm**

To: the Board of Directors and Shareholders of Advanced Semiconductor Engineering, Inc.

We have audited the internal control over financial reporting of Advanced Semiconductor Engineering, Inc. and its subsidiaries (the "Company") as of December 31, 2016, based on the criteria established in Internal Control-Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission. The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed by, or under the supervision of, the company's principal executive and principal financial officers, or persons performing similar functions, and effected by the company's board of directors, management, and other personnel to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of the inherent limitations of internal control over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may not be prevented or detected on a timely basis. Also, projections of any evaluation of the effectiveness of the internal control over financial reporting to future periods are subject to the risk that the controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2016, based on the criteria established in Internal Control-Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

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We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated financial statements of the Company as of and for the year ended December 31, 2016 and our report dated April 18, 2017 expressed an unqualified opinion on those financial statements based on our audit and the report of the other auditors and included an explanatory paragraph regarding the convenience translation of New Taiwan dollar amounts into U.S. dollar amounts.

/s/ Deloitte & Touche

Taipei, Taiwan

The Republic of China

April 18, 2017

Changes in Internal Control Over Financial Reporting

There has been no change in our internal control over financial reporting that occurred during the period covered by this annual report that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Item 16. [Reserved]

Item 16A. Audit Committee Financial Expert

Our board of directors determined that Shen-Fu Yu, Ta-Lin Hsu and Mei-Yueh Ho are audit committee financial experts as defined under the applicable rules of the SEC issued pursuant to Section 407 of the Sarbanes-Oxley Act of 2002 and are independent for the purposes of Rule 10A-3 of the Exchange Act.

Item 16B. Code of Ethics

We have adopted a code of ethics that satisfies the requirements of Item 16B of Form 20-F and applies to all employees, officers, supervisors and directors of our Company and subsidiaries, including our Chief Executive Officer, Chief Financial Officer and principal accounting officer. Our board of directors has approved and adopted the amended Code of Business Conduct and Ethics (“the Amended Code”) which came into force with effect from April 28, 2016. The amendments aim to build more robust and effective policies and procedures to enable high ethical standards of business conduct that can be persistently maintained, and mainly addressed revised policies with respect to anti-corruption, fair competition, avoidance of conflict of interest, prohibition against insider trading, anti-money laundering, protection to labor as well as whistleblowing policy and regulatory compliance. The Amended Code continues to apply to all employees, officers, supervisors and directors of our Company and subsidiaries, including our Chief Executive Officer, Chief Financial Officer and principal accounting officer. We have posted our code of ethics on our website at <http://www.aseglobal.com>.

#### Item 16C. Principal Accountant Fees and Services

##### Policy on Pre-Approval of Audit and Non-Audit Services of Independent Registered Public Accounting Firm

Our audit committee, which was established on July 22, 2005, pre-approves all audit and non-audit services provided by our independent registered public accounting firm, including audit services, audit-related services, tax services and other services, on a case-by-case basis.

##### Independent Registered Public Accounting Firm’s Fees

The following table sets forth the aggregate fees by categories specified below in connection with certain professional services rendered by Deloitte & Touche. We did not pay any other fees to our independent registered public accounting firm during the periods indicated below.

	For the Year Ended December 31,			US\$
	2014 NT\$	2015 NT\$	2016 NT\$	
Audit fees <sup>(1)</sup>	158,962.4	161,476.9	165,172.5	5,097.9
Audit-related fees <sup>(2)</sup>	5,000.0	4,000.0	7,450.0	230.0
Tax fees <sup>(3)</sup>	20,160.6	13,020.0	15,264.7	471.1
All other fees <sup>(4)</sup>	5,592.2	10,541.6	7,375.0	227.6
Total	189,715.2	189,038.5	195,262.2	6,026.6

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Audit fees are defined as the standard audit and review work that needs to be performed each year in order to issue an opinion on our consolidated financial statements and to issue reports on the local statutory financial statements.

(1) It also includes services that can only be provided by our auditor such as statutory audits required by the Tax Bureau of the ROC and the Customs Bureau of the ROC, consents and comfort letters and any other audit services required for SEC or other regulatory filings.

(2) Audit-related fees consist of assurance and related services by Deloitte & Touche that are reasonably related to the performance of the audit or review of our financial statements and are not reported above under Audit Fees. The service for the fees disclosed under this category relate to cash capital increase and bonds offering.

(3) Tax fees consist of professional services rendered by Deloitte & Touche for tax compliance and tax advice. The services for the fees disclosed under this category include tax return preparation and technical tax advice.

(4) Other fees primarily consist of risk management advisory fee and business operation and process advisory fee, among others.

Item 16D. Exemptions from the Listing Standards for Audit Committees

Not applicable.

Item 16E. Purchases of Equity Securities by the Issuer and Affiliated Purchasers

***Share Repurchase***

On November 29, 2010, we announced a share repurchase program, or Third Share Repurchase, to repurchase up to 37.0 million of our common shares at prices between NT\$25.0 to NT\$41.0 per share during the period from November 30, 2010 to January 28, 2011. This share repurchase program concluded on December 6, 2010, when a total of 37.0 million of our common shares had been repurchased pursuant to this program. As of January 19, 2011, all of these common shares we repurchased had been cancelled. On August 15, 2011, we announced a share repurchase program, or Fourth Share Repurchase, to repurchase up to 34.0 million of our common shares at prices between

NT\$20.0 to NT\$45.0 per share during the period from August 16, 2011 to October 15, 2011. This share repurchase program concluded on August 29, 2011, when a total of 34.0 million of our common shares had been repurchased pursuant to this program. On September 1, 2011, we announced a share repurchase program, or Fifth Share Repurchase, to repurchase up to 50.0 million of our common shares at prices between NT\$20.0 to NT\$42.0 per share during the period from September 2, 2011 to November 1, 2011. This share repurchase program concluded on September 16, 2011, when a total of 50.0 million of our common shares had been repurchased pursuant to this program. On September 20, 2011, we announced a share repurchase program, or Sixth Share Repurchase, to repurchase up to 30.0 million of our common shares at prices between NT\$22.0 to NT\$40.0 per share during the period from September 21, 2011 to November 20, 2011. This share repurchase program concluded on November 20, 2011, when a total of 21.475 million of our common shares had been repurchased pursuant to this program. As of January 19, 2012, all of these common shares we repurchased had been cancelled. On February 26, 2015, we announced a share repurchase program, or Seventh Share Repurchase, approved by our board of directors, to repurchase up to 120.0 million of our common shares, which accounts for 1.53% of our total issued shares, at prices between NT\$32.0 to NT\$55.0 per share during the period from March 2, 2015 to April 30, 2015. The program authorized us to repurchase up to NT\$6,600 million worth of our issued common shares in open market transactions. This share repurchase program concluded on March 27, 2015. A total of 120.0 million of our common shares had been repurchased pursuant to this program.

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The table below sets forth certain information about the repurchase of our common shares under these share repurchase programs.

Period	Total Number of Common Shares Purchased	Average Price Paid Per Common Share	Total Number of Common Shares Purchased as Part of Publicly Announced Programs	Maximum Number (or Approximate Dollar Value) of Common Shares that May Yet Be Purchased Under the Programs
<b>Third Share Repurchase</b>				
November 2010 (November 30, 2010)	7,300,000	31.48	7,300,000	29,700,000
December 2010 (December 1, 2010 – December 6, 2010)	29,700,000	32.17	29,700,000	-
Total	37,000,000	32.03	37,000,000	-
<b>Fourth Share Repurchase</b>				
August 2011 (August 16, 2011 – August 29, 2011)	34,000,000	25.72	34,000,000	-
<b>Fifth Share Repurchase</b>				
September 2011 (September 2, 2011 – September 16, 2011)	50,000,000	26.68	50,000,000	-
<b>Sixth Share Repurchase</b>				
September 2011 (September 21, 2011 – September 30, 2011)	6,488,000	27.15	6,488,000	23,512,000
October 2011 (October 1, 2011 – October 31, 2011)	14,316,000	25.85	20,804,000	9,196,000
November 2011 (November 1, 2011 – November 20, 2011)	671,000	26.72	21,475,000	8,525,000
Total	21,475,000	26.27	21,475,000	8,525,000
<b>Seventh Share Repurchase</b>				
March 2015 (March 2, 2015 – March 27, 2015)	120,000,000	44.45	120,000,000	-

## Item 16F. Change In Registrant's Certifying Accountant

Not applicable.

## Item 16G. Corporate Governance

As a company listed on the NYSE, we are subject to certain corporate governance rules of the NYSE. The application of the NYSE's corporate governance rules is limited for foreign private issuers, recognizing that they have to comply with domestic requirements. As a foreign private issuer, we must comply with the following NYSE corporate governance rules: 1) satisfy the audit committee requirements of the SEC; 2) chief executive officer must promptly notify the NYSE in writing upon becoming aware of any material non-compliance with applicable NYSE corporate

governance rules; 3) submit annual and interim affirmations to the NYSE regarding compliance with applicable NYSE corporate governance requirements; and 4) provide a brief description of any significant differences between our corporate governance practices and those required of U.S. companies under the NYSE listing standards. The table below sets forth the significant differences between our corporate governance practices and those required of U.S. companies under the NYSE listing standards.

New York Stock Exchange  
Corporate Governance  
Rules Applicable to U.S.  
Companies

Description of Significant Differences between Our Governance Practices and the  
NYSE Corporate Governance Rules Applicable to U.S. Companies

Director independence

Listed companies must have  
a majority of independent  
directors, as defined under  
the NYSE listing standards.

Three members of our board of directors are independent as defined in Rule 10A-3 under the Exchange Act. We do not assess the independence of our directors under the independence requirements of the NYSE listing standards. Pursuant to relevant laws and regulations of the ROC, we have three independent directors on our board of directors that were elected through the candidate nomination system at our annual general meeting on June 23, 2015.

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<p>New York Stock Exchange Corporate Governance Rules Applicable to U.S. Companies</p>	<p>Description of Significant Differences between Our Governance Practices and the NYSE Corporate Governance Rules Applicable to U.S. Companies</p>
<p>To empower non-management directors to serve as a more effective check on management, the non-management directors of each company must meet at regularly scheduled executive sessions without management. Nominating/Corporate governance committee</p>	<p>All of our directors attend the meetings of the board of directors. Our non-management directors do not meet at regularly scheduled executive sessions without management. The ROC Company Law does not require companies incorporated in the ROC to have their non-management directors meet at regularly scheduled executive sessions without management.</p>
<p>Listed companies must have a nominating/corporate governance committee composed entirely of independent directors and governed by a written charter that provides for certain responsibilities of the committee set out in the NYSE listing standards.</p>	<p>We do not have a nominating/corporate governance committee. The ROC Company Law does not require companies incorporated in the ROC to have a nominating/corporate governance committee. Currently, our board of directors performs the duties of a corporate governance committee and regularly reviews our corporate governance principles and practices.</p>
<p>Compensation committee</p>	<p>The ROC Company Law requires that directors be elected by shareholders. Under ROC law and regulations, companies that have independent directors are required to adopt a candidate nomination system for the election of independent directors. Our three independent directors were elected through the candidate nomination system provided in our Articles of Incorporation. All of our non-independent directors were elected directly by our shareholders at our shareholders meetings without a nomination process.</p>
<p>Listed companies must have a compensation committee composed entirely of independent directors and governed by a written charter that provides for certain responsibilities of the committee set out in the NYSE listing standards.</p>	<p>We established a compensation committee on September 29, 2011 as required by the regulations promulgated by the FSC in March 2011. The charter of such committee contains similar responsibilities as those provided under NYSE listing standards.</p>
<p>In addition to any requirement of Rule 10A-3(b)(1), all compensation committee members must satisfy the independence requirements for independent directors set out in the NYSE listing standards.</p>	<p>We do not assess the independence of our compensation committee member under the independence requirements of the NYSE listing standards but adopt the independence standard as promulgated under the ROC Regulations Governing the Appointment and Exercise of Powers by the Remuneration Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded Over the Counter.</p>

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New York Stock Exchange Corporate Governance Rules Applicable to U.S. Companies

Description of Significant Differences between Our Governance Practices and the NYSE Corporate Governance Rules Applicable to U.S. Companies

Audit committee

Listed companies must have an audit committee that satisfies the requirements of Rule 10A-3 under the Exchange Act.

We have an audit committee that satisfies the requirements of Rule 10A-3 under the Exchange Act and the requirements under ROC Securities and Exchange Act.

The audit committee must have a minimum of three members. In addition to any requirement of Rule 10A-3(b)(1), all audit committee members must satisfy the independence requirements for independent directors set out in the NYSE listing standards.

We currently have three members on our audit committee. Our audit committee members satisfy the independence requirements of Rule 10A-3 under the Exchange Act. We do not assess the independence of our audit committee member under the independence requirements of the NYSE listing standards.

The audit committee must have a written charter that provides for the duties and responsibilities set out in Rule 10A-3 and addresses certain other matters required by the NYSE listing standards.

Our audit committee charter provides for the audit committee to assist our board of directors in its oversight of (i) the integrity of our financial statements, (ii) the qualifications, independence and performance of our independent auditor and (iii) our compliance with legal and regulatory requirements and provides for the duties and responsibilities set out in Rule 10A-3. Our audit committee charter does not address all the matters required by the NYSE listing standards beyond the requirements of Rule 10A-3.

Each listed company must have an internal audit function.

Because the appointment and retention of our independent auditor are the responsibility of our entire board of directors under ROC law and regulations, our audit committee charter provides that the audit committee shall make recommendations to the board of directors with respect to these matters.

We have an internal audit function. Under the ROC Regulations for the Establishment of Internal Control Systems by Public Companies, a public company is required to set out its internal control systems in writing, including internal audit implementation rules, which must be approved by the board of directors. Our entire board of directors and the Chief Executive Officer are responsible for the establishment of the internal audit functions, compliance with the internal audit implementation rules and oversight of our internal control systems, including the appointment and retention of our independent auditor.

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<p>New York Stock Exchange Corporate Governance Rules Applicable to U.S. Companies</p>	<p>Description of Significant Differences between Our Governance Practices and the NYSE Corporate Governance Rules Applicable to U.S. Companies</p>
<p>Equity compensation plans</p>	<p>The board of directors has authority under ROC laws and regulations to approve (i) the distribution of employee compensation and (ii) employee stock option plans by a majority vote of the board of directors at a meeting where at least two-thirds of all directors are present and to grant options to employees pursuant to such plans provided that shareholders' approval is required if the exercise price of an option would be less than the closing price of the common shares on the TWSE on the grant date of the option, subject to the approval of the Securities and Futures Bureau of the FSC, and to approve treasury stock programs and the transfer of shares to employees under such programs by a majority vote of the board of directors in a meeting where at least two-thirds of all directors are present.</p>
<p>Shareholders must be given the opportunity to vote on all equity compensation plans and material revisions thereto, except for employment inducement awards, certain grants, plans and amendments in the context of mergers and acquisitions, and certain specific types of plans.</p>	
<p>Corporate governance guidelines</p>	<p>We currently comply with the domestic non-binding Corporate Governance Best-Practice Principles for TWSE and Taipei Exchange Listed Companies promulgated by the TWSE and the Taipei Exchange, and we provide an explanation of the differences between our practice and the principles, if any, in our ROC annual report.</p>
<p>Listed companies must adopt and disclose corporate governance guidelines.</p>	
<p>Code of ethics for directors, officers and employees</p>	<p>We have adopted a code of ethics that satisfies the requirements of Item 16B of Form 20-F and applies to all employees, officers, supervisors and directors of our company and our subsidiaries and will disclose any waivers of the code as required by Item 16B of Form 20-F. We have posted our code of ethics on our website.</p>
<p>Listed companies must adopt and disclose a code of business conduct and ethics for directors, officers and employees, and promptly disclose any waivers of the code for directors or executive officers.</p>	
<p>Description of significant differences</p>	<p>This table contains the significant differences between our corporate governance practices and those required of U.S. companies under the NYSE listing standards.</p>
<p>Listed foreign private issuers must disclose any significant ways in which their corporate governance practices differ from those followed by domestic companies under NYSE listing standards.</p>	
<p>CEO certification</p>	<p>As a foreign private issuer, we are not required to comply with this rule; however, our Chief Executive Officer provides certifications under Sections 302 and 906 of the Sarbanes-Oxley Act.</p>
<p>Each listed company CEO must certify to the NYSE each year that he or she is not aware of any violation by the company of NYSE corporate</p>	

governance listing standards,  
qualifying the certification to the  
extent necessary.

Each listed company CEO must  
promptly notify the NYSE in writing  
after any executive officer of the  
listed company becomes aware of  
any material non-compliance with  
any applicable provisions of Section  
303A.

We intend to comply with this requirement.

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New York Stock Exchange Corporate Governance  
Rules Applicable to U.S. Companies

Description of Significant  
Differences between Our  
Governance Practices and the  
NYSE Corporate Governance  
Rules Applicable to U.S.  
Companies

Each listed company must submit an executed Written Affirmation annually to the NYSE. In addition, each listed company must submit an interim Written Affirmation each time a change occurs to the board or any of the committees subject to Section 303A. The annual and interim Written Affirmations must be in the form specified by the NYSE.

We have complied with this requirement to date and intend to continue to comply going forward.

Website

Listed companies must have and maintain a publicly accessible website.

We have and maintain a publicly accessible website.

Item 16H. Mine Safety Disclosure

Not applicable.

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PART III

Item 17. Financial Statements

The Company has elected to provide financial statements for fiscal year 2016 and the related information pursuant to Item 18.

Item 18. Financial Statements

Reference is made to pages F-1 to F-94 of this annual report.

The consolidated financial statements of the Company and the report thereon by its independent registered public accounting firm listed below are attached hereto as follows:

- (a) Report of Independent Registered Public Accounting Firm of the Company dated April 18, 2017 (page F-1).
- (b) Report of Independent Registered Public Accounting Firm of SPIL dated March 23, 2017 (page F-2).
- (c) Consolidated Balance Sheets of the Company and subsidiaries as of December 31, 2015 and 2016 (page F-3 to F-4).
- (d) Consolidated Statements of Comprehensive Income of the Company and subsidiaries for the years ended December 31, 2014, 2015 and 2016 (page F-5 to F-6).
- (e) Consolidated Statements of Changes in Equity of the Company and subsidiaries for the years ended December 31, 2014, 2015 and 2016 (page F-7 to F-8).
- (f) Consolidated Statements of Cash Flows of the Company and subsidiaries for the years ended December 31, 2014, 2015 and 2016 (pages F-9 to F-10).
- (g) Notes to Consolidated Financial Statements of the Company and subsidiaries (pages F-11 to F-94).

**Item 19. Exhibits**

1. Articles of Incorporation of the Registrant (English translation of Chinese).

Amended and Restated Deposit Agreement dated as of September 29, 2000 among ASE Inc., Citibank N.A., as depositary, and Holders and Beneficial Holders of American Depositary Shares evidenced by American

2. (a) Depositary Receipts issued thereunder, including the form of American Depositary Receipt (incorporated by reference to Exhibit (a) to our registration statement on Form F-6 (File No. 333-108834) filed on September 16, 2003).

Letter Agreement dated as of February 1, 2001 by and between ASE Inc. and Citibank N.A., as depositary for the sole purpose of accommodating the surrender of ASE Inc.'s Rule 144A Global Depositary Shares, the issuance of American Depositary Shares and the delivery of American

- (b) Depositary Receipts in the context of the termination of ASE Inc.'s Rule 144A Depositary Receipts Facility (incorporated by reference to Exhibit (b)(i) to our registration statement on Post-Effective Amendment No. 1 to Form F-6 (File No. 333-108834) filed on April 3, 2006).

Letter Agreement dated as of September 25, 2003 by and between ASE Inc. and Citibank N.A., as depositary for the sole purpose of accommodating the issuance of American Depositary Shares upon ASE Inc.'s deposit of its shares with the depositary following the conversion of certain bonds issued by ASE Inc. in accordance with, and subject to, the terms and conditions of the indenture governing such bonds (incorporated by reference to Exhibit (b)(ii) to our registration statement on Post-Effective Amendment No. 1 to Form F-6 (File No. 333-108834) filed on April 3, 2006).

- (c)

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Amendment No. 1 to Amended and Restated Deposit Agreement dated as of April 6, 2006 among ASE Inc., Citibank N.A., as depositary, and Holders and Beneficial Holders of American Depositary Shares evidenced by (d) American Depositary Receipts issued thereunder, including the form of American Depositary Receipt (incorporated by reference to Exhibit (a)(ii) to our registration statement on Post-Effective Amendment No. 2 to Form F-6 (File No. 333-108834) filed on October 25, 2006).

Form of Amendment No. 2 to Amended and Restated Deposit Agreement among ASE Inc., Citibank N.A., as depositary, and Holders and Beneficial Holders of American Depositary Shares evidenced by American Depositary (e) Receipts issued thereunder, including the form of American Depositary Receipt (incorporated by reference to Exhibit (a)(iii) to our registration statement on Post-Effective Amendment No. 2 to Form F-6 (File No. 333-108834) filed on October 25, 2006).

Form of Deposit Agreement among ASE Industrial Holding Co., Ltd., Citibank N.A., as depositary, and Holders and Beneficial Holders of American Depositary Shares evidenced by American Depositary Receipts issued (f) thereunder, including the form of American Depositary Receipt (incorporated by reference to Exhibit (a) to our registration statement on Form F-6 (File No. 333-214753) filed on November 22, 2016).

4. (a) Asset Purchase Agreement dated as of July 3, 1999 among ASE (Chung Li) Inc., ASE Inc., Motorola Electronics Taiwan, Ltd. and Motorola, Inc. (incorporated by reference to Exhibit 10.2 to ASE Test's registration statement on Form F-3 (File No. 333-10892) filed on September 27, 1999 (the "ASE Test 1999 Form-3"))).

Agreement dated as of June 5, 2002 among ASE (Chung Li) Inc., ASE Inc., Motorola Electronics Taiwan, Ltd. and Motorola, Inc. amending certain earn-out arrangements provided for in Section 2.09(b)(ii)(D) of the Asset (b) Purchase Agreement dated as of July 3, 1999 among the same parties (incorporated by reference to Exhibit 4(b) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2002 filed on June 30, 2003).

Stock Purchase Agreement dated as of July 3, 1999 among ASE Investment (Labuan) Inc., ASE Inc., Motorola (c) Asia Ltd. and Motorola, Inc. relating to the purchase and sale of 100.0% of the common stock of Motorola Korea Ltd. (incorporated by reference to Exhibit 10.3 to the ASE Test 1999 Form F-3).

(d) BGA Immunity Agreement dated as of January 25, 1994 between ASE Inc. and Motorola, Inc. (incorporated by reference to Exhibit 10.6 to the Form F-1).

Amendment dated March 18, 2003 renewing the BGA Immunity Agreement dated as of January 25, 1994 between (e) ASE Inc. and Motorola, Inc. (incorporated by reference to Exhibit 4(g) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2003 filed on June 30, 2004).

(f) Consent dated June 10, 2004 to the Assignment of the BGA Immunity Agreement between ASE Inc. and Motorola, Inc. dated January 25, 1994 (incorporated by reference to Exhibit 4(h) to our annual report on Form 20-F (File No.

001-16125) for the year ended December 31, 2003 filed on June 30, 2004).

Asset Purchase Agreement by and among Flextronics Manufacturing (M) Sdn Bhd, as Buyer, ASE Electronics (M) (g) Sdn. Bhd. as Company, dated as of October 3, 2005 (incorporated by reference to Exhibit 4(g) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2005 filed on June 19, 2006).

Joint Venture Agreement dated as of July 14, 2006 among Advanced Semiconductor Engineering, Inc. and (h) Powerchip Semiconductor Corp. relating to the establishment of, and our investment of 60.0% in, PowerASE (incorporated by reference to Exhibit 4(r) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2006 filed on June 25, 2007, as amended).

Sale and Purchase Agreement dated January 11, 2007 among J&R Holding Limited and Seacoast Profits Limited (i) relating to our acquisition of 100% of GAPPT (incorporated by reference to Exhibit 4(s) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2006 filed on June 25, 2007, as amended).

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(j) Equity Interests Transfer Agreement dated August 6, 2007 by and among NXP B.V., NXP Semiconductors Suzhou Ltd. and J&R Holding Limited relating to our acquisition of 60% of ASEN, our joint venture with NXP Semiconductors (incorporated by reference to Exhibit 4(j) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2008 filed on June 24, 2009).

(k) Scheme Implementation Agreement dated September 4, 2007 between Advanced Semiconductor Engineering, Inc. and ASE Test Limited relating to our acquisition of all the outstanding ordinary shares of, and the privatization of, ASE Test (incorporated by reference to Appendix A to Exhibit (a)(1) to Schedule 13E-3 (File No. 005-55723) filed by ASE Test on January 4, 2008).

(l) Syndicated Loan Agreement in the amount of NT\$24,750 million dated March 3, 2008 among Advanced Semiconductor Engineering, Inc., Citibank, N.A., Taipei Branch and the banks and banking institutions listed on Schedule I thereto relating to our acquisition of all the outstanding ordinary shares of, and the privatization of, ASE Test (incorporated by reference to Exhibit 4(l) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2008 filed on June 24, 2009).

(m) Equity Purchase Agreement dated March 17, 2008 between Aimhigh Global Corp., TCC Steel and J&R Holding Limited in respect of Weihai Aimhigh Electronic Co. Ltd. relating to our acquisition of 100% of ASE (Weihai), Inc. (incorporated by reference to Exhibit 4(m) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2008 filed on June 24, 2009).

(n) Syndicated Loan Agreement in the amount of US\$200 million dated May 29, 2008 among Advanced Semiconductor Engineering, Inc., Citibank, N.A., Taipei Branch and the banks and banking institutions listed on Schedule I thereto relating to our acquisition of all the outstanding ordinary shares of, and the privatization of, ASE Test (incorporated by reference to Exhibit 4(n) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2008 filed on June 24, 2009).

(o) Equity Purchase Agreement dated October 25, 2011 between PowerASE Technology, Inc. and certain shareholders of Lu-Chu Development Corporation relating to our acquisition of 72.97% of all the outstanding ordinary shares of Lu-Chu Development Corporation (incorporated by reference to Exhibit 4(o) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2011 filed on April 20, 2012).

(p) Equity Purchase Agreement dated October 25, 2011 between PowerASE Technology, Inc. and shareholders of Lu-Chu Development Corporation listed on Schedule I thereto relating to our acquisition of 9.3% of all the outstanding ordinary shares of Lu-Chu Development Corporation (incorporated by reference to Exhibit 4(p) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2011 filed on April 20, 2012).

(q) Equity Purchase Agreement dated November 17, 2011 between ASE Assembly & Test (Shanghai) Limited and Kunshan Ding Yao Real Estate Development Co., Ltd. relating to our acquisition of 10% equity of Shanghai Ding Hui Real Estate Development Co., Ltd. (incorporated by reference to Exhibit 4(q) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2011 filed on April 20, 2012).

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(r) Equity Purchase Agreement dated January 13, 2012 between Advanced Semiconductor Engineering, Inc. and shareholders of Yang Ting Tech Co., Ltd. listed on Schedule I thereto relating to our acquisition of 61.63% of all the outstanding ordinary shares of Yang Ting Tech Co., Ltd. (incorporated by reference to Exhibit 4(r) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2011 filed on April 20, 2012).

(s) Equity Purchase Agreement dated January 13, 2012 between Advanced Semiconductor Engineering, Inc. and shareholders of Yang Ting Tech Co., Ltd. listed on Schedule I thereto relating to our acquisition of 38.37% of all the outstanding ordinary shares of Yang Ting Tech Co., Ltd. (incorporated by reference to Exhibit 4(s) to our annual report on Form 20-F (File No. 001-16125) for the year ended December 31, 2011 filed on April 20, 2012).

(t) Joint Share Exchange Agreement dated June 30, 2016 between Advanced Semiconductor Engineering, Inc. and Siliconware Precision Industries Co., Ltd. relating to our proposed acquisition of 100% of the common shares and American depositary shares of Siliconware Precision Industries Co., Ltd. (incorporated by reference to Annex A to our registration statement on Form F-4 (File No. 333-214752) filed on November 22, 2016).

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8. List of Subsidiaries

12.(a) Certification of Jason C.S. Chang, required by Rule 13a-14(a) of the Exchange Act.

(b) Certification of Joseph Tung, required by Rule 13a-14(a) of the Exchange Act.

Certification of the Chief Executive Officer and the Chief Financial Officer of Advanced Semiconductor  
13. Engineering, Inc. required by Rule 13a-14(b) of the Exchange Act and Section 1350 of Chapter 63 of Title 18 of  
the United States Code.

15.(a) Consent of Deloitte & Touche.

(b) Consent of PricewaterhouseCoopers.

† Does not contain portions for which confidential treatment has been granted.

The Company agrees to furnish to the SEC upon request a copy of any instrument which defines the rights of holders of long-term debt of the Company and its consolidated subsidiaries.

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Signatures

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this annual report on its behalf.

ADVANCED  
SEMICONDUCTOR  
ENGINEERING, INC.

By: /s/ Joseph Tung  
Name: Joseph Tung  
Title: Chief Financial Officer

Date: April 21, 2017

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**Advanced Semiconductor Engineering, Inc. and Subsidiaries**

**Consolidated Financial Statements as of December 31, 2015 and 2016 and for the Years Ended December 31, 2014, 2015 and 2016 and Reports of Independent Registered Public Accounting Firms**



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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Board of Directors and Shareholders of

Advanced Semiconductor Engineering, Inc.

We have audited the accompanying consolidated balance sheets of Advanced Semiconductor Engineering, Inc. (a corporation incorporated under the laws of the Republic of China) and its subsidiaries (collectively, the “Group”) as of December 31, 2015 and 2016, and the related consolidated statements of comprehensive income, changes in equity and cash flows for each of the three years in the period ended December 31, 2016, all expressed in New Taiwan dollars. These consolidated financial statements are the responsibility of the Group’s management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We did not audit the consolidated financial statements of Siliconware Precision Industries Co., Ltd. (“SPIL”), the Group’s investment in which is accounted for by use of the equity method, as of and for the year ended December 31, 2016. The accompanying consolidated financial statements of the Group included its equity investment in SPIL of NT\$45,898,225 thousand (US\$1,416,612 thousand) constituting 13% of the Group’s total assets as of December 31, 2016, and its share of profit in SPIL of NT\$1,725,053 thousand (US\$53,242 thousand) constituting 8% of the Group’s net profit for the year ended December 31, 2016. Those statements were audited by other auditors whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included for SPIL, is based solely on the report of the other auditors.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall consolidated financial statement presentation. We believe that our audits and the report of the other auditors provide a reasonable basis for our opinion.

In our opinion, based on our audits and the report of the other auditors, such consolidated financial statements present fairly, in all material respects, the financial position of the Group as of December 31, 2015 and 2016, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2016, in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board.

Our audits also comprehended the translation of New Taiwan dollar amounts into U.S. dollar amounts and, in our opinion, such translation has been made in conformity with the basis stated in Note 4 to the consolidated financial

statements. Such U.S. dollar amounts are presented solely for the convenience of the readers.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the Group's internal control over financial reporting as of December 31, 2016, based on the criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated April 18, 2017 expressed an unqualified opinion on the Group's internal control over financial reporting based on our audit.

/s/ Deloitte & Touche

Taipei, Taiwan

Republic of China

April 18, 2017

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**Report of Independent Registered Public Accounting Firm**

To the Board of Directors and Shareholders of

Siliconware Precision Industries Co., Ltd.

In our opinion, the consolidated balance sheets and the related consolidated statements of comprehensive income, of changes in equity and of cash flows (not presented herein) present fairly, in all material respects, the financial position of Siliconware Precision Industries Co., Ltd., and its subsidiaries at December 31, 2016 and 2015, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2016 in conformity with International Financial Reporting Standards as issued by the International Accounting Standards Board. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

/s/PricewaterhouseCoopers, Taiwan  
Taipei, Taiwan

March 23, 2017

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED BALANCE SHEETS****(Amounts in Thousands)**

ASSETS	December 31, 2015 (Adjusted) NT\$	December 31, 2016 NT\$	US\$ (Note 4)
<b>CURRENT ASSETS</b>			
Cash and cash equivalents (Notes 4 and 6)	\$55,251,181	\$38,392,524	\$1,184,954
Financial assets at fair value through profit or loss - current (Notes 4 and 7)	3,833,701	3,069,812	94,747
Available-for-sale financial assets - current (Notes 4 and 8)	30,344	266,696	8,231
Trade receivables, net (Notes 4 and 9)	44,931,487	51,145,557	1,578,567
Other receivables (Note 4)	429,541	665,480	20,540
Current tax assets (Notes 4 and 24)	168,717	471,752	14,560
Inventories (Notes 4 and 10)	23,258,279	21,438,062	661,669
Inventories related to real estate business (Notes 4, 11, 23 and 34)	25,713,538	24,187,515	746,528
Other financial assets - current (Notes 4,12 and 34)	301,999	558,686	17,243
Other current assets	2,814,053	2,593,575	80,049
<b>Total current assets</b>	<b>156,732,840</b>	<b>142,789,659</b>	<b>4,407,088</b>
<b>NON-CURRENT ASSETS</b>			
Available-for-sale financial assets - non-current (Notes 4 and 8)	924,362	1,028,338	31,739
Investments accounted for using the equity method (Notes 4, 5 and 13)	37,122,244	49,832,993	1,538,055
Property, plant and equipment (Notes 4, 14, 23, and 35)	149,997,075	143,880,241	4,440,748
Goodwill (Notes 4, 5 and 15)	10,506,519	10,558,878	325,891
Other intangible assets (Notes 4, 16 and 23)	1,382,093	1,560,989	48,179
Deferred tax assets (Notes 4 and 24)	5,156,515	4,536,924	140,029
Other financial assets - non-current (Notes 4, 12 and 34)	345,672	1,320,381	40,753
Long-term prepayments for lease (Note 17)	2,556,156	2,237,033	69,044
Other non-current assets	263,416	205,740	6,350
<b>Total non-current assets</b>	<b>208,254,052</b>	<b>215,161,517</b>	<b>6,640,788</b>
<b>TOTAL</b>	<b>\$364,986,892</b>	<b>\$357,951,176</b>	<b>\$11,047,876</b>

(Continued)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED BALANCE SHEETS****(Amounts in Thousands)**

	December 31, 2015 (Adjusted) NT\$	December 31, 2016 NT\$	US\$ (Note 4)
<b>LIABILITIES AND EQUITY</b>			
<b>CURRENT LIABILITIES</b>			
Short-term borrowings (Note 18)	\$32,635,321	\$20,955,522	\$646,775
Short-term bills payable (Note 18)	4,348,054	-	-
Financial liabilities at fair value through profit or loss - current (Notes 4 and 7)	3,005,726	1,763,660	54,434
Trade payables	34,138,564	35,803,984	1,105,061
Other payables (Note 20)	19,194,818	21,522,034	664,260
Current tax liabilities (Notes 4 and 24)	6,746,022	6,846,350	211,307
Advance real estate receipts (Note 4)	2,703,706	60,550	1,869
Current portion of bonds payable (Notes 4 and 19)	14,685,866	9,658,346	298,097
Current portion of long-term borrowings (Notes 18 and 34)	2,057,465	6,567,565	202,703
Other current liabilities	3,180,767	3,791,563	117,024
<b>Total current liabilities</b>	<b>122,696,309</b>	<b>106,969,574</b>	<b>3,301,530</b>
<b>NON-CURRENT LIABILITIES</b>			
Bonds payable (Notes 4 and 19)	23,740,384	27,341,557	843,875
Long-term borrowings (Notes 18 and 34)	42,493,668	46,547,998	1,436,667
Deferred tax liabilities (Notes 4 and 24)	4,987,549	4,856,549	149,893
Net defined benefit liabilities (Notes 4 and 21)	4,072,493	4,172,253	128,773
Other non-current liabilities	1,071,509	1,201,480	37,083
<b>Total non-current liabilities</b>	<b>76,365,603</b>	<b>84,119,837</b>	<b>2,596,291</b>
<b>Total liabilities</b>	<b>199,061,912</b>	<b>191,089,411</b>	<b>5,897,821</b>
<b>EQUITY ATTRIBUTABLE TO OWNERS OF THE COMPANY (Notes 4 and 22)</b>			
Share capital	79,185,660	79,568,040	2,455,804
Capital surplus	23,758,550	22,266,500	687,238
Retained earnings (Note 13)			
Legal reserve	12,649,145	14,597,032	450,526

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Special reserve	3,353,938	3,353,938	103,517
Unappropriated earnings	37,696,865	44,225,737	1,364,992
Total retained earnings	53,699,948	62,176,707	1,919,035
Other equity	5,080,790	(1,840,937 )	(56,819 )
Treasury shares	(7,292,513 )	(7,292,513 )	(225,078 )
Equity attributable to owners of the Company	154,432,435	154,877,797	4,780,180
NON-CONTROLLING INTERESTS (Notes 4 and 22)	11,492,545	11,983,968	369,875
Total equity	165,924,980	166,861,765	5,150,055
TOTAL	\$364,986,892	\$357,951,176	\$11,047,876

The accompanying notes are an integral part of the consolidated financial statements. (Concluded)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME****(Amounts in Thousands Except Earnings Per Share)**

	For the Years Ended December 31			
	2014	2015	2016	US\$ (Note 4)
	NT\$	(Adjusted) NT\$	NT\$	
OPERATING REVENUES (Note 4)	\$256,591,447	\$283,302,536	\$274,884,107	\$8,484,077
OPERATING COSTS (Notes 10 and 23)	203,002,918	233,167,308	221,689,888	6,842,280
GROSS PROFIT	53,588,529	50,135,228	53,194,219	1,641,797
OPERATING EXPENSES (Note 23 )				
Selling and marketing expenses	3,438,166	3,588,472	3,432,487	105,941
General and administrative expenses	10,214,810	10,724,568	11,662,082	359,941
Research and development expenses	10,289,684	10,937,566	11,391,147	351,578
Total operating expenses	23,942,660	25,250,606	26,485,716	817,460
OTHER OPERATING INCOME AND EXPENSES, NET (Note 23)	228,615	(251,529 )	(800,280 )	(24,700 )
PROFIT FROM OPERATIONS	29,874,484	24,633,093	25,908,223	799,637
NON-OPERATING INCOME AND EXPENSES				
Other income (Note 23)	529,251	815,778	589,236	18,186
Other gains and losses (Note 23)	607,299	1,748,795	2,276,544	70,264
Finance costs (Note 23)	(2,354,097 )	(2,312,143 )	(2,261,075 )	(69,786 )
Share of the profit or loss of associates and joint ventures (Note 4)	(121,882 )	126,265	1,512,213	46,673
Total non-operating income and expenses	(1,339,429 )	378,695	2,116,918	65,337
PROFIT BEFORE INCOME TAX	28,535,055	25,011,788	28,025,141	864,974
INCOME TAX EXPENSE (Notes 4 and 24)	5,665,954	4,311,073	5,390,844	166,384

PROFIT FOR THE YEAR	22,869,101	20,700,715	22,634,297	698,590
OTHER COMPREHENSIVE INCOME (LOSS)				
Items that will not be reclassified subsequently to profit or loss:				
Remeasurement of defined benefit obligation	(28,145 )	(62,911 )	(417,181 )	(12,876 )
Share of other comprehensive loss of associates and joint ventures	(1,031 )	(37,748 )	(49,794 )	(1,537 )

(Continued)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME****(Amounts in Thousands Except Earnings Per Share)**

	For the Years Ended December 31			
	2014	2015	2016	
		(Adjusted)		
	NT\$	NT\$	NT\$	US\$ (Note 4)
Income tax relating to items that will not be reclassified subsequently	\$23,885	\$11,002	\$73,637	\$2,273
	(5,291 )	(89,657 )	(393,338 )	(12,140 )
Items that may be reclassified subsequently to profit or loss:				
Exchange differences on translating foreign operations	5,405,008	(63,509 )	(6,445,643 )	(198,940)
Unrealized gain (loss) on available-for-sale financial assets	(133,714 )	10,451	(248,599 )	(7,673 )
Cash flow hedges	3,279	-	-	-
Share of other comprehensive income (loss) of associates and joint ventures	235,156	(4,832 )	(871,679 )	(26,904 )
	5,509,729	(57,890 )	(7,565,921 )	(233,517)
Other comprehensive income (loss) for the year, net of income tax	5,504,438	(147,547 )	(7,959,259 )	(245,657)
<b>TOTAL COMPREHENSIVE INCOME FOR THE YEAR</b>	<b>\$28,373,539</b>	<b>\$20,553,168</b>	<b>\$14,675,038</b>	<b>\$452,933</b>
<b>PROFIT FOR THE YEAR ATTRIBUTABLE TO:</b>				
Owners of the Company	\$22,228,602	\$19,732,148	\$21,361,606	\$659,309
Non-controlling interests	640,499	968,567	1,272,691	39,281
	\$22,869,101	\$20,700,715	\$22,634,297	\$698,590
<b>TOTAL COMPREHENSIVE INCOME FOR THE YEAR ATTRIBUTABLE TO:</b>				
Owners of the Company	\$27,394,362	\$19,659,081	\$13,994,159	\$431,917

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Non-controlling interests	979,177	894,087	680,879	21,015
	\$28,373,539	\$20,553,168	\$14,675,038	\$452,932
EARNINGS PER SHARE (Note 25)				
Basic	\$2.89	\$2.58	\$2.79	\$0.09
Diluted	\$2.79	\$2.48	\$2.33	\$0.07
EARNINGS PER AMERICAN DEPOSITARY SHARE ("ADS")				
Basic	\$14.46	\$12.89	\$13.94	\$0.43
Diluted	\$13.93	\$12.38	\$11.67	\$0.36

The accompanying notes are an integral part of the consolidated financial statements. (Concluded)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY****(Amounts in Thousands)**

	Equity Attributable to Owners of the Company							Other Equity	
	Share Shares (In Thousands)	Capital Amounts	Capital Surplus	Retained Earnings Legal Reserve	Special Reserve	Unappropriated Earnings	Total	Exchange Differences on Translating Foreign Operations	U G A fo FI A
BALANCE AT JANUARY 1, 2014	7,787,827	\$78,180,258	\$7,921,375	\$8,720,971	\$3,663,930	\$25,190,778	\$37,575,679	\$(525,521)	\$
Change in capital surplus from investments in associates accounted for using the equity method	-	-	26,884	-	-	-	-	-	-
Net profit for the year ended December 31, 2014	-	-	-	-	-	22,228,602	22,228,602	-	-
Other comprehensive income (loss) for the year ended December 31, 2014, net of income tax	-	-	-	-	-	(4,434)	(4,434)	5,066,383	
Total comprehensive									

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income for the year ended December 31, 2014	-	-	-	-	-	22,224,168	22,224,168	5,066,383
Appropriation of 2013 earnings								
Legal reserve	-	-	-	1,568,907	-	(1,568,907 )	-	-
Special reserve	-	-	-	-	(309,992 )	309,992	-	-
Cash dividends distributed by the Company	-	-	-	-	-	(10,156,005)	(10,156,005)	-
Issue of dividends received by subsidiaries from the Company	-	-	-	1,568,907	(309,992 )	(11,414,920)	(10,156,005)	-
Partial disposal of interests in subsidiaries and additional acquisition of partially-owned subsidiaries (Notes 21 and 28)	-	-	6,876,866	-	-	-	-	-
Issue of ordinary shares under employee share options	73,898	534,921	1,000,065	-	-	-	-	-
Cash dividends distributed by subsidiaries	-	-	-	-	-	-	-	-
<b>BALANCE AT DECEMBER 31, 2014</b>	<b>7,861,725</b>	<b>78,715,179</b>	<b>16,013,980</b>	<b>10,289,878</b>	<b>3,353,938</b>	<b>36,000,026</b>	<b>49,643,842</b>	<b>4,540,862</b>
Equity component of convertible bonds issued by								



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the Company	-	-	214,022	-	-	-	-	-
Change in capital surplus from investments in associates and joint ventures accounted for using the equity method	-	-	150	-	-	-	-	-
Net profit for the year ended December 31, 2015 (Adjusted)	-	-	-	-	-	19,732,148	19,732,148	-
Other comprehensive income (loss) for the year ended December 31, 2015, net of income tax	-	-	-	-	-	(86,217 )	(86,217 )	(48,191 )
Total comprehensive income (loss) for the year ended December 31, 2015	-	-	-	-	-	19,645,931	19,645,931	(48,191 )
Appropriation of 2014 earnings								
Legal reserve	-	-	-	2,359,267	-	(2,359,267 )	-	-
Cash dividends distributed by the Company	-	-	-	-	-	(15,589,825)	(15,589,825)	-
	-	-	-	2,359,267	-	(17,949,092)	(15,589,825)	-
Acquisition of treasury shares	-	-	-	-	-	-	-	-
Issue of dividends received by								

subsidiaries from the Company	-	-	292,351	-	-	-	-	-
Partial disposal of interests in subsidiaries and additional acquisition of partially-owned subsidiaries (Notes 21 and 28)	-	-	7,197,510	-	-	-	-	-

(Continued)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY****(Amounts in Thousands)**

	Equity Attributable to Owners of the Company							Other Equity	
	Share Capital Shares (In Thousands)	Capital Surplus	Retained Earnings Legal Reserve	Special Reserve	Unappropriated Earnings	Total	Exchange Differences on Translating Foreign Operations	U C A f F A	
Changes in percentage of ownership interest in subsidiaries	-	\$-	\$(563,815)	\$-	\$-	\$-	\$-	\$-	
Issue of ordinary shares under employee share options	48,703	470,481	604,352	-	-	-	-	-	
Cash dividends distributed by subsidiaries	-	-	-	-	-	-	-	-	
Additional non-controlling interest arising on issue of employee share options by subsidiaries	-	-	-	-	-	-	-	-	
<b>ADJUSTED BALANCE AT DECEMBER 31, 2015</b> (Note 13)	7,910,428	79,185,660	23,758,550	12,649,145	3,353,938	37,696,865	53,699,948	4,492,671	

Change in capital surplus from investments in associates and joint ventures accounted for using the equity method	-	-	51,959	-	-	-	-	-
Net profit for the year ended December 31, 2016	-	-	-	-	-	21,361,606	21,361,606	-
Other comprehensive income (loss) for the year ended December 31, 2016, net of income tax	-	-	-	-	-	(402,184 )	(402,184 )	(6,136,294)
Total comprehensive income (loss) for the year ended December 31, 2016	-	-	-	-	-	20,959,422	20,959,422	(6,136,294)
Appropriation of 2015 earnings								
Legal reserve	-	-	-	1,947,887	-	(1,947,887 )	-	-
Cash dividends distributed by the Company	-	-	-	-	-	(12,476,779)	(12,476,779)	-
	-	-	-	1,947,887	-	(14,424,666)	(12,476,779)	-
Issue of dividends received by subsidiaries from the Company	-	-	233,013	-	-	-	-	-

Actual disposal or acquisition of interest in subsidiaries (Note 28)	-	-	(20,552 )	-	-	(5,884 )	(5,884 )	-
Changes in percentage of ownership interest in subsidiaries (Note 28)	-	-	(1,912,887 )	-	-	-	-	-
Issue of ordinary shares under employee share options	35,756	382,380	600,737	-	-	-	-	-
Non-controlling interest arising from acquisition of subsidiaries (Note 27)	-	-	-	-	-	-	-	-
Cash dividends distributed by subsidiaries	-	-	-	-	-	-	-	-
Additional non-controlling interest arising on issue of employee share options by subsidiaries	-	-	(444,320 )	-	-	-	-	-
BALANCE AT DECEMBER 31, 2016	7,946,184	\$79,568,040	\$22,266,500	\$14,597,032	\$3,353,938	\$44,225,737	\$62,176,707	\$(1,643,623)\$
US DOLLARS (Note 4) BALANCE AT DECEMBER 31, 2016	7,946,184	\$2,455,804	\$687,238	\$450,526	\$103,517	\$1,364,992	\$1,919,035	\$(50,729 )\$

The accompanying notes are an integral part of the consolidated financial statements. (Concluded)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOWS****(Amounts in Thousands)**

	For the Years Ended December 31			
	2014	2015	2016	
	NT\$	(Adjusted) NT\$	NT\$	US\$ (Note 4)
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>				
Profit before income tax	\$28,535,055	\$25,011,788	\$28,025,141	\$864,974
Adjustments for:				
Depreciation expense	25,805,042	28,938,770	28,961,614	893,877
Amortization expense	545,734	579,894	460,690	14,219
Net gains on fair value change of financial assets and liabilities at fair value through profit or loss	(1,838,840 )	(2,472,835 )	(447,559 )	(13,814 )
Interest expense	2,324,426	2,268,786	2,261,075	69,786
Interest income	(243,474 )	(242,084 )	(230,067 )	(7,101 )
Dividend income	(101,252 )	(396,973 )	(26,411 )	(815 )
Compensation cost of employee share options	110,157	133,496	470,788	14,530
Share of loss (profit) of associates and joint ventures	121,882	(126,265 )	(1,512,213 )	(46,673 )
Impairment loss recognized on financial assets	28,421	8,232	91,886	2,836
Reversal of impairment loss on financial assets	-	-	(28,022 )	(865 )
Impairment loss recognized on non- financial assets	899,480	610,140	1,340,011	41,359
Reversal of compensation cost for the settlement of legal claims	(91,305 )	-	-	-
Net loss (gain) on foreign currency exchange	1,404,234	1,358,777	(407,160 )	(12,567 )
Others	404,443	1,411,599	1,031,422	31,834
Changes in operating assets and liabilities				
Financial assets held for trading	823,313	4,162,522	1,052,111	32,473
Trade receivables	(9,703,070 )	7,982,736	(6,184,873 )	(190,891 )
Other receivables	(8,625 )	55,112	(211,755 )	(6,536 )
Inventories	(8,208,824 )	(5,128,726 )	3,156,759	97,431
Other current assets	102,353	407,017	(24,517 )	(757 )
Financial liabilities held for trading	(835,779 )	(1,725,606 )	(2,952,116 )	(91,115 )

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Trade payables	6,422,305	(1,272,717 )	1,665,420	51,402
Other payables	3,045,452	(814,809 )	1,380,205	42,599
Advance real estate receipts	-	2,223,381	(2,643,156 )	(81,579 )
Other current liabilities	703,764	321,931	295,557	9,122
Other operating activities items	(187,727 )	(247,024 )	(407,143 )	(12,566 )
	50,057,165	63,047,142	55,117,687	1,701,163
Interest received	233,457	253,289	228,509	7,053
Dividend received	101,252	499,918	4,043,644	124,804
Interest paid	(2,065,244 )	(2,067,955 )	(2,043,870 )	(63,082 )
Income tax paid	(2,463,153 )	(4,184,089 )	(5,238,103 )	(161,670 )
Net cash generated from operating activities	45,863,477	57,548,305	52,107,867	1,608,268
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>				
Purchase of financial assets designated as at fair value through profit or loss	(108,958,658)	(100,842,813)	(64,853,336)	(2,001,646)
Proceeds on sale of financial assets designated as at fair value through profit or loss	109,825,159	102,139,161	66,472,870	2,051,632
Purchase of available-for-sale financial assets	(3,565,428 )	(1,273,510 )	(1,590,928 )	(49,103 )

(Continued)

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Table of Contents**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONSOLIDATED STATEMENTS OF CASH FLOWS****(Amounts in Thousands)**

	<b>For the Years Ended December 31</b>			
	<b>2015</b>			
	<b>2014</b>	<b>(Adjusted)</b>	<b>2016</b>	
	<b>NT\$</b>	<b>NT\$</b>	<b>NT\$</b>	<b>US\$ (Note 4)</b>
Proceeds on sale of available-for-sale financial assets	\$4,388,130	\$2,761,145	\$867,336	\$26,770
Cash received from return of capital by available-for-sale financial assets	20,411	44,511	28,927	893
Acquisition of associates and joint ventures	(100,000 )	(35,673,097)	(16,041,463)	(495,106 )
Net cash outflow on acquisition of subsidiaries	-	-	(73,437 )	(2,267 )
Payments for property, plant and equipment	(39,598,964)	(30,280,124)	(26,714,163)	(824,511 )
Proceeds from disposal of property, plant and equipment	421,207	243,031	670,200	20,685
Payments for intangible assets	(396,466 )	(491,135 )	(513,893 )	(15,861 )
Proceeds from disposal of intangible assets	-	-	25,646	792
Decrease (increase) in other financial assets	(372,569 )	358,266	(1,231,186 )	(38,000 )
Increase in other non-current assets	(480,711 )	(336,864 )	(206,031 )	(6,359 )
Net cash used in investing activities	(38,817,889)	(63,351,429)	(43,159,458)	(1,332,081)
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>				
Net repayment of short-term borrowings	(3,442,162 )	(8,532,792 )	(10,640,229)	(328,402 )
Net proceeds from (repayment of) short-term bills payable	-	4,348,054	(4,348,054 )	(134,199 )
Proceeds from issue of bonds	8,888,562	6,136,425	9,000,000	277,778
Repayment of bonds payable	(729,790 )	-	(10,365,135)	(319,912 )
Proceeds from long-term borrowings	32,030,868	39,887,570	62,282,917	1,922,312
Repayment of long-term borrowings	(40,978,403)	(22,926,660)	(52,924,902)	(1,633,485)
Dividends paid	(9,967,215 )	(15,297,474)	(12,243,766)	(377,894 )
Proceeds from exercise of employee share options	1,498,343	1,285,102	995,832	30,736
Payments for acquisition of treasury				

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shares	-	(5,333,406 )	-	-
Proceeds from partial disposal of interests in subsidiaries	9,991,439	8,910,346	-	-
Decrease in non-controlling interests	(85,766 )	(232,148 )	(3,063,623 )	(94,556 )
Other financing activities items	(2,879 )	391,322	219,940	6,788
Net cash generated from (used in) financing activities	(2,797,003 )	8,636,339	(21,087,020)	(650,834 )
EFFECTS OF EXCHANGE RATE CHANGES ON THE BALANCE OF CASH AND CASH EQUIVALENTS HELD IN FOREIGN CURRENCY	2,419,454	723,556	(4,720,046 )	(145,682 )
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	6,668,039	3,556,771	(16,858,657)	(520,329 )
CASH AND CASH EQUIVALENTS AT THE BEGINNING OF THE YEAR	45,026,371	51,694,410	55,251,181	1,705,283
CASH AND CASH EQUIVALENTS AT THE END OF THE YEAR	\$51,694,410	\$55,251,181	\$38,392,524	\$1,184,954

The accompanying notes are an integral part of the consolidated financial statements. (Concluded)

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**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES**

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**

**(Amounts in Thousands, Unless Stated Otherwise)**

**1. GENERAL INFORMATION**

Advanced Semiconductor Engineering, Inc. (the “Company”), a corporation incorporated under the laws of Republic of China (the “ROC”), and its subsidiaries (collectively referred to as the “Group”) offer a comprehensive range of semiconductors packaging, testing, and electronic manufacturing services (“EMS”).

The Company’s ordinary shares are listed on the Taiwan Stock Exchange (the “TSE”) under the symbol “2311”. Since September 2000, the ordinary shares of the Company have been traded on the New York Stock Exchange (the “NYSE”) under the symbol “ASX” in the form of American Depositary Shares (“ADS”). The ordinary shares of its subsidiary, Universal Scientific Industrial (Shanghai) Co., Ltd (the “USISH”), are listed on the Shanghai Stock Exchange (the “SSE”) under the symbol “601231”.

The consolidated financial statements are presented in the Company’s functional currency, New Taiwan dollar (NT\$).

**2. APPROVAL OF FINANCIAL STATEMENTS**

The consolidated financial statements were authorized for issue by the management on April 13, 2017.

**APPLICATION OF NEW AND REVISED INTERNATIONAL FINANCIAL REPORTING STANDARDS  
3. AS ISSUED BY THE INTERNATIONAL ACCOUNTING STANDARDS BOARD (“IASB”) ( collectively,  
“IFRSs”)**

- a. Amendments to IFRSs and new interpretations that are mandatorily effective for the current year

In the current year, the Group has applied the following new, revised or amended standards and interpretations that have been issued and effective:

New, Revised or Amended Standards and Interpretations		Effective Date Issued by IASB
		<b>(Note 1)</b>
Amendments to IFRSs	Annual Improvements to IFRSs: 2012-2014 Cycle	January 1, 2016 (Note 2)
Amendments to IFRS 10, IFRS 12 and International Accounting Standard (“IAS”) 28	Investment Entities: Applying the Consolidation Exception	January 1, 2016
Amendments to IFRS 11	Accounting for Acquisitions of Interests in Joint Operations	January 1, 2016

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New, Revised or Amended Standards and Interpretations		Effective Date Issued by IASB
		(Note 1)
Amendments to IAS 1	Disclosure Initiative	January 1, 2016
Amendments to IAS 16 and IAS 38	Clarification of Acceptable Methods of Depreciation and Amortization	January 1, 2016

(Concluded)

Note 1: The aforementioned new, revised or amended standards and interpretations are effective for annual period beginning on or after the effective dates, unless specified otherwise.

Note 2: The amendment to IFRS 5 is applied prospectively to changes in a method of disposal that occur in annual periods beginning on or after January 1, 2016; the remaining amendments are applied retrospectively for annual periods beginning on or after January 1, 2016.

The Group believes that the adoption of the aforementioned new, revised or amended standards and interpretations did not have a significant effect on the Group's accounting policies.

- b. New, revised or amended standards and interpretations in issue but not yet effective

The Group has not applied the following new, revised or amended standards and interpretations that have been issued but are not yet effective:

New, Revised or Amended Standards and Interpretations		Effective Date Issued by IASB (Note 1)
Amendments to IFRSs	Annual Improvements to IFRSs 2014-2016 Cycle	Note 2
Amendments to IFRS 2	Classification and Measurement of Share-based Payment Transactions	January 1, 2018
Amendments to IFRS 4	Applying IFRS 9 Financial Instruments with IFRS 4 Insurance Contracts	January 1, 2018
IFRS 9	Financial Instruments	January 1, 2018
Amendments to IFRS 9 and IFRS 7	Mandatory Effective Date of IFRS 9 and Transition Disclosures	January 1, 2018
Amendments to IFRS 10 and IAS 28	Sale or Contribution of Assets between an Investor and its Associate or Joint Venture	To be determined by the IASB

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IFRS 15	Revenue from Contracts with Customers	January 1, 2018
Amendments to IFRS 15	Clarifications to IFRS 15	January 1, 2018
IFRS 16	Leases	January 1, 2019
Amendments to IAS 7	Disclosure Initiative	January 1, 2017
Amendments to IAS 12	Recognition of Deferred Tax Assets for Unrealized Losses	January 1, 2017
Amendments to IAS 40	Transfers of investment property	January 1, 2018
IFRIC 22	Foreign Currency Transactions and Advance Consideration	January 1, 2018

Note The aforementioned new, revised or amended standards and interpretations are effective for annual period  
1: beginning on or after the effective dates, unless specified otherwise.

Note The amendment to IFRS 12 is retrospectively applied for annual periods beginning on or after January 1, 2017;  
2: the amendment to IAS 28 is retrospectively applied for annual periods beginning on or after January 1, 2018.

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- c. Significant changes in accounting policy resulted from new, revised and amended standards and interpretations in issue but not yet effective

Except for the following, the Group believes that the adoption of the aforementioned new, revised or amended standards and interpretations will not have a significant effect on the Group's accounting policies. As of the date that the accompanying consolidated financial statements were authorized for issue, the Group continues in evaluating the impact on its financial position and operating results as a result of the initial adoption of the below standards and interpretations. The related impact will be disclosed when the Group completes the evaluation.

**IFRS 9 “Financial Instruments”**

Recognition and measurement of financial assets

With regards to financial assets, all recognized financial assets that are within the scope of IAS 39 “Financial Instruments: Recognition and Measurement” are subsequently measured at amortized cost or fair value. Under IFRS 9, the requirement for the classification of financial assets is stated below.

For the Group's debt instruments that have contractual cash flows that are solely payments of principal and interest on the principal amount outstanding, their classification and measurement are as follows:

For debt instruments, if they are held within a business model whose objective is to collect the contractual cash flows, the financial assets are measured at amortized cost and are assessed for impairment continuously with  
1) impairment loss recognized in profit or loss, if any. Interest revenue is recognized in profit or loss by using the effective interest method;

For debt instruments, if they are held within a business model whose objective is achieved by both the collecting of contractual cash flows and the selling of financial assets, the financial assets are measured at fair value through other comprehensive income (FVTOCI) and are assessed for impairment. Interest revenue is recognized in profit or  
2) loss by using the effective interest method, and other gain or loss shall be recognized in other comprehensive income, except for impairment gains or losses and foreign exchange gains and losses. When the debt instruments are derecognized or reclassified, the cumulative gain or loss previously recognized in other comprehensive income is reclassified from equity to profit or loss.

Except for above, all other financial assets are measured at fair value through profit or loss. However, the Group may make an irrevocable election to present subsequent changes in the fair value of an equity investment (that is not held for trading) in other comprehensive income, with only dividend income generally recognized in profit or loss. No

subsequent impairment assessment is required, and the cumulative gains or losses previously recognized in other comprehensive income cannot be reclassified from equity to profit or loss.

The impairment of financial assets

IFRS 9 requires that impairment loss on financial assets is recognized by using the “Expected Credit Losses Model”. The credit loss allowance is required for financial assets measured at amortized cost, financial assets mandatorily measured at FVTOCI, lease receivables, contract assets arising from IFRS 15 “Revenue from Contracts with Customers”, certain written loan commitments and financial guarantee contracts. A loss allowance for the 12-month expected credit losses is required for a financial asset if its credit risk has not increased significantly since initial recognition. A loss allowance for full lifetime expected credit losses is required for a financial asset if its credit risk has increased significantly since initial recognition and is not low. However, a loss allowance for full lifetime expected credit losses is required for trade receivables that do not constitute a financing transaction.

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For purchased or originated credit-impaired financial assets, the Group takes into account the expected credit losses on initial recognition in calculating the credit-adjusted effective interest rate. Subsequently, any changes in expected losses are recognized as a loss allowance with a corresponding gain or loss recognized in profit or loss.

## Hedge accounting

The main changes in hedge accounting amended the application requirements for hedge accounting to better reflect the entity's risk management activities. Compared with IAS 39, the main changes include: (1) enhancing types of transactions eligible for hedge accounting, specifically broadening the risk eligible for hedge accounting of non-financial items; (2) changing the way hedging derivative instruments are accounted for to reduce profit or loss volatility; and (3) replacing retrospective effectiveness assessment with the principle of economic relationship between the hedging instrument and the hedged item.

## Transition

Financial instruments that have been derecognized prior to the effective date of IFRS 9 cannot be reversed to apply IFRS 9 when it becomes effective. Under IFRS 9, the requirements for classification, measurement and impairment of financial assets are applied retrospectively with the difference between the previous carrying amount and the carrying amount at the date of initial application recognized in the current period and restatement of prior periods is not required. The requirements for general hedge accounting shall be applied prospectively and the accounting for hedging options shall be applied retrospectively.

## **Amendments to IFRS 10 and IAS 28 “Sale or Contribution of Assets between an Investor and its Associate or Joint Venture”**

The amendments stipulated that, when the Group sells or contributes assets that constitute a business (as defined in IFRS 3) to an associate or joint venture, the gain or loss resulting from the transaction is recognized in full. Also, when the Group loses control over a subsidiary that contains a business but retains significant influence or joint control, the gain or loss resulting from the transaction is recognized in full.

Conversely, when the Group sells or contributes assets that do not constitute a business to an associate or joint venture, the gain or loss resulting from the transaction is recognized only to the extent of the unrelated investors' interest in the associate or joint venture, i.e. the Group's share of the gain or loss is eliminated. Also, when the Group loses control over a subsidiary that does not contain a business but retains significant influence or joint control in an associate or a joint venture, the gain or loss resulting from the transaction is recognized only to the extent of the

unrelated investors' interest in the associate or joint venture, i.e. the Group's share of the gain or loss is eliminated.

**IFRS 15 “Revenue from Contracts with Customers” and related amendments**

IFRS 15 establishes principles for recognizing revenue that apply to all contracts with customers, and will supersede IAS 18 “Revenue”, IAS 11 “Construction Contracts” and a number of revenue-related interpretations from January 1, 2018.

When applying IFRS 15, an entity shall recognize revenue by applying the following steps:

1 Identify the contract with the customer;

1 Identify the performance obligations in the contract;

1 Determine the transaction price;

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1 Allocate the transaction price to the performance obligations in the contracts; and

1 Recognize revenue when the entity satisfies a performance obligation.

In identifying performance obligations, IFRS 15 and related amendment require that a good or service is distinct if it is capable of being distinct (for example, the Group regularly sells it separately) and the promise to transfer it is distinct within the context of the contract (i.e. the nature of the promise in the contract is to transfer each of those goods or services individually rather than to transfer combined items).

When IFRS 15 and related amendment are effective, the Group may elect to apply this standard either retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of initially applying this standard recognized at the date of initial application.

As of the date the consolidated financial reports were authorized for issue by the management, the Group is still in the process of evaluating the effects on the adoption and the transition method while adopting IFRS 15 starting 2018.

**IFRS 16 “Leases”**

IFRS 16 sets out the accounting standards for leases that will supersede IAS 17 and a number of related interpretations.

Under IFRS 16, if the Group is a lessee, it shall recognize right-of-use assets and lease liabilities for all leases on the consolidated balance sheets except for low-value and short-term leases. The Group may elect to apply the accounting method similar to the accounting for operating lease under IAS 17 to the low-value and short-term leases. On the consolidated statements of comprehensive income, the Group should present the depreciation expense charged on the right-of-use asset separately from interest expense accrued on the lease liability; interest is computed by using effective interest method. On the consolidated statements of cash flows, cash payments for the principal portion of the lease liability are classified within financing activities; cash payments for interest portion are classified within operating activities.

The application of IFRS 16 is not expected to have a material impact on the accounting of the Group as lessor.

When IFRS 16 becomes effective, the Group may elect to apply this Standard either retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of the initial application of this Standard recognized at the date of initial application.

**4. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

a. Statement of Compliance

The consolidated financial statements have been prepared in accordance with IFRSs as issued by the IASB.

b. Basis of Preparation

The consolidated financial statements have been prepared on the historical cost basis except for certain financial instruments that are measured at fair value.

The fair value measurements are grouped into Levels 1 to 3 based on the degree to which the fair value measurement inputs are observable and the significance of the inputs to the fair value measurement in its entirety, which are described as follows:

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- 1) Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities;
  - 2) Level 2 inputs are inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e. as prices) or indirectly (i.e. derived from prices); and
  - 3) Level 3 inputs are unobservable inputs for the asset or liability.
- c. Classification of Current and Non-current Assets and Liabilities

Current assets include cash and cash equivalents and those assets held primarily for trading purposes or expected to be realized within twelve months after the balance sheet date, unless the asset is to be used for an exchange or to settle a liability, or otherwise remains restricted, at more than twelve months after the balance sheet date. Current liabilities are obligations incurred for trading purposes or to be settled within twelve months after the balance sheet date and liabilities that do not have an unconditional right to defer settlement for at least twelve months after the balance sheet date. Assets and liabilities that are not classified as current are classified as non-current.

The Group engages in the construction business which has an operating cycle of over one year. The normal operating cycle applies when considering the classification of the Group's construction-related assets and liabilities.

d. Basis of Consolidation

- 1) Principles for preparing consolidated financial statements

The consolidated financial statements incorporate the financial statements of the Company and the entities controlled by the Company (i.e. its subsidiaries). Control is achieved when the Group:

- 1) has power over the investee;
- 1) is exposed, or has rights, to variable returns from its involvement with the investee; and
- 1) has the ability to use its power to affect its returns.

The Group reassesses whether or not it controls an investee if facts and circumstances indicate that there are changes to one or more of the three elements of control listed above.

When the Group has less than a majority of the voting rights of an investee, it has power over the investee when the voting rights are sufficient to give it the practical ability to direct the relevant activities of the investee unilaterally. The Group considers all relevant facts and circumstances in assessing whether or not the Group's voting rights in an investee are sufficient to give it power, including:

1 the size of the Group's holding of voting rights relative to the size and dispersion of holdings of the other vote holders;

1 potential voting rights held by the Group, other vote holders or other parties;

1 rights arising from other contractual arrangements; and

any additional facts and circumstances that indicate that the Group has, or does not have, the current ability to direct the relevant activities at the time that decisions need to be made, including voting patterns at previous shareholders' meetings.

Consolidation of a subsidiary begins when the Group obtains control over the subsidiary and ceases when the Group loses control over the subsidiary. Specifically, income and expenses of subsidiaries acquired or disposed of during the period are included in the consolidated statement of comprehensive income from the effective date of acquisition or up to the effective date of disposal, as appropriate.

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When necessary, adjustments are made to the financial statements of subsidiaries to bring their accounting policies in line with those used by the Company.

All intra-group transactions, balances, income and expenses are eliminated in full upon consolidation.

Attribution of total comprehensive income to non-controlling interests

Total comprehensive income of subsidiaries is attributed to the owners of the Company and to the non-controlling interests even if this results in the non-controlling interests having a deficit balance.

Changes in the Group's ownership interests in existing subsidiaries

Changes in the Group's ownership interests in subsidiaries that do not result in the Group losing control over the subsidiaries are accounted for as equity transactions. The carrying amounts of the Group's interests and the non-controlling interests are adjusted to reflect the changes in their relative interests in the subsidiaries. Any difference between the amount by which the non-controlling interests are adjusted and the fair value of the consideration paid or received is recognized directly in equity and attributed to the owners of the Company.

When the Group loses control over a subsidiary, a gain or loss is recognized in profit or loss and is calculated as the difference between (i) the aggregate of the fair value of the consideration received and any investment retained in the former subsidiary at its fair value at the date when control is lost and (ii) the assets (including any goodwill) and liabilities and any non-controlling interests of the former subsidiary at their carrying amounts at the date when control is lost. The Group accounts for all amounts recognized in other comprehensive income in relation to that subsidiary on the same basis as would be required if the Group had directly disposed of the related assets or liabilities.

- 2) Subsidiaries included in consolidated financial statements were as follows:

**Percentage of  
Ownership  
(%)  
Establishment and December 31**

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Name of Investee	Main Businesses	Operating Location	2015	2016
A.S.E. Holding Limited	Holding company	Bermuda	100.0	100.0
J & R Holding Limited (“J&R Holding”)	Holding company	Bermuda	100.0	100.0
Innosource Limited	Holding company	British Virgin Islands	100.0	100.0
Omniquest Industrial Limited	Holding company	British Virgin Islands	100.0	100.0
ASE Marketing & Service Japan Co., Ltd.	Engaged in marketing and sales services	Japan	100.0	100.0
ASE Test, Inc.	Engaged in the testing of semiconductors	Kaohsiung, ROC	100.0	100.0
USI Inc. (“USIINC”)	Engaged in investing activity	Nantou, ROC	99.2	99.2
Luchu Development Corporation (“Luchu”)	Engaged in the development of real estate properties	Taipei, ROC	86.1	86.1

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Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 2015	December 2016
TLJ Intertech Inc. ("TLJ")	Engaged in information software service and 60% shareholdings were acquired by ASE Test, Inc. in May 2016	Taipei, ROC	-	60.0
Alto Enterprises Limited	Holding company	British Virgin Islands	100.0	100.0
Super Zone Holdings Limited	Holding company	Hong Kong	100.0	100.0
ASE (Kun Shan) Inc.	Engaged in the packaging and testing of semiconductors	Kun Shan, China	100.0	100.0
ASE Investment (Kun Shan) Limited	Holding company	Kun Shan, China	100.0	100.0
Advanced Semiconductor Engineering (China) Ltd.	Will engage in the packaging and testing of semiconductors	Shanghai, China	100.0	100.0
ASE Investment (Labuan) Inc.	Holding company	Malaysia	100.0	100.0
ASE Test Limited ("ASE Test")	Holding company	Singapore	100.0	100.0
ASE (Korea) Inc. ("ASE Korea")	Engaged in the packaging and testing of semiconductors	Korea	100.0	100.0
J&R Industrial Inc.	Engaged in leasing equipment and investing activity	Kaohsiung, ROC	100.0	100.0
ASE Japan Co., Ltd. ("ASE Japan")	Engaged in the packaging and testing of semiconductors	Japan	100.0	100.0
ASE (U.S.) Inc.	After-sales service and sales support	U.S.A.	100.0	100.0
Global Advanced Packaging Technology Limited	Holding company	British Cayman Islands	100.0	100.0
ASE WeiHai Inc.	Engaged in the packaging and testing of semiconductors	Shandong, China	100.0	100.0
Suzhou ASEN Semiconductors Co., Ltd.	Engaged in the packaging and testing of semiconductors	Suzhou, China	60.0	60.0
Anstock Limited	Engaged in financing activity	British Cayman Islands	100.0	100.0
Anstock II Limited	Engaged in financing activity	British Cayman Islands	100.0	100.0
ASE Module (Shanghai) Inc.	In the process of liquidation	Shanghai, China	100.0	100.0
ASE (Shanghai) Inc.	Engaged in the production of substrates	Shanghai, China	100.0	100.0
ASE Corporation	Holding company	British Cayman Islands	100.0	100.0
ASE Mauritius Inc.	Holding company	Mauritius	100.0	100.0
ASE Labuan Inc.	Holding company	Malaysia	100.0	100.0
Shanghai Ding Hui Real Estate Development Co., Ltd.	Engaged in the development, construction and sale of real estate properties	Shanghai, China	100.0	100.0
		Shanghai, China	100.0	100.0

Shanghai Ding Qi Property Management Co., Ltd.	Engaged in the management of real estate properties
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(Continued)

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Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31 2015	December 31 2016
Advanced Semiconductor Engineering (HK) Limited	Engaged in the trading of substrates	Hong Kong	100.0	100.0
Shanghai Ding Wei Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Shanghai, China	100.0	100.0
Shanghai Ding Yu Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Shanghai, China	100.0	100.0
Shanghai Ding Fan Department Store Co., Ltd.	Will engaged in department store business and was established in July 2016	Shanghai, China	-	100.0
Kun Shan Ding Yue Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Kun Shan, China	100.0	100.0
Kun Shan Ding Hong Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Kun Shan, China	100.0	100.0
ASE Electronics Inc.	Engaged in the production of substrates	Kaohsiung, ROC	100.0	100.0
ASE Test Holdings, Ltd.	Holding company	British Cayman Islands	100.0	100.0
ASE Holdings (Singapore) Pte. Ltd.	Holding company	Singapore	100.0	100.0
ASE Singapore Pte. Ltd.	Engaged in the packaging and testing of semiconductors	Singapore	100.0	100.0
ISE Labs, Inc.	Engaged in the testing of semiconductors	U.S.A.	100.0	100.0
ASE Electronics (M) Sdn. Bhd.	Engaged in the packaging and testing of semiconductors	Malaysia	100.0	100.0
ASE Assembly & Test (Shanghai) Limited	Engaged in the packaging and testing of semiconductors	Shanghai, China	100.0	100.0
ASE Trading (Shanghai) Ltd.	Engaged in trading activity	Shanghai, China	100.0	100.0
Wuxi Tongzhi Microelectronics Co., Ltd.	Engaged in the packaging and testing of semiconductors	Wuxi, China	100.0	100.0
Huntington Holdings International Co., Ltd.	Holding company	British Virgin Islands	99.2	99.2
Unitech Holdings International Co., Ltd.	Holding company	British Virgin Islands	99.2	99.2
Real Tech Holdings Limited	Holding company	British Virgin Islands	99.2	99.2
Universal ABIT Holding Co., Ltd.	In the process of liquidation	British Cayman Islands	99.2	99.2
Rising Capital Investment Limited	Holding company	British Virgin Islands	99.2	99.2
Rise Accord Limited	Holding company	British Virgin Islands	99.2	99.2

(Continued)

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Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31 2015	December 31 2016
Universal Scientific Industrial (Kunshan) Co., Ltd.	Engaged in the manufacturing and sale of computer assistance system and related peripherals	Kun Shan, China	99.2	99.2
USI Enterprise Limited (“USIE”)	Engaged in the services of investment advisory and warehousing management	Hong Kong	96.7	97.0
USISH	Engaged in the designing, manufacturing and sale of electronic components	Shanghai, China	75.7	75.9
Universal Global Technology Co., Limited	Holding company	Hong Kong	75.7	75.9
Universal Global Technology (Kunshan) Co., Ltd.	Engaged in the designing and manufacturing of electronic components	Kun Shan, China	75.7	75.9
Universal Global Technology (Shanghai) Co., Ltd.	Engaged in the processing and sales of computer and communication peripherals as well as business in import and export of goods and technology	Shanghai, China	75.7	75.9
Universal Global Electronics (Shanghai) Co., Ltd.	Engaged in the sale of electronic components and telecommunications equipment	Shanghai, China	75.7	75.9
Universal Global Industrial Co., Limited	Engaged in manufacturing, trading and investing activity	Hong Kong	75.7	75.9
Universal Global Scientific Industrial Co., Ltd. (“UGTW”)	Engaged in the manufacturing of components of telecomm and cars and provision of related R&D services	Nantou, ROC	75.7	75.9
USI America Inc.	Engaged in the manufacturing and processing of motherboards and wireless network communication and provision of related technical service. The name was changed from USI Manufacturing Service Inc. to USI America Inc. in May 2015	U.S.A.	75.7	75.9
Universal Scientific Industrial De Mexico S.A. De C.V.	Engaged in the assembling of motherboards and computer components	Mexico	75.7	75.9

(Continued)

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Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31 2015	2016
USI Japan Co., Ltd.	Engaged in the manufacturing and sale of computer peripherals, integrated chip and other related accessories	Japan	75.7	75.9
USI Electronics (Shenzhen) Co., Ltd.	Engaged in the design, manufacturing and sale of motherboards and computer peripherals	Shenzhen, China	75.7	75.9
Universal Scientific Industrial Co., Ltd. (“USI”)	Engaged in the manufacturing, processing and sale of computers, computer peripherals and related accessories	Nantou, ROC	99.0	75.2

(Concluded)

## e. Business Combinations

Acquisitions of businesses are accounted for using the acquisition method. The consideration transferred in a business combination is measured at fair value, which is calculated as the sum of the acquisition-date fair values of the assets transferred by the Group, liabilities incurred by the Group to the former owners of the acquiree and the equity interests issued by the Group in exchange for control of the acquiree. Acquisition-related costs are recognized in profit or loss as incurred.

Goodwill is measured as the excess of the sum of the consideration transferred, the amount of any non-controlling interests in the acquiree, and the fair value of the acquirer's previously held equity interest in the acquiree (if any) over the net of the acquisition-date amounts of the identifiable assets acquired and the liabilities assumed. If, after re-assessment, the net of the acquisition-date amounts of the identifiable assets acquired and liabilities assumed exceeds the sum of the consideration transferred, the amount of any non-controlling interests in the acquiree and the fair value of the acquirer's previously held interest in the acquiree (if any), the excess is recognized immediately in profit or loss as a bargain purchase gain.

When a business combination is achieved in stages, the Group's previously held equity interest in the acquiree is remeasured to its acquisition-date fair value and the resulting gain or loss, if any, is recognized in profit or loss. Amounts arising from interests in the acquiree prior to the acquisition date that have previously been recognized in other comprehensive income are recognized on the same basis as would be required if that interest were directly disposed of by the Group.

If the initial accounting for a business combination is incomplete by the end of the reporting period in which the combination occurs, the Group reports provisional amounts for the items for which the accounting is incomplete. Those provisional amounts are adjusted retrospectively during the measurement period, or additional assets or liabilities are recognized, to reflect new information obtained about facts and circumstances that existed at the acquisition date that, if known, would have affected the amounts recognized at that date.

Business combination involving entities under common control is not accounted for by acquisition method but accounted for at the carrying amounts of the entities. Prior period comparative information in the financial statements is restated as if a business combination involving entities under common control had already occurred in that period.

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f. Foreign Currencies

In preparing the financial statements of each individual group entity, transactions in currencies other than the entity's functional currency (foreign currencies) are recognized at the rates of exchange prevailing at the dates of the transactions. At each balance sheet date, monetary items denominated in foreign currencies are retranslated at the rates prevailing at that date. Non-monetary items carried at fair value that are denominated in foreign currencies are retranslated at the rates prevailing at the date when the fair value was determined. Non-monetary items that are measured in terms of historical cost in a foreign currency are not retranslated.

Exchange differences on monetary items arising from settlement or translation are recognized in profit or loss in the period in which they arise.

Exchange differences arising on the retranslation of non-monetary assets (such as equity instruments) or liabilities measured at fair value are included in profit or loss for the period at the rates prevailing at the balance sheet date except for exchange differences arising on the retranslation of non-monetary items in respect of which gains and losses are recognized directly in other comprehensive income, in which case, the exchange differences are also recognized directly in other comprehensive income.

For the purposes of presenting the consolidated financial statements, the assets and liabilities of the Group's foreign operations are translated into New Taiwan dollars using exchange rates prevailing at each balance sheet date. Income and expense items are translated at the average exchange rates for the period. Exchange differences arising are recognized in other comprehensive income and accumulated in equity attributed to the owners of the Company and non-controlling interests as appropriate.

On the disposal of the Group's entire interest in a foreign operation, or a disposal involving loss of control over a subsidiary that includes a foreign operation, all of the exchange differences accumulated in equity in respect of that operation attributable to the owners of the Company are reclassified to profit or loss.

In relation to a partial disposal of a subsidiary that does not result in the Group losing control over the subsidiary, the proportionate share of accumulated exchange differences is re-attributed to non-controlling interests of the subsidiary and is not recognized in profit or loss. For all other partial disposals of associates or joint arrangements that do not result in the Group losing significant influence or joint control, the proportionate share of the accumulated exchange differences recognized in other comprehensive income is reclassified to profit or loss.

g. Inventories and Inventories Related to Real Estate Business

Inventories, including raw materials (materials received from customers for processing, mainly semiconductor wafers, are excluded from inventories as title and risk of loss remain with the customers), supplies, work in process, finished goods, and materials and supplies in transit are stated at the lower of cost or net realizable value. Inventory write-downs are made by item, except for those that may be appropriate to group items of similar or related inventories. Net realizable value is the estimated selling prices of inventories less all estimated costs of completion and estimated costs necessary to make the sale. Raw materials and supplies are recorded at moving average cost while work in process and finished goods are recorded at standard cost.

Inventories related to real estate business include land and buildings held for sale, land held for construction and construction in progress. Land held for development is recorded as land held for construction upon obtaining the title of ownership. Prior to the completion, the borrowing costs directly attributable to construction in progress are capitalized as part of the cost of the asset. Construction in progress is transferred to land and buildings held for sale upon completion. Land and buildings held for sale, construction in progress and land held for construction are stated at the lower of cost or net realizable value and related write-downs are made by item. The amounts received in advance for real estate properties are first recorded as advance receipts and then recognized as revenue when the construction is completed and the title and significant risk of the real estate properties are transferred to customers. Cost of sales of land and buildings held for sale are recognized based on the ratio of property sold to the total property developed.

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h. Investments in associates and joint ventures

An associate is an entity over which the Group has significant influence and that is neither a subsidiary nor an interest in a joint venture. Joint venture is a joint arrangement whereby the Group and other parties that have joint control of the arrangement have rights to the net assets of the arrangement.

The Group uses the equity method to account for its investments in associates and joint ventures.

Under the equity method, investments in an associate and a joint venture are initially recognized at cost and adjusted thereafter to recognize the Group's share of the profit or loss and other comprehensive income of the associate and joint venture. The Group also recognizes the changes in the Group's share of equity of associates and joint venture.

Any excess of the cost of acquisition over the Group's share of the fair value of the net identifiable assets and liabilities of an associate or a joint venture at the date of acquisition is recognized as goodwill, which is included within the carrying amount of the investment and is not amortized.

Gains and losses resulting from upstream, downstream and sidestream transactions between the Group (including its subsidiaries) and its associates or joint ventures are recognized in the Group's consolidated financial statements only to the extent of interests in the associates or joint ventures that are not related to the Group.

i. Property, Plant and Equipment

Except for land which is stated at cost, property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment.

Properties in the course of construction for production, supply or administrative purposes are carried at cost, less any recognized impairment loss. Cost includes professional fees and borrowing costs eligible for capitalization. Such properties are classified to the appropriate categories of property, plant and equipment when completed and ready for intended use. Depreciation of these assets, on the same basis as other property assets, commences when the assets are ready for their intended use.

Freehold land is not depreciated.

Depreciation on property, plant and equipment is recognized using the straight-line method. Each significant part is depreciated separately. If the lease term is shorter than the useful lives, assets are depreciated over the lease term. The estimated useful lives, residual values and depreciation method are reviewed at each balance sheet date, with the effect of any changes in estimate accounted for on a prospective basis.

On derecognition of an item of property, plant and equipment, the difference between the sales proceeds and the carrying amount of the asset is recognized in profit or loss.

j.

Goodwill

Goodwill arising from an acquisition of a business is carried at cost as established at the date of acquisition of the business less accumulated impairment loss.

For the purposes of impairment testing, goodwill is allocated to each of the Group's cash-generating units or groups of cash-generating units (referred to as cash-generating units) that is expected to benefit from the synergies of the combination.

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A cash-generating unit to which goodwill has been allocated is tested for impairment annually, or more frequently when there is an indication that the unit may be impaired, by comparing its carrying amount, including the attributed goodwill, with its recoverable amount. However, if the goodwill allocated to a cash-generating unit was acquired in a business combination during the current annual period, that unit shall be tested for impairment before the end of the current annual period. If the recoverable amount of the cash-generating unit is less than its carrying amount, the impairment loss is allocated first to reduce the carrying amount of any goodwill allocated to the unit and then to the other assets of the unit pro rata based on the carrying amount of each asset in the unit. Any impairment loss is recognized directly in profit or loss. An impairment loss recognized for goodwill is not reversed in subsequent periods.

k. Other Intangible Assets

Other intangible assets with finite useful lives acquired separately are initially measured at cost and subsequently measured at cost less accumulated amortization and accumulated impairment. Other intangible assets are amortized based on the pattern in which the economic benefits are consumed or using the straight-line method over their estimated useful lives. The estimated useful lives, residual value and amortization methods are reviewed at each balance sheet date, with the effect of any changes in estimate being accounted for on a prospective basis.

Other intangible assets acquired in a business combination and recognized separately from goodwill are initially recognized at their fair value at the acquisition date which is regarded as their cost. Subsequent to initial recognition, they are measured on the same basis as intangible assets that are acquired separately.

On derecognition of an intangible asset, the difference between the net disposal proceeds and the carrying amount of the asset are recognized in profit or loss.

1. Impairment of Tangible and Intangible Assets Other than Goodwill

At each balance sheet date, the Group reviews the carrying amounts of its tangible and intangible assets, excluding goodwill (see above), to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss. When it is not possible to estimate the recoverable amount of an individual asset, the Group estimates the recoverable amount of the cash-generating unit to which the asset belongs. Corporate assets are allocated to the individual cash-generating units on a reasonable and consistent basis of allocation. Recoverable amount is the higher of fair value less costs to sell and value in use. If the recoverable amount of an asset or cash-generating unit is estimated to be less than its carrying amount, the carrying amount of the asset or cash-generating unit is reduced to its recoverable amount, with the resulting impairment loss recognized in profit or loss.

When an impairment loss is subsequently reversed, the carrying amount of the asset or cash-generating unit is increased to the revised estimate of its recoverable amount, but only to the extent of the carrying amount that would have been determined had no impairment loss been recognized for the asset or cash-generating unit in prior years. A reversal of an impairment loss is recognized immediately in profit or loss.

m.

#### Financial Instruments

Financial assets and financial liabilities are recognized when a group entity becomes a party to the contractual provisions of the instruments. Financial assets and financial liabilities are initially measured at fair value. Transaction costs that are directly attributable to the acquisition or issue of financial assets and financial liabilities (other than financial assets and financial liabilities at fair value through profit or loss) are added to or deducted from the fair value of the financial assets or financial liabilities, as appropriate, on initial recognition. Transaction costs directly attributable to the acquisition of financial assets or financial liabilities at fair value through profit or loss are recognized immediately in profit or loss.

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1) Financial assets

All regular way purchases or sales of financial assets are recognized or derecognized on a settlement date basis.

a) Measurement category

The classification of financial assets held by the Group depends on the nature and purpose of the financial assets and is determined at the time of initial recognition.

i. Financial assets at fair value through profit or loss (“FVTPL”)

Financial assets are classified as at FVTPL when the financial assets are either held for trading or they are designated as at FVTPL.

A financial asset other than a financial asset held for trading may be designated as at FVTPL upon initial recognition if:

1 Such designation eliminates or significantly reduces a measurement or recognition inconsistency that would otherwise arise; or

The financial asset forms part of a group of financial assets or financial liabilities or both, which is managed and its performance is evaluated on a fair value basis, in accordance with the Group's documented risk management or investment strategy, and information about the grouping is provided internally on that basis; or

1 It forms part of a contract containing one or more embedded derivatives, and IAS 39 permits the entire combined contract to be designated as at FVTPL.

Financial assets at FVTPL are stated at fair value with any gains or losses arising on remeasurement recognized in profit or loss. The net gain or loss recognized in profit or loss incorporates any dividend or interest earned on the financial asset.

Fair value is determined in the manner described in Note 32.

ii. Available-for-sale financial assets

Available-for-sale financial assets are non-derivatives that are either designated as available-for-sale or are not classified as (a) loans and receivables, (b) held-to-maturity investments or (c) financial assets at fair value through profit or loss.

Available-for-sale financial assets are stated at fair value at each balance sheet date. Changes in the carrying amount of available-for-sale monetary financial assets relating to changes in foreign currency rates, interest income calculated using the effective interest method and dividends on available-for-sale equity investments are recognized in profit or loss. Other changes in the carrying amount of available-for-sale financial assets are recognized in other comprehensive income and accumulated under the heading of unrealized gain (loss) on available-for-sale financial assets. When the investment is disposed of or is determined to be impaired, the cumulative gain or loss previously accumulated in the unrealized gain (loss) on available-for-sale financial assets is reclassified to profit or loss.

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Dividends on available-for-sale equity instruments are recognized in profit or loss when the Group's right to receive the dividends is established.

iii. Loans and receivables

Loans and receivables including cash and cash equivalents, trade receivables, other receivables, other financial assets and debt investments with no active market are measured at amortized cost using the effective interest method, less any impairment. Interest income is recognized by applying the effective interest rate, except for short-term receivables when the effect of discounting is immaterial.

Cash equivalents are short-term, highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of change in value.

b) Impairment of financial assets

Financial assets, other than those at FVTPL, are assessed for indicators of impairment at each balance sheet date. Financial assets are considered to be impaired when there is objective evidence that, as a result of one or more events that occurred after the initial recognition of the financial assets, the estimated future cash flows of the investments have been affected.

For financial assets carried at amortized cost, such as trade receivables and other receivables, assets that are assessed not to be impaired individually are, further, assessed for impairment on a collective basis. The Group assesses the collectability of receivables based on the Group's past experience of collecting payments and observable changes that correlate with default on receivables.

For financial assets carried at amortized cost, the amount of the impairment loss recognized is the difference between the assets' carrying amounts and the present value of estimated future cash flows, discounted at the financial assets' original effective interest rates. If, in a subsequent period, the amount of the impairment loss decreases and the decreases can be objectively related to an event occurring after the impairment loss recognized, the previously recognized impairment loss is reversed either directly or by adjusting an allowance account through profit or loss. The reversal shall not result in carrying amounts of financial assets that exceed what the amortized cost would have been at the date the impairment is reversed.

When an available-for-sale financial asset is considered to be impaired, cumulative gains or losses previously recognized in other comprehensive income are reclassified to profit or loss in the period. In respect of

available-for-sale equity securities, impairment loss previously recognized in profit or loss are not reversed through profit or loss. Any increase in fair value subsequent to an impairment loss is recognized in other comprehensive income and accumulated under the heading of unrealized gain (loss) on available-for-sale financial assets.

The carrying amount of the financial asset is reduced by the impairment loss directly for all financial assets with the exception of trade receivables where the carrying amount is reduced through the use of an allowance account. When a trade receivable is considered uncollectible, it is written off against the allowance account. Subsequent recoveries of amounts previously written off are credited against the allowance account. Changes in the carrying amount of the allowance account are recognized in profit or loss except for uncollectible trade receivables that are written off against the allowance account.

c) Derecognition of financial assets

The Group derecognizes a financial asset only when the contractual rights to the cash flows from the asset expire, or when it transfers the financial asset and substantially all the risks and rewards of ownership of the asset to another entity. On derecognition of a financial asset in its entirety, the difference between the asset's carrying amount and the sum of the consideration received and receivable and the cumulative gain or loss that had been recognized in other comprehensive income and accumulated in equity is recognized in profit or loss.

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2) Equity instruments

Debt and equity instruments issued by a group entity are classified as either financial liabilities or as equity in accordance with the substance of the contractual arrangements and the definitions of a financial liability and an equity instrument.

Equity instruments issued by a group entity are recognized at the proceeds received, net of direct issue costs.

Repurchase of the Company's own equity instruments is recognized in and deducted directly from equity. No gain or loss is recognized in profit or loss on the purchase, sale, issue or cancellation of the Company's own equity instruments.

3) Financial liabilities

Financial liabilities are measured either at amortized cost using the effective interest method or at FVTPL. Financial liabilities measured at FVTPL are held for trading.

Financial liabilities at FVTPL are stated at fair value, with any gain or loss arising on remeasurement recognized in profit or loss. The net gain or loss recognized in profit or loss incorporates any interest or dividend paid on the financial liability. Fair value is determined in the manner described in Note 32.

The Group derecognizes financial liabilities when, and only when, the Group's obligations are discharged, cancelled or they expire. The difference between the carrying amount of the financial liability derecognized and the consideration paid and payable is recognized in profit or loss.

4) Derivative financial instruments

Derivatives are initially recognized at fair value at the date the derivative contracts are entered into and are subsequently remeasured to their fair value at each balance sheet date. The resulting gain or loss is recognized in profit or loss immediately unless the derivative is designated and effective as a hedging instrument, in which event the timing of the recognition in profit or loss depends on the nature of the hedge relationship. When the fair value of derivative financial instruments is positive, the derivative is recognized as a financial asset; when the fair value of

derivative financial instruments is negative, the derivative is recognized as financial liabilities.

Derivatives embedded in non-derivative host contracts are treated as separate derivatives when they meet the definition of a derivative, their risks and characteristics are not closely related to those of the host contracts and the contracts are not measured at FVTPL.

5) Convertible bonds

- a) Convertible bonds contain conversion option classified as an equity

The component parts of compound instruments (convertible bonds) issued by the Group are classified separately as financial liabilities and equity in accordance with the substance of the contractual arrangements and the definitions of a financial liability and an equity instrument.

On initial recognition, the fair value of the liability component is estimated using the prevailing market interest rate for similar non-convertible instruments. This amount is recorded as a liability on an amortized cost basis using the effective interest method until extinguished upon conversion or the instrument's maturity date. Any embedded derivative liability is measured at fair value.

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The conversion option classified as equity is determined by deducting the amount of the liability component from the fair value of the compound instrument as a whole. This is recognized and included in equity, net of income tax effects, and is not subsequently remeasured. In addition, the conversion option classified as equity will remain in equity until the conversion option is exercised, in which case, the balance recognized in equity will be transferred to capital surplus - share premium. When the conversion option remains unexercised at maturity, the balance recognized in equity will be transferred to capital surplus - share premium.

Transaction costs that relate to the issue of the convertible bonds are allocated to the liability and equity components in proportion to the allocation of the gross proceeds. Transaction costs relating to the equity component are recognized directly in equity. Transaction costs relating to the liability component are included in the carrying amount of the liability component.

b) Convertible bonds contain conversion option classified as a liability

The conversion options component of the convertible bonds issued by the Group that will be settled other than by the exchange of a fixed amount of cash or other financial asset for a fixed number of the Group's own equity instruments is classified as derivative financial liabilities.

On initial recognition, the derivative financial liabilities component of the convertible bonds is recognized at fair value, and the initial carrying amount of the component of non-derivative financial liabilities is determined by deducting the amount of derivative financial liabilities from the fair value of the hybrid instrument as a whole. In subsequent periods, the non-derivative financial liabilities component of the convertible bonds is measured at amortized cost using the effective interest method. The derivative financial liabilities component is measured at fair value and the changes in fair value are recognized in profit or loss.

Transaction costs that relate to the issue of the convertible bonds are allocated to the derivative financial liabilities component and the non-derivative financial liabilities component in proportion to their relative fair values. Transaction costs relating to the derivative financial liabilities component are recognized immediately in profit or loss. Transaction costs relating to the non-derivative financial liabilities component are included in the carrying amount of the liability component.

n. Hedge Accounting

The Group designates certain hedging instruments as cash flow hedges. At the inception of the hedge relationship, the Group documents the relationship between the hedging instrument and the hedged item, along with its risk

management objectives and its strategy for undertaking various hedge transactions. Furthermore, at the inception of the hedge and on an ongoing basis, the Group documents whether the hedging instrument is highly effective in offsetting changes in fair values or cash flows of the hedged item attributable to the hedged risk.

The effective portion of changes in the fair value of derivatives that are designated and qualify as cash flow hedges is recognized in other comprehensive income and accumulated under the heading of cash flow hedges. The gain or loss relating to the ineffective portion is recognized immediately in profit or loss.

Amounts previously recognized in other comprehensive income and accumulated in equity are reclassified to profit or loss in the periods when the hedged item affects profit or loss, in the same line as the recognized hedged item. If a hedge of a forecast transaction subsequently results in the recognition of a non-financial asset or a non-financial liability, the associated gains and losses that were recognized in other comprehensive income are removed from equity and are included in the initial cost of the non-financial asset or non-financial liability.

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Hedge accounting is discontinued prospectively when the Group revokes the designated hedging relationship, or when the hedging instrument expires or is sold, terminated, or exercised, or when it no longer meets the criteria for hedge accounting. The cumulative gain or loss on the hedging instruments that has been previously recognized in other comprehensive income from the period when the hedge was effective remains separately in equity until the forecast transaction occurs. When a forecast transaction is no longer expected to occur, the gain or loss accumulated in equity is recognized immediately in profit or loss.

o. Revenue Recognition

Revenue is measured at the fair value of the consideration received or receivable take into account of estimated customer returns, rebates and other similar allowances.

1) Sale of goods and real estate properties

Revenue from the sale of goods and real estate properties is recognized when the goods and real estate properties are delivered and titles have passed, at the time all the following conditions are satisfied:

<sup>1</sup>The Group has transferred to the buyer the significant risks and rewards of ownership of the goods and real estate properties;

<sup>1</sup>The Group retains neither continuing managerial involvement to the degree usually associated with ownership nor effective control over the goods and real estate properties sold;

1 The amount of revenue can be reliably measured;

1 It is probable that the economic benefits associated with the transaction will flow to the Group; and

1 The costs incurred or to be incurred in respect of the transaction can be reliably measured.

2) Rendering of services

Service income is recognized when services are rendered.

3) Dividend and interest income

Dividend income from investments and interest income from financial assets are recognized when they are probable that the economic benefits will flow to the Group and the amount of income can be reliably measured. Interest income is accrued on a time basis, by reference to the principal outstanding and at the effective interest rate applicable.

p. Leasing

Leases are classified as finance leases whenever the terms of the lease transfer substantially all the risks and rewards of ownership to the lessee. All other leases are classified as operating leases.

The Group as lessor

Rental income from operating leases is recognized on a straight-line basis over the term of the relevant lease.

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The Group as lessee

Assets held under finance leases are initially recognized as assets of the Group at their fair value at the inception of the lease or, if lower, at the present value of the minimum lease payments. The corresponding liability to the lessor is included in the consolidated balance sheets as a finance lease obligation.

Operating lease payments are recognized as expenses on a straight-line basis over the lease term.

q.

Borrowing Costs

Borrowing costs directly attributable to the acquisition, construction or production of qualifying assets are added to the cost of those assets, until such time as the assets are substantially ready for their intended use or sale.

Investment income earned on the temporary investment of specific borrowings pending their expenditure on qualifying assets is deducted from the borrowing costs eligible for capitalization.

Other than stated above, all other borrowing costs are recognized in profit or loss in the period in which they are incurred.

r.

Government grants

Government grants are not recognized until there is reasonable assurance that the Group will comply with the conditions attaching to them and that the grants will be received.

Government grants are recognized in profit or loss on a systematic basis over the periods in which the Group recognizes as expenses the related costs for which the grants are intended to compensate. Specifically, government grants whose primary condition is that the Group should purchase, construct or otherwise acquire non-current assets are recognized as deferred revenue in the consolidated financial statements and transferred to profit or loss on a systematic and rational basis over the useful lives of the related assets.

Government grants that are receivable as compensation for expenses or losses already incurred or for the purpose of giving immediate financial support to the Group with no future related costs are recognized in profit or loss in the period in which they become receivable.

s. Retirement Benefit Costs

Payments to defined contribution retirement benefit plans are recognized as expenses when employees have rendered services entitling them to the contributions.

Defined benefit costs (including service cost, net interest and rereasurement) under the defined benefit retirement benefit plans are determined using the projected unit credit method. Service cost (including current service cost and past service cost) and net interest on the net defined benefit liability (asset) are recognized as employee benefits expense in the period they occur. Rereasurement, comprising actuarial gains and losses and the return on plan assets (excluding interest), is recognized in other comprehensive income in the period in which they occur. Rereasurement recognized in other comprehensive income is reflected immediately in retained earnings and will not be reclassified to profit or loss.

Net defined benefit liability (asset) represents the actual deficit (surplus) in the Group's defined benefit plan. Any surplus resulting from this calculation is limited to the present value of any refunds from the plans or reductions in future contributions to the plans.

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t. Employee share options

Employee share options granted to employees are measured at the fair value at the grant date. The fair value determined at the grant date is expensed on a straight-line basis over the vesting period, based on the Group's best estimate of the number of options that are expected to ultimately vest, with a corresponding increase in capital surplus - employee share options and non-controlling interests. It is recognized as an expense in full at the grant date if vesting immediately.

At each balance sheet date, the Group reviews its estimate of the number of employee share options expected to vest. The impact of the revision of the original estimates is recognized in profit or loss such that the cumulative expense reflects the revised estimate, with a corresponding adjustment to the capital surplus - employee share options and non-controlling interests.

u. Taxation

Income tax expense represents the sum of the tax currently payable and deferred tax.

1) Current tax

Income tax on unappropriated earnings (excluding earnings from foreign consolidated subsidiaries) at a rate of 10% is expensed in the year the earnings arise and adjusted to the extent that distributions are approved by the shareholders in the following year.

Adjustments of prior years' tax liabilities are added to or deducted from the current year's tax provision.

2) Deferred tax

Deferred tax is recognized on temporary differences between the carrying amounts of assets and liabilities in the consolidated financial statements and the corresponding tax bases used in the computation of taxable profit. Deferred tax liabilities are generally recognized for all taxable temporary differences. Deferred tax assets are generally recognized for all deductible temporary differences, unused loss carry-forward and unused tax credits for purchases of machinery and equipment to the extent that it is probable that taxable profits will be available against which those deductible temporary differences can be utilized.

Deferred tax liabilities are recognized for taxable temporary differences associated with investments in subsidiaries except where the Group is able to control the reversal of the temporary differences and it is probable that the temporary differences will not reverse in the foreseeable future.

The carrying amounts of deferred tax assets is reviewed at each balance sheet date and reduced to the extent that it is no longer probable that sufficient taxable profits will be available to allow all or part of deferred tax assets to be utilized. A previously unrecognized deferred tax asset is also reviewed at each balance sheet date and recognized to the extent that it has become probable that future taxable profit will allow the deferred tax asset to be recovered.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply in the period in which assets are realized or the liabilities are settled. The measurement of deferred tax assets and liabilities reflects the tax consequences that would follow from the manner in which the Group expects, at the balance sheet date, to recover or settle the carrying amounts of its assets and liabilities.

3) Current and deferred tax for the year

Current and deferred tax are recognized in profit or loss, except when they relate to items that are recognized in other comprehensive income or directly in equity, in which case, the current and deferred tax are also recognized in other comprehensive income or directly in equity, respectively.

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Where current tax or deferred tax arises from the initial accounting for a business combination, the tax effect is included in the accounting for the business combination.

v.

U.S. Dollar Amounts

A translation of the consolidated financial statements into U.S. dollars is included solely for the convenience of the readers, and has been translated from New Taiwan dollar (NT\$) at the exchange rate as set forth in the statistical release by the U.S. Federal Reserve Board of the United States, which was NT\$32.4 to US\$1.00 as of December 31, 2016. The translation should not be construed as a representation that the NT\$ amounts have been, could have been, or could in the future be, converted into U.S. dollars at this or any other rate of exchange.

**5. CRITICAL ACCOUNTING JUDGMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY**

In the application of the Group's accounting policies, which are described in Note 4, management is required to make judgments, estimates and assumptions about the carrying amounts of assets and liabilities that are not readily apparent from other sources. The estimates and underlying assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimate is revised if the revision affects only that period, or in the period of the revision and future periods if the revision affects both current and future periods.

Impairment of Goodwill

Determining whether goodwill is impaired requires an estimation of the value in use of the cash-generating units to which goodwill has been allocated. The value in use calculation requires management to estimate the future cash flows expected to arise from cash-generating units and suitable discount rates in order to calculate its present value. When the actual future cash flows are less than expected, a material impairment loss may arise.

Acquisition of material associate

For the associate accounted for using the equity method, the Group recognized goodwill which is included within the carrying amount of the investment as of each investment date as the excess of cost of investments over the Group's share of the net fair value of the associate's identifiable assets acquired and the liabilities assumed at the respective investment dates. It involves critical accounting judgment and estimates when determining aforementioned fair values. The management engaged independent external appraiser to identify and evaluate the associate's identifiable tangible assets, intangible assets and liabilities. The scope of such evaluation includes assumptions as current replacement cost of tangible assets, the categories of intangible assets and their expected economic benefits, growth rates and discount rates used in cash flow analysis. The amounts of differences between fair value of identified tangible and intangible assets and the carrying amount at each respective investment dates are depreciated or amortized over their remaining useful lives or expected future economic benefit lives. The management considered that the related evaluation and assumption has appropriately reflected the fair value of identifiable assets acquired and liabilities assumed.

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Table of Contents**6. CASH AND CASH EQUIVALENTS**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Cash on hand	\$8,806	\$6,856	\$212
Checking accounts and demand deposits	50,291,823	28,823,763	889,622
Cash equivalent	4,950,552	9,561,905	295,120
	\$55,251,181	\$38,392,524	\$1,184,954

Cash equivalents include time deposits that are of a short maturity of three months or less from the date of acquisitions, and are highly liquid, readily convertible to known amounts in cash and the risk of changes in values is insignificant. Cash equivalents are held for the purpose of meeting short-term cash commitments rather than for investments or other purposes.

**7. FINANCIAL INSTRUMENTS AT FAIR VALUE THROUGH PROFIT OR LOSS**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Financial assets designated as at FVTPL			
Private-placement convertible bonds	\$100,500	\$100,583	\$3,104
Structured time deposits	1,646,357	-	-
	1,746,857	100,583	3,104
Financial assets held for trading			
Quoted shares	37,058	1,855,073	57,255
Open-end mutual funds	573,242	584,945	18,054
Swap contracts	1,452,611	462,339	14,270
Forward exchange contracts	18,913	66,872	2,064
Foreign currency option contracts	5,020	-	-
	2,086,844	2,969,229	91,643
	\$3,833,701	\$3,069,812	\$94,747

Financial liabilities held for trading

Conversion option, redemption option and put option of convertible bonds (Note 19)	\$2,632,565	\$1,213,890	\$37,466
Swap contracts	290,176	422,934	13,054
Forward exchange contracts	69,207	108,912	3,361
Foreign currency option contracts	13,659	17,924	553
Interest rate swap contracts	119	-	-
	\$3,005,726	\$1,763,660	\$54,434

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The Group invested in structured time deposits and in private-placement convertible bonds, and all included embedded derivative instruments which are not closely related to the host contracts. The Group designated the entire contracts as financial assets at FVTPL on initial recognition.

At each balance sheet date, the outstanding swap contracts not accounted for hedge accounting were as follows:

<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2015		
Sell NT\$/Buy US\$	2016.01~2016.12	NT\$57,554,138/US\$1,802,834
Sell US\$/Buy CNY	2016.01~2016.03	US\$353,881/CNY2,255,872
Sell US\$/Buy JPY	2016.03	US\$67,125/JPY8,240,000
Sell US\$/Buy NT\$	2016.01	US\$91,750/NT\$3,005,494

December 31, 2016

Sell NT\$/Buy US\$	2017.01~2017.12	NT\$59,797,499/US\$1,871,000
Sell US\$/Buy CNY	2017.03	US\$49,904/CNY349,800
Sell US\$/Buy JPY	2017.02	US\$77,153/JPY8,600,000
Sell US\$/Buy NT\$	2017.01	US\$61,000/NT\$1,958,908

At each balance sheet date, the outstanding forward exchange contracts not accounted for hedge accounting were as follow:

<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2015		
Sell NT\$/Buy US\$	2016.02	NT\$325,400/US\$10,000
Sell US\$/Buy CNY	2016.01~2016.03	US\$121,000/CNY780,252
Sell US\$/Buy JPY	2016.01	US\$14,000/JPY1,713,388
Sell US\$/Buy KRW	2016.01	US\$8,000/KRW9,420,350
Sell US\$/Buy MYR	2016.01~2016.02	US\$6,000/MYR25,525
Sell US\$/Buy NT\$	2016.01~2016.03	US\$155,000/NT\$5,088,230
Sell US\$/Buy SGD	2016.01~2016.02	US\$11,400/SGD16,079

December 31, 2016

Sell NT\$/Buy US\$	2017.01~2017.02	NT\$2,842,330/US\$90,000
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Sell US\$/Buy CNY	2017.01~2017.02	US\$70,000/CNY484,805
Sell US\$/Buy JPY	2017.01~2017.02	US\$43,877/JPY5,063,820
Sell US\$/Buy KRW	2017.01	US\$35,000/KRW41,012,700
Sell US\$/Buy MYR	2017.01~2017.02	US\$19,000/MYR84,544
Sell US\$/Buy NT\$	2017.01~2017.03	US\$190,000/NT\$6,099,400
Sell US\$/Buy SGD	2017.01~2017.03	US\$12,900/SGD18,080
Sell US\$/Buy EUR	2017.01	US\$281/EUR270

At each balance sheet date, the outstanding foreign currency option contracts not accounted for hedge accounting were as follows:

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<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2015		
Buy US\$ Call/CNY Put	2017.08 (Note)	US\$2,000/CNY13,800
Buy US\$ Put/CNY Call	2016.03	US\$20,000/CNY131,600
Sell US\$ Put/CNY Call	2017.08 (Note)	US\$1,000/CNY6,900

December 31, 2016

Buy US\$ Call/CNY Put	2017.08 (Note)	US\$2,000/CNY13,800
Sell US\$ Put/CNY Call	2017.08 (Note)	US\$1,000/CNY6,900

The contracts will be settled once a month and the counterparty has the right to early terminate the contracts, or Note: the contracts will be early terminated or both parties will have no obligation to settle the contracts when the specific criteria is met.

At each balance sheet date, the outstanding interest rate swap contracts not accounted for hedge accounting were as follows:

<b>Maturity Period</b>	<b>Notional Amounts (In Thousands)</b>	<b>Range of Interest Rates Paid</b>	<b>Range of Interest Rates Received</b>
<u>December 31, 2015</u>			
2016.10	NT\$1,000,000	4.6% (Fixed)	0.0%~5.0% (Floating)

**8. AVAILABLE-FOR-SALE FINANCIAL ASSETS**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Unquoted ordinary shares	\$249,217	\$553,350	\$17,078
Limited partnership	476,612	273,372	8,437
Open-end mutual funds	16,037	243,458	7,514
Quoted ordinary shares	197,580	146,786	4,531
Unquoted preferred shares	15,260	78,068	2,410
	954,706	1,295,034	39,970

Current	30,344	266,696	8,231
Non-current	\$924,362	\$1,028,338	\$31,739

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Table of Contents**9. TRADE RECEIVABLES, NET**

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Trade receivables	\$45,014,393	\$51,199,266	\$1,580,225
Less: Allowance for doubtful debts	82,906	53,709	1,658
Trade receivables, net	\$44,931,487	\$51,145,557	\$1,578,567

## a. Trade receivables

The Group's average credit terms were 30 to 90 days. Allowance for doubtful debts is assessed by reference to the collectability of receivables by evaluating the account aging, historical experience and current financial condition of customers.

As of December 31, 2015 and 2016, except that the Group's five largest customers accounted for 26% and 30% of accounts receivable, respectively, the concentration of credit risk is insignificant for the remaining accounts receivable.

Aging of receivables based on the past due date

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Not past due	\$40,409,227	\$45,959,876	\$1,418,515
1 to 30 days	3,901,300	4,467,435	137,884
31 to 90 days	495,664	700,122	21,609
More than 91 days	208,202	71,833	2,217
Total	\$45,014,393	\$51,199,266	\$1,580,225

Aging of receivables that were past due but not impaired

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
1 to 30 days	\$3,086,796	\$4,449,479	\$137,330
31 to 90 days	344,265	596,647	18,415
Total	\$3,431,061	\$5,046,126	\$155,745

Except for those impaired, the Group had not provided an allowance for doubtful debts on trade receivables at each balance sheet date since there has not been a significant change in credit quality and the amounts were still considered collectible. The Group did not hold any collateral or other credit enhancements over these balances nor did it have a legal right to offset against any amounts owed by the Group to counterparties.

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	<b>Impaired Individually</b> NT\$	<b>Impaired Collectively</b> NT\$	Total NT\$
Balance at January 1, 2014	\$ 26,885	\$ 41,235	\$68,120
Impairment losses recognized	2,875	15,156	18,031
Amount written off during the period as uncollectible	(891 )	(917 )	(1,808 )
Effect of foreign currency exchange	(564 )	366 )	(198 )
Balance at December 31, 2014	\$ 28,305	\$ 55,840	\$84,145
Balance at January 1, 2015	\$ 28,305	\$ 55,840	\$84,145
Impairment losses recognized (reversed)	18,816	(10,584 )	8,232
Amount written off during the period as uncollectible	(7,617 )	(209 )	(7,826 )
Effect of foreign currency exchange	(458 )	(1,187 )	(1,645 )
Balance at December 31, 2015	\$ 39,046	\$ 43,860	\$82,906
Balance at January 1, 2016	\$ 39,046	\$ 43,860	\$82,906
Impairment losses reversed	(21,501 )	(6,521 )	(28,022)
Effect of foreign currency exchange	(1,092 )	(83 )	(1,175 )
Balance at December 31, 2016	\$ 16,453	\$ 37,256	\$53,709

	<b>Impaired Individually</b> US\$ (Note 4)	<b>Impaired Collectively</b> US\$ (Note 4)	Total US\$ (Note 4)
Balance at January 1, 2016	\$ 1,205	\$ 1,354	\$2,559
Impairment losses reversed	(664 )	(201 )	(865 )
Effect of foreign currency exchange	(33 )	(3 )	(36 )
Balance at December 31, 2016	\$ 508	\$ 1,150	\$1,658

b.

Transfers of financial assets

Factored trade receivables of the Company were as follows:

Counterparties	Receivables Sold (In Thousands)	Amounts Collected (In Thousands)	Advances Received At Year-end (In Thousands)	Interest Rates on Advances Received (%)	Credit Line (In Thousands)
Year ended December 31, 2015					
Citi bank	US\$ 78,804	US\$ 36,955	US\$1,849	1.30	US\$ 92,000
Year ended December 31, 2016					
Citi bank	US\$ -	US\$ 41,849	US\$ -	-	US\$N6,000

Pursuant to the factoring agreement, losses from commercial disputes (such as sales returns and discounts) should be borne by the Company, while losses from credit risk should be borne by the banks. The Company also issued promissory notes to the banks for commercial disputes which remained undrawn since. The promissory notes amounted to US\$5,000 thousand and US\$2,000 thousand as of December 31, 2015 and 2016, respectively. As of December 31, 2016, there was no significant loss from commercial disputes in the past and the Company does not expect any significant commercial dispute loss in the foreseeable future.

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Table of Contents**10. INVENTORIES**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Finished goods	\$10,012,182	\$6,519,465	\$201,218
Work in process	1,692,346	2,822,687	87,120
Raw materials	9,672,894	10,850,062	334,879
Supplies	852,251	795,093	24,540
Raw materials and supplies in transit	1,028,606	450,755	13,912
	\$23,258,279	\$21,438,062	\$661,669

The cost of inventories recognized as operating costs for the years ended December 31, 2014, 2015 and 2016 were NT\$202,960,428 thousand, NT\$233,165,722 thousand and NT\$219,623,236 thousand (US\$6,778,495 thousand), respectively, which included write-downs of inventories at NT\$601,726 thousand, NT\$352,011 thousand and NT\$451,780 thousand (US\$13,944 thousand), respectively.

**11. INVENTORIES RELATED TO REAL ESTATE BUSINESS**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Land and buildings held for sale	\$5,431	\$263,526	\$8,134
Construction in progress (Note 17)	23,956,678	22,236,464	686,310
Land held for construction	1,751,429	1,687,525	52,084
	\$25,713,538	\$24,187,515	\$746,528

Land and buildings held for sale located in Kun Shan Qiandeng and Shanghai Zhangjiang, China were completed and successively sold. Construction in progress is mainly located on Caobao Road and Hutai Road in Shanghai, China and Lidu Road and Xinhong Road in Kun Shan, China. The capitalized borrowing costs for the years ended December 31, 2014, 2015 and 2016 is disclosed in Note 23.

As of December 31, 2015 and 2016, inventories related to real estate business of NT\$24,837,046 thousand and NT\$12,076,154 thousand (US\$372,721 thousand), respectively, are expected to be recovered longer than twelve months.

Refer to Note 34 for the carrying amount of inventories related to real estate business that had been pledged by the Group to secure bank borrowings.

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Table of Contents**12. OTHER FINANCIAL ASSETS**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Unsecured subordinate corporate bonds	\$-	\$1,000,000	\$30,864
Time deposits with original maturity of over three months	220,545	480,736	14,837
Pledged time deposits (Note 34)	207,359	206,530	6,374
Guarantee deposits	197,513	178,103	5,497
Others (Note 34)	22,254	13,698	423
	647,671	1,879,067	57,995
Current	301,999	558,686	17,243
Non-current	\$345,672	\$1,320,381	\$40,752

In June 2016, the Group acquired 1,000 units of perpetual unsecured subordinate corporate bonds in the amount of NT\$1,000,000 thousand (US\$30,864 thousand). The corporate bonds are in denomination of NT\$1,000 thousand with annual interest rate at 3.5% as of December 31, 2016.

**13. INVESTMENTS ACCOUNTED FOR USING THE EQUITY METHOD**

	December 31		US\$ (Note 4)
	<b>2015</b>	2016	
	(Adjusted) NT\$	NT\$	
Investments in associates	\$36,508,403	\$49,162,443	\$1,517,359
Investments in joint venture	613,841	670,550	20,696
	\$37,122,244	\$49,832,993	\$1,538,055

## a. Investments in associates

- 1) Investments in associates accounted for using the equity method consisted of the following:

Carrying Amount as of December 31  
**2015**                      2016

Name of Associate	Main Business	Operating Location	(Adjusted)		US\$ (Note 4)
			NT\$	NT\$	
Material associate Siliconware Precision Industries Co., Ltd. ("SPIL") Associates that are not individually material	Engaged in assembly, testing and turnkey services of integrated circuits	ROC	\$35,141,701	\$45,898,225	\$1,416,612
Deca Technologies Inc. "DECA"	Holding company and the group engaged in manufacturing, development and marketing of wafer level packaging and interconnect technology	British Cayman Islands	-	1,820,329	56,183
Hung Ching Development & Construction Co. ("HC")	Engaged in the development, construction and leasing of real estate properties	ROC	1,294,191	1,156,833	35,705
Hung Ching Kwan Co. ("HCK")	Engaged in the leasing of real estate properties	ROC	332,444	321,120	9,911

(Continued)

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Name of Associate	Main Business	Operating Location	Carrying Amount as of December 31		
			(Adjusted) NT\$	2016 NT\$	US\$ (Note 4)
Advanced Microelectronic Products Inc. ("AMPI")	Engaged in integrated circuit	ROC	\$40,216	\$266,085	\$8,212
			36,808,552	49,462,592	1,526,623
	Less: Deferred gain on transfer of land		300,149	300,149	9,264
			\$36,508,403	\$49,162,443	\$1,517,359

(Concluded)

2) At each balance sheet date, the percentages of ownership held by the Group were as follows:

	December 31	
	2015	2016
SPIL	24.99%	33.29%
DECA	-	22.07%
HC	26.22%	26.22%
HCK	27.31%	27.31%
AMPI	18.24%	38.76%

3) In September 2015, the Company acquired 24.99% shareholdings of SPIL and obtained significant influence over SPIL.

In March and April 2016, the Company acquired additional 258,300 thousand ordinary shares and ADS (one ADS represents five ordinary shares) of SPIL from open market with a total consideration of NT\$13,735,498 thousand (US\$423,935 thousand) which was paid in cash. As the result, the percentage of ownership increased from 24.99% to 33.29%.

As of December 31, 2016, the Company has completed the identification of the difference between the cost of the investment and the Company's share of the net fair value of SPIL's identifiable assets and liabilities. Therefore, the Company has retrospectively adjusted the comparative financial statements for prior periods. As of December 31, 2015, the retrospective adjustments are summarized as follows:

	Initially recognized NT\$	After adjustment NT\$
Investments accounted for using the equity method - SPIL	\$35,423,058	\$35,141,701
Retained earnings	\$53,981,305	\$53,699,948

In June 2016, the Company's board of directors approved to enter into and execute a joint share exchange agreement with SPIL. Please refer to Note 37.

In July 2016, the Company acquired 98,490 thousand preferred shares issued by DECA at US\$0.608 per share with a total consideration of NT\$1,934,062 thousand (US\$59,882 thousand). The percentage of ownership was 22.07% 4) and the Company obtained significant influence over DECA. As of December 31, 2016, the Company has not completed the identification of the difference between the cost of the investment and the Company's share of the net fair value of DECA's identifiable assets and liabilities.

5) In January 2014, the Company acquired additional ordinary shares of AMPI in a private placement and, as a result, obtained significant influence over AMPI. In November 2016, the Company's

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subsidiary, ASE Test, Inc., also purchased 90,000 thousand ordinary shares of AMPI in a private placement with NT\$225,000 thousand (US\$6,944 thousand) paid in cash. As a result, the percentage of ownership held by the Group was 38.76% as of December 31, 2016. As of December 31, 2016, ASE Test, Inc. has not completed the identification of the difference between the cost of the investment and the share of the net fair value of AMPI's identifiable assets and liabilities. The private-placement ordinary shares were all restricted for disposal during a 3-year lock-up period.

6) Fair values (Level 1 inputs in terms of IFRS 13) of investments in associates with available published price quotation are summarized as follows:

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
SPIL	\$40,741,700	\$49,634,805	\$1,531,938
HC	\$1,149,549	\$1,310,829	\$40,458
AMPI	\$104,255	\$307,038	\$9,476

7) Summarized financial information in respect of the Group's material associate

The summarized financial information below represents amounts shown in SPIL's consolidated financial statements prepared in accordance with IFRSs as issued by IASB and adjusted by the Group for equity method accounting purposes. The Group received cash dividends of nil and NT\$3,941,740 thousand (US\$121,659 thousand) from SPIL for the years ended December 31, 2015 and 2016, respectively.

	December 31		
	2015	2016	
	(Adjusted)		
	NT\$	NT\$	US\$ (Note 4)
Current assets	\$48,785,212	\$50,451,295	\$1,557,139
Non-current assets	112,511,491	107,573,251	3,320,162
Current liabilities	(30,677,239 )	(41,088,439 )	(1,268,162)
Non-current liabilities	(23,002,788 )	(17,518,410 )	(540,692 )
Equity	\$107,616,676	\$99,417,697	\$3,068,447
Proportion of the Group's ownership interest in SPIL	24.99 %	33.29 %	33.29 %
Net assets attributable to the Group	\$26,893,407	\$33,096,151	\$1,021,486
Goodwill	8,248,294	12,802,074	395,126

Carrying amount \$35,141,701 \$45,898,225 \$1,416,612

	For the Year Ended December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Operating revenue	\$82,839,922	\$85,111,913	\$2,626,911
Gross profit	\$20,483,422	\$15,027,247	\$463,804
Profit before income tax	\$9,251,644	\$7,351,661	\$226,903
Net profit for the year	\$7,885,585	\$5,484,462	\$169,273
Other comprehensive loss for the year	(906,776 )	(2,373,532 )	(73,257 )
Total comprehensive income for the year	\$6,978,809	\$3,110,930	\$96,016

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## 8) Aggregate information of associates that are not individually material

	For the Years Ended December 31			US\$ (Note 4)
	2014 NT\$	2015 NT\$	2016 NT\$	
The Group's share of:				
Net profit (loss) for the year	\$ 133,929	\$ 120,749	\$ (139,366)	\$(4,302)
Other comprehensive income (loss) for the year	234,125	(2,916 )	(115,650)	(3,569)
Total comprehensive income (loss) for the year	\$ 368,054	\$ 117,833	\$ (255,016)	\$(7,871)

## b. Investments in joint venture

The Group's investment in a joint venture that was not individually material and accounted for using the equity method consisted of ASE Embedded Electronics Inc. ("ASEEE"). In May 2015, the Group and TDK Corporation ("TDK") entered into an agreement to establish a joint venture to invest in ASEEE. The Group invested NT\$618,097 thousand in August 2015 and participated in ASEEE's cash capital increase with NT\$146,903 thousand (US\$4,534 thousand) in September 2016. As of December 31, 2015 and 2016, the percentages of ownership were both 51%. ASEEE are located in ROC and engaged in the production of embedded substrate. According to the joint arrangement, the Group and TDK must act together to direct the relevant operating activities and, as a result, the Group does not control ASEEE. The investment in ASEEE is accounted for using the equity method.

## 2) Aggregate information of the joint venture that is not individually material

	For the Year Ended December 31		US\$ (Note 4)
	2015 NT\$	2016 NT\$	
The Group's share of net loss and total comprehensive loss for the year	\$(4,274)	\$(90,478)	\$(2,793)

**14. PROPERTY, PLANT AND EQUIPMENT**

The carrying amounts of each class of property, plant and equipment were as follows:

December 31	
2015	2016
NT\$	NT\$

US\$ (Note  
4)

Land	\$3,381,300	\$3,365,013	\$103,858
Buildings and improvements	59,801,054	58,028,631	1,791,007

(Continued)

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	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Machinery and equipment	\$78,715,309	\$72,700,762	\$2,243,851
Other equipment	1,814,994	2,089,581	64,493
Construction in progress and machinery in transit	6,284,418	7,696,254	237,539
	\$149,997,075	\$143,880,241	\$4,440,748

(Concluded)

For the year ended December 31, 2014

	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Cost						
Balance at January 1, 2014	\$3,295,758	\$70,593,537	\$208,351,905	\$6,384,589	\$7,009,702	\$295,635,491
Additions	-	1,246,123	1,140,822	572,766	40,488,876	43,448,587
Disposals	-	(299,515 )	(8,188,532 )	(447,047 )	(56,209 )	(8,991,303 )
Reclassification	-	12,683,476	27,935,525	395,115	(41,044,364)	(30,248 )
Effect of foreign currency exchange differences	52,260	2,501,633	4,429,907	277,151	(535,788 )	6,725,163
Balance at December 31, 2014	\$3,348,018	\$86,725,254	\$233,669,627	\$7,182,574	\$5,862,217	\$336,787,690
Accumulated depreciation and impairment						
Balance at January 1, 2014	\$-	\$25,826,936	\$133,266,723	\$5,044,501	\$-	\$164,138,160
Depreciation expense	-	3,980,337	21,180,214	644,491	-	25,805,042
Impairment losses recognized	-	79,124	211,466	-	7,164	297,754
Disposals	-	(248,477 )	(7,786,216 )	(433,863 )	-	(8,468,556 )
Reclassification	-	7,459	(7,122 )	(7,907 )	-	(7,570 )

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Effect of foreign currency exchange differences	-	684,165	2,632,915	118,665	-	3,435,745
Balance at December 31, 2014	\$-	\$ 30,329,544	\$ 149,497,980	\$ 5,365,887	\$ 7,164	\$ 185,200,575

For the year ended December 31, 2015

	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
<b>Cost</b>						
Balance at January 1, 2015	\$3,348,018	\$ 86,725,254	\$ 233,669,627	\$ 7,182,574	\$ 5,862,217	\$ 336,787,690
Additions	-	132,584	553,496	401,417	27,193,324	28,280,821
Disposals	-	(405,040 )	(8,041,933 )	(232,555 )	(20,711 )	(8,700,239 )
Reclassification	-	8,579,472	18,054,712	389,783	(26,893,158)	130,809
Effect of foreign currency exchange differences	33,282	(584,338 )	(952,295 )	(18,811 )	256,088	(1,266,074 )
Balance at December 31, 2015	\$3,381,300	\$ 94,447,932	\$ 243,283,607	\$ 7,722,408	\$ 6,397,760	\$ 355,233,007
<b>Accumulated depreciation and impairment</b>						
Balance at January 1, 2015	\$-	\$ 30,329,544	\$ 149,497,980	\$ 5,365,887	\$ 7,164	\$ 185,200,575
Depreciation expense	-	4,790,646	23,372,408	775,716	-	28,938,770
Impairment losses recognized	-	120,424	31,116	-	106,589	258,129
Disposals	-	(308,895 )	(7,838,937 )	(224,509 )	-	(8,372,341 )
Reclassification	-	5,704	(11,920 )	3,008	-	(3,208 )
Effect of foreign currency exchange differences	-	(290,545 )	(482,349 )	(12,688 )	(411 )	(785,993 )
Balance at December 31, 2015	\$-	\$ 34,646,878	\$ 164,568,298	\$ 5,907,414	\$ 113,342	\$ 205,235,932

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	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery  in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
<b>Cost</b>						
Balance at January 1, 2016	\$3,381,300	\$94,447,932	\$243,283,607	\$7,722,408	\$6,397,760	\$355,233,007
Additions	-	22,341	94,480	470,901	27,093,140	27,680,862
Disposals	-	(684,698 )	(5,956,179 )	(159,822 )	(268,782 )	(7,069,481 )
Reclassification	-	5,110,102	19,661,732	691,276	(25,463,285)	(175 )
Acquisitions through business combinations	-	-	-	1,159	-	1,159
Effect of foreign currency exchange differences	(16,287 )	(2,637,502 )	(8,882,884 )	(251,261 )	(45,291 )	(11,833,225 )
Balance at December 31, 2016	\$3,365,013	\$96,258,175	\$248,200,756	\$8,474,661	\$7,713,542	\$364,012,147
<b>Accumulated depreciation and impairment</b>						
Balance at January 1, 2016	\$-	\$34,646,878	\$164,568,298	\$5,907,414	\$113,342	\$205,235,932
Depreciation expense	-	5,114,263	22,983,290	864,061	-	28,961,614
Impairment losses recognized	-	620	876,123	5,564	5,924	888,231
Disposals	-	(449,198 )	(5,544,489 )	(151,875 )	(100,049 )	(6,245,611 )
Reclassification	-	(5,123 )	9,660	(4,537 )	-	-
Acquisitions through business combinations	-	-	-	824	-	824
Effect of foreign currency exchange differences	-	(1,077,896 )	(7,392,888 )	(236,371 )	(1,929 )	(8,709,084 )
Balance at December 31, 2016	\$-	\$38,229,544	\$175,499,994	\$6,385,080	\$17,288	\$220,131,906
	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery	Total

	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	in transit US\$ (Note 4) US\$ (Note 4)	
<b>Cost</b>						
Balance at January 1,2016	\$ 104,361	\$ 2,915,060	\$ 7,508,753	\$ 238,346	\$ 197,462	\$ 10,963,982
Additions	-	690	2,916	14,534	836,208	854,348
Disposals	-	(21,133 )	(183,833 )	(4,933 )	(8,296 )	(218,195 )
Reclassification	-	157,719	606,844	21,336	(785,904 )	(5 )
Acquisitions through business combinations	-	-	-	36	-	36
Effect of foreign currency exchange differences	(503 )	(81,404 )	(274,163 )	(7,755 )	(1,398 )	(365,223 )
Balance at December 31, 2016	\$ 103,858	\$ 2,970,932	\$ 7,660,517	\$ 261,564	\$ 238,072	\$ 11,234,943
<b>Accumulated depreciation and impairment</b>						
Balance at January 1, 2016	\$-	\$ 1,069,348	\$ 5,079,268	\$ 182,328	\$ 3,498	\$ 6,334,442
Depreciation expense	-	157,848	709,361	26,668	-	893,877
Impairment losses recognized	-	19	27,041	172	183	27,415
Disposals	-	(13,864 )	(171,126 )	(4,688 )	(3,088 )	(192,766 )
Reclassification	-	(158 )	298	(140 )	-	-
Acquisitions through business combinations	-	-	-	25	-	25
Effect of foreign currency exchange differences	-	(33,268 )	(228,176 )	(7,294 )	(60 )	(268,798 )
Balance at December 31,2016	\$-	\$ 1,179,925	\$ 5,416,666	\$ 197,071	\$ 533	\$ 6,794,195

Due to the Group's future operation plans and capacity evaluation or production demands, the Group believed that a portion of property, plant and equipment used in packaging segment, testing segment, EMS segment and other segment was not used and recognized an impairment loss of NT\$297,754 thousand, NT\$258,129 thousand and NT\$888,231 thousand (US\$27,415 thousand) under the line item of other operating income and expenses in the consolidated statements of comprehensive income for the years ended December 31, 2014, 2015 and 2016, respectively. The recoverable amount of a portion of the impaired property, plant and equipment is determined by its fair value less costs of disposal, of which the fair value is based on the quoted prices of assets with similar obsolescence that provided by the vendors in market. The recent quoted prices of assets are a Level 3 input in terms of IFRS 13 because the market is not very active. The recoverable amount of the other portion of the impaired property, plant and equipment is determined on the basis of its value in use. The Group expects to derive zero future cash flows from these assets.

Each class of property, plant and equipment was depreciated on a straight-line basis over the following useful lives:

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Buildings and improvements	
Main plant buildings	10-40 years
Cleanrooms	10-20 years
Others	3-20 years
Machinery and equipment	2-10 years
Other equipment	2-20 years

The capitalized borrowing costs for the years ended December 31, 2014, 2015 and 2016 are disclosed in Note 23.

### 15. GOODWILL

	Cost NT\$	Accumulated impairment NT\$	Carrying amount NT\$
Balance at January 1, 2014	\$12,336,816	\$1,988,996	\$10,347,820
Effect of foreign currency exchange differences	97,595	-	97,595
Balance at December 31, 2014	12,434,411	1,988,996	10,445,415
Effect of foreign currency exchange differences	61,104	-	61,104
Balance at December 31, 2015	12,495,515	1,988,996	10,506,519
Acquisitions through business combinations	83,892	-	83,892
Effect of foreign currency exchange differences	(31,533 )	-	(31,533 )
Balance at December 31, 2016	\$12,547,874	\$1,988,996	\$10,558,878

	Cost US\$ (Note 4)	Accumulated impairment US\$ (Note 4)	Carrying amount US\$ (Note 4)
Balance at January 1, 2016	\$385,664	\$ 61,389	\$324,275
Acquisitions through business combinations	2,589	-	2,589
Effect of foreign currency exchange differences	(973 )	-	(973 )
Balance at December 31, 2016	\$387,280	\$ 61,389	\$325,891

a. Allocating goodwill to cash-generating units

Goodwill had been allocated to the following cash-generating units for impairment testing purposes: packaging segment, testing segment, EMS segment and other segment. The carrying amount of goodwill allocated to



cash-generating units was as follows:

Cash-generating units	December 31		US\$ (Note 4)
	2015 NT\$	2016 NT\$	
Testing segment	\$7,890,525	\$7,868,961	\$242,869
Others	2,615,994	2,689,917	83,022
	\$10,506,519	\$10,558,878	\$325,891

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## b. Impairment assessment

At the end of each year, the Group performs impairment assessment by reviewing the recoverable amounts based on value in use which incorporates cash flow projections covering a five-year period. The cash flows beyond that five-year period have been extrapolated using a steady 1.5% per annum growth rate. In assessing value in use, the estimated future cash flows are discounted to their present value using annual discount rates. For the years ended December 31, 2014, 2015 and 2016, the Group did not recognize impairment loss on goodwill.

The key assumptions used in the value in use calculations are growth rates for operating revenue and discount rates. Growth rates for operating revenue are based on the revenue forecast for the Group and the market as well as the Group's historical experience. The discount rates were 9.70%-11.50%, 8.67%- 10.71% and 9.09%- 10.49% as of December 31, 2014, 2015 and 2016, respectively

Management believed that any reasonably possible change in the key assumptions on which recoverable amount was based would not cause the aggregate carrying amount of the cash-generating unit to exceed its aggregate recoverable amount significantly.

**16. OTHER INTANGIBLE ASSETS**

The carrying amounts of each class of other intangible assets were as follows:

	December 31		US\$ (Note 4)
	2015 NT\$	2016 NT\$	
Customer relationships	\$274,402	\$194,089	\$5,990
Computer software	953,322	943,527	29,121
Patents and acquired specific technology	15,696	302,955	9,351
Others	138,673	120,418	3,717
	\$1,382,093	\$1,560,989	\$48,179

For the year ended December 31, 2014

Others      Total

	Customer relationships	Computer software	Patents and acquired specific technology		
	NT\$	NT\$	NT\$	NT\$	NT\$
Cost					
Balance at January 1, 2014	\$ 1,579,015	\$3,679,835	\$2,135,697	\$ 168,958	\$7,563,505
Additions	-	375,623	-	20,843	396,466
Disposals or derecognition	-	(1,232,757)	-	(6,406 )	(1,239,163)
Reclassification	-	6,228	-	-	6,228
Effect of foreign currency exchange differences	-	54,002	3,441	1,015	58,458
Balance at December 31, 2014	\$ 1,579,015	\$2,882,931	\$2,139,138	\$ 184,410	\$6,785,494

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	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Accumulated amortization					
Balance at January 1, 2014	\$ 924,194	\$ 3,002,828	\$ 2,011,272	\$ 19,387	\$ 5,957,681
Amortization expense	153,320	269,375	105,516	17,523	545,734
Disposals or derecognition	-	(1,227,346)	-	-	(1,227,346)
Reclassification	-	2,516	-	-	2,516
Effect of foreign currency exchange differences	-	37,431	1,466	141	39,038
Balance at December 31, 2014	\$ 1,077,514	\$ 2,084,804	\$ 2,118,254	\$ 37,051	\$ 5,317,623

(Concluded)

For the year ended December 31, 2015

	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Cost					
Balance at January 1, 2015	\$ 1,579,015	\$ 2,882,932	\$ 2,139,138	\$ 184,409	\$ 6,785,494
Additions	-	481,412	209	9,514	491,135
Disposals or derecognition	(663,379 )	(8,426 )	(1,983,914)	(204 )	(2,655,923)
Reclassification	-	12,360	-	-	12,360
Effect of foreign currency exchange differences	-	(29,918 )	(1,351 )	(381 )	(31,650 )
Balance at December 31, 2015	\$ 915,636	\$ 3,338,360	\$ 154,082	\$ 193,338	\$ 4,601,416
Accumulated amortization					
Balance at January 1, 2015	\$ 1,077,514	\$ 2,084,805	\$ 2,118,254	\$ 37,050	\$ 5,317,623
Amortization expense	227,099	325,856	9,461	17,478	579,894
Disposals or derecognition	(663,379 )	(7,402 )	(1,983,914)	-	(2,654,695)
Reclassification	-	3,190	-	-	3,190
Effect of foreign currency exchange differences	-	(21,411 )	(5,415 )	137	(26,689 )

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Balance at December 31, 2015	\$ 641,234	\$ 2,385,038	\$ 138,386	\$ 54,665	\$ 3,219,323
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	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Cost					
Balance at January 1, 2016	\$ 915,636	\$3,338,360	\$ 154,082	\$ 193,338	\$4,601,416
Additions (Note 33)	-	372,188	301,351	1,605	675,144
Disposals	-	(80,537 )	(1,310 )	-	(81,847 )
Reclassification	-	-	786	-	786
Acquisitions through business combinations	-	-	1,074	30	1,104
Effect of foreign currency exchange differences	-	(77,782 )	(4,846 )	(2,581 )	(85,209 )
Balance at December 31, 2016	\$ 915,636	\$3,552,229	\$ 451,137	\$ 192,392	\$5,111,394
Accumulated amortization					
Balance at January 1, 2016	\$ 641,234	\$2,385,038	\$ 138,386	\$ 54,665	\$3,219,323
Amortization expense	80,313	345,836	17,120	17,421	460,690
Disposals	-	(58,765 )	(1,310 )	-	(60,075 )
Reclassification	-	-	786	-	786
Acquisitions through business combinations	-	-	483	23	506
Effect of foreign currency exchange differences	-	(63,407 )	(7,283 )	(135 )	(70,825 )
Balance at December 31, 2016	\$ 721,547	\$2,608,702	\$ 148,182	\$ 71,974	\$3,550,405
	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
Cost					
Balance at January 1, 2016	\$ 28,260	\$103,036	\$ 4,756	\$ 5,967	\$142,019
Additions (Note 33)	-	11,487	9,301	50	20,838
Disposals	-	(2,486 )	(40 )	-	(2,526 )
Reclassification	-	-	24	-	24
Acquisitions through business combinations	-	-	33	1	34
Effect of foreign currency exchange differences	-	(2,401 )	(150 )	(80 )	(2,631 )
Balance at December 31, 2016	\$ 28,260	\$109,636	\$ 13,924	\$ 5,938	\$157,758

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	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
Accumulated amortization					
Balance at January 1, 2016	\$ 19,791	\$73,612	\$ 4,271	\$1,687	\$99,361
Amortization expense	2,479	10,674	528	538	14,219
Disposals	-	(1,814 )	(40 )	-	(1,854 )
Reclassification	-	-	24	-	24
Acquisitions through business combinations	-	-	15	1	16
Effect of foreign currency exchange differences	-	(1,957 )	(225 )	(5 )	(2,187 )
Balance at December 31, 2016	\$ 22,270	\$80,515	\$ 4,573	\$2,221	\$109,579

Each class of other intangible assets, except a portion of customer relationships amortized based on the pattern in which the economic benefits are consumed, were amortized on the straight-line basis over the following useful lives:

Customer relationships	11 years
Computer software	3-5 years
Patents and acquired specific technology	3-15 years
Others	3-32 years

## 17. LONG-TERM PREPAYMENTS FOR LEASE

Long-term prepayments for lease mainly represented land use rights located in China with periods for use from 50 to 70 years. As of December 31, 2014, 2015 and 2016, the carrying amount of the land use right which the Group was in the process of obtaining the certificates was NT\$17,594 thousand, nil and nil, respectively. During 2014, the land use right located in China which the Group obtained the certificates was reclassified from long-term prepayments for lease to construction in progress under inventories related to real estate business.

## 18. BORROWINGS

### a. Short-term borrowings

Short-term borrowings mainly represented unsecured revolving bank loans with annual interest rates at 0.57%-5.78% and 0.70%-8.99% as of December 31, 2015 and 2016, respectively.



b. Short-term bills payable – only as of December 31, 2015

Commercial papers	\$4,350,000
Less: unamortized arrangement fee	1,946

\$4,348,054

Annual interest rate	0.78	%
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The commercial papers were secured by China Bills Finance Corporation and Mega Bills Finance Corporation.

c. Long-term borrowings

1) Bank loans

As of December 31, 2015 and 2016, the long-term bank loans with fixed interest rates were both amounted to NT\$1,500,000 thousand (US\$46,297 thousand), respectively, with annual interest rates at 1.17% and 1.20%, respectively. The long-term bank loans with fixed interest rates will be repayable in December 2018. The others were long-term bank loans with floating interest rates and consisted of the following:

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Working capital bank loans			
Syndicated bank loans - repayable through January 2017 to July 2018, annual interest rates were 1.56%-1.92% and 2.55% as of December 31, 2015 and 2016, respectively	\$ 12,159,037	\$ 9,223,500	\$ 284,676
Others - repayable through January 2017 to November 2019, annual interest rates were 0.90%-3.98% and 0.74%-4.48% as of December 31, 2015 and 2016, respectively	25,660,638	36,009,917	1,111,417
Mortgage loans			
Repayable through July 2017 to June 2023, annual interest rates were both 4.95%-5.39% as of December 31, 2015 and 2016	3,251,139	4,390,003	135,494
	41,070,814	49,623,420	1,531,587
Less: unamortized arrangement fee	18,670	7,198	222
	41,052,144	49,616,222	1,531,365
Less: current portion	2,057,465	6,567,565	202,703
	\$ 38,994,679	\$ 43,048,657	\$ 1,328,662

Pursuant to the above syndicated bank loans agreements, the Company and some of its subsidiaries should maintain certain financial covenants including current ratio, leverage ratio, tangible net assets and interest coverage ratio. Such financial ratios are calculated based on the Group's annual audited consolidated financial statements or semi-annual reviewed consolidated financial statements or subsidiaries' annual audited financial statements under local GAAP. The Company and its subsidiaries were in compliance with all of the financial covenants as of December 31, 2015 and 2016.

The Group had sufficient long term credit facility obtained before December 31, 2015 to refinance a portion of loans on a long-term basis. Therefore, NT\$2,105,883 thousand was not classified as current portion of long-term borrowings as of December 31, 2015.

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	2)		Long-term bills payable			
	December 31					
	2015	2016	US\$ (Note 4)			
	NT\$	NT\$				
Unsecured commercial paper	\$2,000,000	\$2,000,000	\$61,728			
Less: unamortized arrangement fee	1,011	659	20			
Long-term borrowings	\$1,998,989	\$1,999,341	\$61,708			
Annual interest rates	1.03	%	1.00	%	1.00	%

The commercial paper contract was entered into with Ta Ching Bills Finance Corporation in December 2015 and the duration is three years.

**19.****BONDS PAYABLE**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Unsecured domestic bonds			
Repayable at maturity in January 2021 and interest due annually with annual interest rate at 1.30%	\$-	\$7,000,000	\$216,049
Repayable at maturity in January 2023 and interest due annually with annual interest rate at 1.50%	-	2,000,000	61,728
Unsecured convertible overseas bonds			
US\$400,000 thousand	13,130,000	12,900,000	398,148
US\$200,000 thousand (linked to New Taiwan dollar)	6,185,600	6,185,600	190,914
Secured overseas bonds - secured by the Company			
US\$300,000 thousand, repayable at maturity in July 2017; interest due semi-annually with annual interest rate 2.125%	9,847,500	9,675,000	298,611
CNY500,000 thousand, with annual interest rate at 4.25% and repaid in September 2016	2,527,489	-	-
Secured domestic bonds - secured by banks			
With annual interest rate at 1.45% and repaid in August 2016	8,000,000	-	-
	39,690,589	37,760,600	1,165,450
Less: discounts on bonds payable	1,264,339	760,697	23,478
	38,426,250	36,999,903	1,141,972
Less: current portion	14,685,866	9,658,346	298,097

\$23,740,384 \$27,341,557 \$843,875

The Group had sufficient long term credit facility obtained before December 31, 2015 to refinance a portion of the bonds payable on a long-term basis. Therefore, NT\$8,000,000 thousand was not classified as current portion of bonds payable as of December 31, 2015.

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In September 2013, the Company offered the third unsecured convertible overseas bonds (the “Bonds”) in US\$400,000 thousand. The Bonds is zero coupon bonds with the maturity of 5 years, in denominations of US\$200 thousand or in any integral multiples thereof. Each holder of the Bonds has the right at any time on or after October 16, 2013 and up to (and including) August 26, 2018, except during legal lock-up period, to convert the Bonds into newly issued listed common shares at the conversion price NT\$33.085, determined on the basis of a fixed exchange rate of US\$1 to NT\$29.956. The conversion price will be adjusted in accordance with the conversion provisions due to anti-dilution clause. As of December 31, 2015 and 2016, the conversion price was NT\$30.28 and NT\$28.99 (US\$0.89), respectively. As of April 13, 2017, the date the consolidated financial statements were authorized for issue by the management, the conversion price was adjusted to NT\$28.96 (US\$0.89) due to the Company’s cash capital increase in February 2017 (Note 22).

The Bonds may be redeemed at the option of the Company, in whole or in part, at any time on or after the third anniversary of the offering date provided that (1) the closing price, translated into U.S. dollars, of the common shares for a period of 20 consecutive trading days is at least 130% of the conversion price, (2) at least 90% in aggregate principal amount of the Bonds originally outstanding has been redeemed, repurchased and canceled or converted, or (3) the Company is required to pay additional taxes on the Bonds as a result of certain changes in tax laws in the ROC.

Each holder shall have the right to request the Company repurchase all or any portion of the principal amount thereof of a holder’s Bonds (1) on the third anniversary of the offering date, (2) in the event of a change of control, or (3) in the event of delisting.

The Bonds contained a debt host contract, recognized as bonds payable, and the conversion option, redemption option and put option (collectively the “Bonds Options”) aggregately recognized as financial liabilities at FVTPL. The effective interest rate of the debt host contract was 3.16% and the aggregate fair value of the Bonds Options was NT\$1,667,950 thousand on initial recognition.

In July 2015, the Company offered the forth unsecured convertible overseas bonds (the “Currency Linked Bonds”) in US\$200,000 thousand. The Currency Linked Bonds is zero coupon bonds with the maturity of 2.75 years, in denominations of US\$200 thousand or in any integral multiples thereof. Repayment, redemption and put amount denominated in U.S. dollar will be converted into New Taiwan dollar amount using a fixed exchange rate of US\$1 to NT\$30.928 (the “Fixed Exchange Rate”) and then converted back to U.S. dollar amount using the applicable prevailing rate at the time of repayment, redemption or put. Each holder of the Currency Linked Bonds has the right at any time on or after August 11, 2015 and up to (and including) March 17, 2018, except during legal lock-up period, to convert the Currency Linked Bonds into common shares at the conversion price NT\$54.55, determined on the basis of the Fixed Exchange Rate. The Company’s treasury shares will be available for delivery upon conversion of the Currency Linked Bonds. The conversion price will be adjusted in accordance with the conversion provisions due to anti-dilution clause. As of December 31, 2015 and 2016, the conversion price was NT\$51.73 and NT\$49.52 (US\$1.53), respectively. As of April 13, 2017, the date the consolidated financial statements were authorized for issue by the management, the conversion price was adjusted to NT\$49.48 (US\$1.53) due to the Company’s cash capital increase in February 2017 (Note 22).

The Currency Linked Bonds may be redeemed at the option of the Company, in whole or in part, at any time on or after March 19, 2018 provided that (1) the closing price, translated into U.S. dollars, of the common shares for a period of 20 out of 30 consecutive trading days is at least 130% of the conversion price, (2) at least 90% in aggregate principal amount of the Currency Linked Bonds originally outstanding has been redeemed, repurchased and canceled or converted, or (3) the Company is required to pay additional taxes on the Currency Linked Bonds as a result of certain changes in tax laws in the ROC.

Each holder shall have the right to request the Company repurchase all or any portion of the principal amount thereof of a holder's Currency Linked Bonds (1) in the event of a change of control, or (2) in the event of delisting.

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The Currency Linked Bonds contained a debt host contract, recognized as bonds payable, and the conversion option, recognized as capital surplus. The effective interest rate of the debt host contract was 1.58% and the fair value of the conversion option was NT\$214,022 thousand on initial recognition.

To focus on corporate sustainability and to carry out the commitment to environmental protection and energy conservation, Anstock II Limited, a subsidiary the Company 100% owned, offered overseas bonds in US\$300,000 c. thousand with the maturity of 3 years and annual interest rate of 2.125% (the “Green Bonds”) in July 2014. The Green Bonds are unconditionally and irrevocably guaranteed by the Company and the proceeds were used to fund certain eligible projects to promote the Group’s transition to low-carbon and climate resilient growth.

In January 2017, the Company offered unsecured domestic bonds of NT\$3,700,000 thousand (US\$114,198 thousand) with a maturity of 5 years in January 2022, and of NT\$4,300,000 thousand (US\$132,716 thousand) with a maturity of 7 years in January 2024, respectively. The interests are both due annually and the interest rates are 1.25% and 1.45%, respectively.

**20.****OTHER PAYABLES**

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Accrued salary and bonus	\$5,826,982	\$6,606,406	\$203,901
Payables for property, plant and equipment	4,782,357	5,605,528	173,010
Accrued employees’ compensation and remuneration to directors	2,270,608	2,400,778	74,098
Accrued employee insurance	599,218	617,419	19,056
Accrued utilities	466,956	410,796	12,679
Payables for patents and acquired specific technology (Note 33)	-	120,938	3,733
Others	5,248,697	5,760,169	177,783
	\$19,194,818	\$21,522,034	\$664,260

**21.****RETIREMENT BENEFIT PLANS**

## a.

## Defined contribution plans

The pension plan under the ROC Labor Pension Act (“LPA”) for the Group’s ROC resident employees is a 1) government-managed defined contribution plan. Based on the LPA, the Company and its subsidiaries in Taiwan makes monthly contributions to employees’ individual pension accounts at 6% of their monthly salaries.



2) The subsidiaries located in China, U.S.A., Malaysia, Singapore and Mexico also make contributions at various ranges according to relevant local regulations.

b.

Defined benefit plans

The Company and its subsidiaries in Taiwan joined the defined benefit pension plan under the ROC Labor Standards Law operated by the government. Pension benefits are calculated on the basis of the length of service and average monthly salaries of the last six months before retirement. The Company and its subsidiaries in Taiwan make contributions based on a certain percentage of their domestic employees' monthly salaries to a pension fund administered by the pension fund

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monitoring committee. Before the end of each year, the Company and its subsidiaries in Taiwan assess the balance in the pension fund. If the amount of the balance in the pension fund is inadequate to pay retirement benefits for employees who conform to retirement requirements in the next year, the Company and its subsidiaries in Taiwan are required to fund the difference in one appropriation that should be made before the end of March of the next year. Pension contributions are deposited in the Bank of Taiwan in the committee's name and are managed by the Bureau of Labor Funds, Ministry of Labor ("the Bureau"); the Group have no right to influence the investment policy and strategy.

ASE Japan has a pension plan under which eligible employees with more than ten years of service are entitled to receive pension benefits based on their length of service and salaries at the time of termination of employment. ASE Japan makes contributions based on a certain amount of pension cost to employees.

ASE Korea also has a pension plan under which eligible employees and directors with more than one year of service are entitled to receive a lump-sum payment upon termination of their service with ASE Korea, based on their length of service and salaries at the time of termination. ASE Korea makes contributions based on a certain percentage of pension cost to an external financial institution administered by the management and in the names of employees.

ASE Inc., ASE Test, Inc. and ASE Electronics Inc. maintain pension plans for executive managers. Pension costs under the plans were NT\$16,645 thousand, NT\$2,302 thousand and NT\$6,872 thousand (US\$212 thousand) for the years ended December 31, 2014, 2015 and 2016, respectively. Pension payments were NT\$25,315 thousand, NT\$2,549 thousand and NT\$0 thousand (US\$0 thousand) for the years ended December 31, 2014, 2015 and 2016, respectively. As of December 31, 2015 and 2016, accrued pension liabilities for executive managers were NT\$199,595 thousand and NT\$206,467 thousand (US\$6,372 thousand), respectively.

The amounts included in the consolidated balance sheets arising from the Group's obligation in respect of its defined benefit plans excluding those for executive managers were as follows:

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Present value of the defined benefit obligation	\$7,973,676	\$8,389,884	\$258,947
Fair value of plan assets	(3,973,729)	(4,417,367)	(136,338)
Present value of unfunded defined benefit obligation	3,999,947	3,972,517	122,609
Recorded under others payables	(138,959 )	(22,273 )	(688 )
Recorded under prepaid pension cost	11,910	15,542	480
Net defined benefit liability	\$3,872,898	\$3,965,786	\$122,401

Movements in net defined benefit liability (asset) were as follows:

	Present value of the defined benefit obligation NT\$	Fair value of the plan assets NT\$	Net defined benefit liability (asset) NT\$
Balance at January 1, 2014 (Continued)	\$7,472,145	\$(3,118,804)	\$4,353,341

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	Present value of the defined benefit obligation NT\$	Fair value of the plan assets NT\$	Net defined benefit liability (asset) NT\$
Service cost			
Current service cost	\$327,707	\$-	\$327,707
Past service cost	22,036	-	22,036
Net interest expense (income)	189,043	(109,636 )	79,407
Recognized in profit or loss	538,786	(109,636 )	429,150
Remeasurement			
Return on plan assets (excluding amounts included in net interest)	-	29,338	29,338
Actuarial gain arising from changes in financial assumptions	(46,913 )	-	(46,913 )
Actuarial loss arising from experience adjustments	38,516	-	38,516
Actuarial loss arising from changes in demographic assumptions	7,204	-	7,204
Recognized in other comprehensive income	(1,193 )	29,338	28,145
Contributions from the employer	-	(556,555 )	(556,555 )
Benefits paid from the pension fund	(292,996 )	292,996	-
Benefits paid from the Group	(16,237 )	-	(16,237 )
Exchange differences on foreign plans	(26,212 )	(39,826 )	(66,038 )
Balance at December 31, 2014	7,674,293	(3,502,487)	4,171,806
Service cost			
Current service cost	335,655	-	335,655
Net interest expense (income)	183,889	(108,356 )	75,533
Recognized in profit or loss	519,544	(108,356 )	411,188
Remeasurement			
Return on plan assets (excluding amounts included in net interest)	-	12,426	12,426
Actuarial loss arising from changes in financial assumptions	309,695	-	309,695
Actuarial gain arising from experience adjustments	(243,363 )	-	(243,363 )
Actuarial gain arising from changes in demographic assumptions	(15,847 )	-	(15,847 )
Recognized in other comprehensive income	50,485	12,426	62,911

(Continued)

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	Present value of the defined benefit obligation NT\$	Fair value of the plan assets NT\$	Net defined benefit liability (asset) NT\$
Contributions from the employer	\$-	\$(611,581 )	\$(611,581 )
Benefits paid from the pension fund	(192,928 )	192,928	-
Benefits paid from the Group	(43,088 )	-	(43,088 )
Exchange differences on foreign plans	(34,630 )	43,341	8,711
Balance at December 31, 2015	7,973,676	(3,973,729)	3,999,947
Service cost			
Current service cost	329,838	-	329,838
Net interest expense (income)	167,111	(109,080 )	58,031
Recognized in profit or loss	496,949	(109,080 )	387,869
Remeasurement			
Return on plan assets (excluding amounts included in net interest)	-	54,549	54,549
Actuarial loss arising from changes in financial assumptions	156,193	-	156,193
Actuarial loss arising from experience adjustments	200,723	-	200,723
Actuarial loss arising from changes in demographic assumptions	5,716	-	5,716
Recognized in other comprehensive income	362,632	54,549	417,181
Contributions from the employer	-	(807,232 )	(807,232 )
Benefits paid from the pension fund	(308,471 )	308,471	-
Benefits paid from the Group	(36,033 )	-	(36,033 )
Liabilities assumed in a business combination	535	(535 )	-
Exchange differences on foreign plans	(99,404 )	110,189	10,785
Balance at December 31, 2016 (Concluded)	\$8,389,884	\$(4,417,367)	\$3,972,517

	Present value of the defined benefit obligation US\$ (Note 4)	Fair value of the plan assets US\$ (Note 4)	Net defined benefit liability (asset) US\$ (Note 4)
Balance at January 1, 2016	\$246,101	\$(122,646)	\$123,455

(Continued)

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	Present value of the defined benefit obligation US\$ (Note 4)	Fair value of the plan assets US\$ (Note 4)	Net defined benefit liability (asset) US\$ (Note 4)
Service cost			
Current service cost	\$10,180	\$-	\$10,180
Net interest expense (income)	5,158	(3,367 )	1,791
Recognized in profit or loss	15,338	(3,367 )	11,971
Remeasurement			
Return on plan assets (excluding amounts included in net interest)	\$-	\$1,684	\$1,684
Actuarial loss arising from changes in financial assumptions	4,821	-	4,821
Actuarial loss arising from experience adjustments	6,195	-	6,195
Actuarial loss arising from changes in demographic assumptions	176	-	176
Recognized in other comprehensive income	11,192	1,684	12,876
Contributions from the employer	-	(24,914 )	(24,914 )
Benefits paid from the pension fund	(9,521 )	9,521	-
Benefits paid from the Group	(1,112 )	-	(1,112 )
Liabilities assumed in a business combination	17	(17 )	-
Exchange differences on foreign plans	(3,068 )	3,401	333
Balance at December 31, 2016 (Concluded)	\$258,947	\$(136,338)	\$122,609

5) The fair value of the plan assets by major categories at each balance sheet date was as follows:

	December 31		US\$
	2015	2016	(Note 4)
	NT\$	NT\$	
Cash	\$2,090,399	\$2,232,367	\$68,900
Debt instruments	823,496	1,030,384	31,802
Equity instruments	1,020,532	1,071,777	33,079
Others	39,302	82,839	2,557
Total	\$3,973,729	\$4,417,367	\$136,338

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6) Through the defined benefit plans under the Labor Standards Law, the Company and its subsidiaries in Taiwan are exposed to the following risks:

a) Investment risk

The plan assets are invested in equity and debt securities, bank deposits, etc. The investment is conducted at the discretion of the Bureau or under the mandated management. However, in accordance with relevant regulations, the return generated by plan assets should not be below the interest rate for a 2-year time deposit with local banks.

b) Interest risk

A decrease in the government bond interest rate will increase the present value of the defined benefit obligation; however, this will be partially offset by an increase in the return on the plan's debt investments.

c) Salary risk

The present value of the defined benefit obligation is calculated by reference to the future salaries of plan participants. As such, an increase in the salary of the plan participants will increase the present value of the defined benefit obligation.

7) The management of ASE Korea is responsible for the administration of the fund and determination of the investment strategies according to related local regulations. ASE Korea is responsible for the shortfall between the fund and the defined benefit obligation. The plan assets are invested in the certificates of deposits and debt instruments with well credit rating.

8) The present value of the defined benefit obligation and the related current service cost and past service cost were measured using the Projected Unit Credit Method. Except the pension plans for executive managers, the key assumptions used for the actuarial valuations were as follow:

	<b>December 31</b>	
	<b>2015</b>	<b>2016</b>
Discount rates	0.15%-3.48%	0.06%-3.58%
Expected rates of salary increase	2.00%-4.57%	2.00%-4.42%



Significant actuarial assumptions for the determination of the defined obligation excluding those for executive managers are discount rates and expected rates of salary increase. The sensitivity analysis below has been determined based on reasonably possible changes of the respective assumptions occurring at each balance sheet date, while holding all other assumptions constant.

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Discount Rate			
0.5% higher	\$(444,132)	\$(464,647)	\$(14,341)
0.5% lower	\$497,046	\$508,862	\$15,706
Expected rates of salary increase			
0.5% higher	\$476,378	\$500,051	\$15,434
0.5% lower	\$(426,130)	\$(452,956)	\$(13,980)

The sensitivity analysis presented above may not be representative of the actual change in the defined benefit obligation as it is unlikely that the change in assumptions would occur in isolation of one another as some of the assumptions may be correlated.

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## 9) Maturity analysis of undiscounted pension benefit

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
No later than 1 year	\$247,030	\$292,100	\$9,015
Later than 1 year and not later than 5 years	1,616,804	1,673,549	51,653
Later than 5 years	17,674,518	17,129,585	528,691
	\$19,538,352	\$19,095,234	\$589,359

The Group expected to make contributions of NT\$705,384 thousand and NT\$521,324 thousand (US\$16,090 thousand) to the defined benefit plans excluding those for executive managers in the next year starting from January 1, 2016 and 2017, respectively.

As of December 31, 2015 and 2016, the average duration of the defined benefit obligation excluding those for executive managers of the Group was 8 to 16 years and 8 to 15 years, respectively.

**22.****EQUITY**

## a.

## Share capital

Ordinary shares

	<b>December 31, 2015</b>	<b>December 31, 2016</b>
Numbers of shares authorized (in thousands)	10,000,000	10,000,000
Numbers of shares reserved (in thousands)		
Employee share options	800,000	800,000
Numbers of shares registered (in thousands)	7,902,929	7,936,473
Numbers of shares subscribed in advance (in thousands)	7,499	9,711

Number of shares issued and fully paid (in thousands)      7,910,428      7,946,184

	<b>December 31, December 31,</b>		
	<b>2015</b>	<b>2016</b>	
	NT\$	NT\$	US\$ (Note 4)
Share capital authorized	\$ 100,000,000	\$ 100,000,000	\$ 3,086,420
Share capital reserved			
Employee share options	\$ 8,000,000	\$ 8,000,000	\$ 246,914
Share capital registered	\$ 79,029,290	\$ 79,364,735	\$ 2,449,529
Share capital subscribed in advance	156,370	203,305	6,275
Share capital issued	\$ 79,185,660	\$ 79,568,040	\$ 2,455,804

The holders of issued ordinary shares with a par value at \$10 per share are entitled the right to vote and receive dividends, except the shares held by the Group's subsidiaries which are not entitled the right to vote. As of December 31, 2015 and 2016, there were 500,000 thousand ordinary shares included in the authorized shares that were not yet required to complete the share registration process.

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In December 2016, the board of directors approved the issuance of 300,000 thousand ordinary shares for cash capital increase at NT\$34.3 (US\$1.06) per share. As of the date the consolidated financial statements were authorized for issue by the management, the aforementioned cash capital increase and the registration formalities has completed.

American Depositary Receipts

The Company issued ADSs and each ADS represents five ordinary shares. As of December 31, 2015 and 2016, 115,240 thousand and 125,518 thousand ADSs were outstanding and represented approximately 576,198 thousand and 627,590 thousand ordinary shares of the Company, respectively.

b.	Capital surplus		
	December 31 2015 NT\$	2016 NT\$	US\$ (Note 4)
May be used to offset a deficit, distributed as cash dividends, or transferred to share capital (1)			
Issuance of ordinary shares	\$5,479,616	\$5,844,397	\$ 180,383
The difference between consideration received and the carrying amount of the subsidiaries' net assets during actual disposal or acquisition (Note 28)	7,197,510	7,176,958	221,511
May be used to offset a deficit only			
Changes in percentage of ownership interest in subsidiaries (2)	8,491,435	6,134,228	189,328
Treasury share transactions	717,355	950,368	29,332
Exercised employee share options	544,112	630,411	19,457
Expired employee share options	3,626	3,626	112
Share of changes in capital surplus of associates	30,284	82,243	2,538
May not be used for any purpose			
Employee share options	1,080,590	1,230,247	37,971
Equity component of convertible bonds	214,022	214,022	6,606

\$23,758,550 \$22,266,500 \$687,238

Such capital surplus may be used to offset a deficit; in addition, when the Company has no deficit, such capital  
1) surplus may be distributed as cash dividends or transferred to share capital (limited to a certain percentage of the  
Company's capital surplus and once a year).

Such capital surplus arises from the effect of changes in ownership interest in a subsidiary resulted from equity  
2) transactions other than actual disposal or acquisition, or from changes in capital surplus of subsidiaries accounted  
for using the equity method.

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c. Retained earnings and dividend policy

In accordance with the amendments to the Company Act of the ROC in May 2015, the recipients of dividends and bonuses are limited to shareholders and do not include employees. The consequential amendments to the Company's Articles of Incorporation was resolved at the Company's 2016 annual shareholders' meeting. For information about the accrual basis of the employees' compensation and remuneration to directors and the actual appropriations, please refer to employee benefits expense under profit before income tax in Note 23(f).

The amended Articles of Incorporation of ASE Inc. (the "Articles") in June 2016 provides that annual net income shall be distributed in the following order:

- 1) Replenishment of deficits;
- 2) 10.0% as legal reserve;
- 3) Special reserve appropriated or reversed in accordance with laws or regulations set forth by the authorities concerned;
- 4) Addition or deduction of realized gains or losses on equity instruments at fair value through other comprehensive income;

The Company is currently in the mature growth stage. To meet the capital needs for business development now and in the future and satisfy the shareholders' demand for cash inflows, the Company shall use residual dividend policy to distribute dividends, of which the cash dividend is not lower than 30% of the total dividend distribution, with the remainder to be distributed in stock. A distribution plan is also to be made by the board of directors and passed for resolution in the shareholders' meeting.

Appropriation of earnings to legal reserve shall be made until the legal reserve equals the Company's share capital. Legal reserve may be used to offset deficits. If the Company has no deficit and the legal reserve has exceeded 25% of the Company's share capital, the excess may be transferred to capital or distributed in cash.

Under Rule No. 1010012865 and Rule No. 1010047490 issued by the FSC and the directive titled "Questions and Answers for Special Reserves Appropriated Following Adoption of IFRSs", the Company should appropriate to or reverse a special reserve.

Expect for non-ROC resident shareholders, all shareholders receiving the dividends are allowed a tax credit equal to their proportionate share of the income tax paid by the Company.

The appropriations of earnings for 2014 and 2015 resolved at the Company's annual shareholders' meetings in June 2015 and June 2016, respectively, were as follows:

	Appropriation of Earnings		Dividends Per Share	
	For Year 2014	For Year 2015	For Year 2014	For Year 2015
	NT\$	NT\$	NT\$ (in dollars)	NT\$ (in dollars)
Legal reserve	\$2,359,267	\$1,947,887		
Cash dividends	15,589,825	12,476,779	\$2.00	\$ 1.60
	\$17,949,092	\$14,424,666		

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## d. Other equity

## 1) Exchange differences on translating foreign operations

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Balance at January 1	\$(525,521 )	\$4,540,862	\$4,492,671	\$138,663
Exchange differences arising on translating foreign operations	5,064,616	11,459	(5,843,856)	(180,366)
Share of exchange difference of associates and joint venture accounted for using the equity method	1,767	(59,650 )	(292,438 )	(9,026 )
Balance at December 31	\$4,540,862	\$4,492,671	\$(1,643,623)	\$(50,729 )

## 2) Unrealized gain (loss) on available-for-sale financial assets

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Balance at January 1	\$426,246	\$526,778	\$588,119	\$18,153
Unrealized loss arising on revaluation of available-for-sale financial assets	(142,418)	(4,304 )	(257,240)	(7,940 )
Cumulative loss reclassified to profit or loss on disposal of available-for-sale financial assets	9,561	10,827	7,512	232
Share of unrealized gain (loss) on available-for-sale financial assets of associates and joint venture accounted for using the equity method	233,389	54,818	(579,241)	(17,879)
Balance at December 31	\$526,778	\$588,119	\$(240,850)	\$(7,434 )

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## 3) Cash flow hedges - for the year ended December 31, 2014 only

	NT\$
Balance at January 1	\$(3,279)
Gain arising on changes in the fair value of hedging instruments - Interest rate swap contracts	795
Cumulative loss arising on changes in fair value of hedging instruments reclassified to profit or loss – Interest rate swap contracts	2,484
Balance at December 31	\$-

## e. Treasury shares (in thousand shares)

	Balance at January 1	Addition	Decrease	Balance at December 31
2014				
Shares held by subsidiaries	145,883	-	-	145,883
2015				
Shares held by subsidiaries	145,883	-	-	145,883
Shares reserved for bonds conversion	-	120,000	-	120,000
	145,883	120,000	-	265,883
2016				
Shares held by subsidiaries	145,883	-	-	145,883
Shares reserved for bonds conversion	120,000	-	-	120,000
	265,883	-	-	265,883

In February 2015, the board of directors approved to repurchase up to 120,000 thousand of the Company's ordinary shares which were reserved for equity conversion of convertible overseas bonds. The Company has completed the repurchase during March 2015 and the shares repurchased accounted for 1.53% of the Company's total issued shares. The average repurchase price was NT\$44.45 per share.

The Company's shares held by its subsidiaries at each balance sheet date were as follows:

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	<b>Shares</b>		Fair Value	Fair Value
	<b>Held By Subsidiaries</b>	Carrying amount		
(in thousand shares)	NT\$	US\$	NT\$	US\$
		(Note 4)		(Note 4)
December 31, 2015				
ASE Test	88,200	\$ 1,380,721	\$3,351,618	
J&R Holding	46,704	381,709	1,774,743	
ASE Test, Inc.	10,979	196,677	417,193	
	145,883	\$ 1,959,107	\$5,543,554	
December 31, 2016				
ASE Test	88,200	\$ 1,380,721	\$42,615	\$2,915,026
J&R Holding	46,704	381,709	11,781	1,543,559
ASE Test, Inc.	10,979	196,677	6,070	362,849
	145,883	\$ 1,959,107	\$60,466	\$4,821,434
				\$148,810

Fair values of the Company's shares held by subsidiaries are based on the closing price from an available published price quotation, which is a Level 1 input in terms of IFRS 13, at the balance sheet dates.

The Company issued ordinary shares in connection with its merger with its subsidiaries. The shares held by its subsidiaries were reclassified from investments accounted for using the equity method to treasury shares on the proportion owned by the Company.

Under the Securities and Exchange Act of the ROC, the Company shall neither pledge treasury shares nor exercise shareholders' rights on these shares, such as rights to dividends and voting. The subsidiaries holding treasury shares, however, retain shareholders' rights except the rights to participate in any share issuance for cash and voting.

## f. Non-controlling interests

For the Years Ended December 31			
2014	2015	2016	
NT\$	NT\$	NT\$	US\$ (Note 4)

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Balance at January 1	\$4,128,361	\$8,209,860	\$11,492,545	\$354,708
Attributable to non-controlling interests:				
Share of profit for the year	640,499	968,567	1,272,691	39,280
Exchange difference on translating foreign operations	340,392	(74,968 )	(601,787 )	(18,574 )
Unrealized gain (loss) on available-for-sale financial assets	(857 )	3,928	1,129	35
Defined benefit plan actuarial gains (losses)	(857 )	(3,440 )	8,846	273
(Continued)				

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	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Cash capital increase of subsidiary (Note 28)	\$3,067,712	\$-	\$7,021	\$217
Additional non-controlling interests arising from partial disposal of subsidiaries (Note 28)	-	1,712,836	26,436	816
Repurchase of outstanding ordinary shares of subsidiaries (Note 28)	-	-	(912,886 )	(28,175 )
Spin-off of subsidiaries	-	3,006	-	-
Non-controlling interest relating to outstanding vested share options held by the employees of subsidiaries	120,376	904,904	927,823	28,636
Cash dividends to non-controlling interests	(85,766 )	(232,148 )	(237,850 )	(7,341 )
Balance at December 31 (Concluded)	\$8,209,860	\$11,492,545	\$11,983,968	\$369,875

**23. PROFIT BEFORE INCOME TAX**

## a. Other operating income and expenses, net

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Rental income	\$59,624	\$60,230	\$51,607	\$1,593
Loss on disposal of property, plant and equipment and other assets	(45,509 )	(127,111)	(127,159)	(3,925 )
Impairment loss on property, plant and equipment	(297,754)	(258,129)	(888,231)	(27,415)
Loss on damages and claims	(102,101)	(116,445)	(12,778 )	(394 )
Others	614,355	189,926	176,281	5,441
	\$228,615	\$(251,529)	\$(800,280)	\$(24,700)

## b. Other income

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Government subsidy	\$184,525	\$176,721	\$332,758	\$10,270

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Interest income	243,474	242,084	230,067	7,101
Dividends income	101,252	396,973	26,411	815
	\$529,251	\$815,778	\$589,236	\$18,186

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## c. Other gains and losses

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Net gain arising on financial instruments held for trading	\$1,266,653	\$1,657,093	\$224,446	\$6,927
Net gain on financial assets designated as at FVTPL	572,187	815,742	223,113	6,886
Foreign exchange gain or loss, net	(1,221,979)	(713,213 )	1,928,384	59,518
Impairment loss on financial assets (Note 32)	(10,390 )	-	(91,886 )	(2,836 )
Others	828	(10,827 )	(7,513 )	(231 )
	\$607,299	\$1,748,795	\$2,276,544	\$70,264

## d. Finance costs

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Total interest expense for financial liabilities measured at amortized cost	\$2,548,850	\$2,514,208	\$2,510,197	\$77,475
Less: Amounts included in the cost of qualifying assets				
Inventories related to real estate business	(100,705 )	(197,287 )	(238,469 )	(7,360 )
Property, plant and equipment	(126,203 )	(48,135 )	(54,191 )	(1,673 )
	2,321,942	2,268,786	2,217,537	68,442
Loss arising on derivatives as designated hedging instruments in cash flow hedge	2,484	-	-	-
accounting relationship reclassified from equity to profit or loss				
Other finance costs	29,671	43,357	43,538	1,344
	\$2,354,097	\$2,312,143	\$2,261,075	\$69,786

Information relating to the capitalized borrowing costs was as follows:

**For the Years Ended December 31**  
**2014                      2015                      2016**

Annual interest capitalization rates

Inventories related to real estate business 6.00%-7.21% 4.35%-6.77% 4.35%-6.00%

Property, plant and equipment 0.88%-6.15% 0.75%-6.15% 1.15%-4.42%

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e.	Depreciation and amortization			
	For the Years Ended December 31			
	2014	2015	2016	
	NT\$	NT\$	NT\$	US\$ (Note 4)
Property, plant and equipment	\$25,805,042	\$28,938,770	\$28,961,614	\$893,877
Intangible assets	545,734	579,894	460,690	14,219
Total	\$26,350,776	\$29,518,664	\$29,422,304	\$908,096
Summary of depreciation by function				
Operating costs	\$24,050,546	\$27,023,957	\$26,948,106	\$831,732
Operating expenses	1,754,496	1,914,813	2,013,508	62,145
	\$25,805,042	\$28,938,770	\$28,961,614	\$893,877
Summary of amortization by function				
Operating costs	\$180,719	\$124,235	\$145,953	\$4,505
Operating expenses	365,015	455,659	314,737	9,714
	\$545,734	\$579,894	\$460,690	\$14,219
f.	Employee benefits expense			
	For the Years Ended December 31			
	2014	2015	2016	
	NT\$	NT\$	NT\$	US\$ (Note 4)
Post-employment benefits (Note 21)				
Defined contribution plans	\$1,926,683	\$2,324,737	\$2,356,416	\$72,729
Defined benefit plans	445,795	413,490	394,741	12,183
	2,372,478	2,738,227	2,751,157	84,912
Equity-settled share-based payments	110,157	133,496	470,788	14,530
Salary, incentives and bonus	40,475,594	41,985,329	43,491,243	1,342,322
Other employee benefits	5,646,896	5,898,135	6,034,697	186,256
	\$48,605,125	\$50,755,187	\$52,747,885	\$1,628,020
Summary of employee benefits expense by function				
Operating costs	\$33,243,224	\$34,720,359	\$35,588,529	\$1,098,411
Operating expenses	15,361,901	16,034,828	17,159,356	529,610
	\$48,605,125	\$50,755,187	\$52,747,885	\$1,628,021

For the year ended December 31, 2014, the bonus to employees and the remuneration to directors and supervisors were stipulated by the former Articles of Incorporation at the rates in 7%-11% and no higher than 1% from net income (net of the bonus and remuneration), respectively. To be in compliance with the Company Act as amended in May 2015, the amended Articles of Incorporation of the Company, which has been approved in the shareholders' meeting in June 2016, the employees' compensation and remuneration to directors is accrued at the rates in 5.25%-8.25% and no higher than 0.75%, respectively, of net profit before income tax, employees' compensation and remuneration to directors. A portion of other employee benefits for the years ended December 31, 2014 and 2015 has been reclassified to defined contribution plans to conform to the presentation of the year ended December 31, 2016.

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For the year ended December 31, 2014, the bonus to employees and the remuneration to directors and supervisors were accrued based on 11% and 1%, respectively, of the net income (net of the bonus and remuneration). For the years ended December 31, 2015 and 2016, the employees' compensation and the remuneration to directors were accrued based on 8.25% and 0.75% of net profit before income tax, employees' compensation and remuneration to directors, respectively. The information was as follows.

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Bonus to employees	\$2,335,786			
Remuneration to directors and supervisors	212,344			
Employees' compensation		\$2,033,500	\$2,147,323	\$66,275
Remuneration to directors		184,500	195,211	6,025

If there is a change in the proposed amounts after the consolidated financial statements authorized for issue, the differences are recorded as a change in accounting estimate.

On March 30, 2017, the Company's board of directors approved the employees' compensation and remuneration to directors in the amounts of NT\$2,151,900 thousand (US\$66,417 thousand) and NT\$148,000 thousand (US\$4,568 thousand) in cash, respectively. The difference between the actual amounts of employees' compensation and remuneration to directors paid and the amounts recognized in the consolidated financial statements for the year ended December 31, 2016 was NT\$ 42,634 thousand (US\$1,315 thousand) which was not material to the consolidated financial statements as of and for the year ended December 31, 2016 and was charged against profit and loss in March 2017.

The appropriations of bonus to employees and remuneration to directors and supervisors for 2014 were approved in the shareholders' meeting in June 2015, and the appropriations of employees' compensation and remuneration to directors for 2015 were resolved by the board of directors in April 2016. The amounts of the bonus to employees/employees' compensation and the remuneration to directors and supervisors are disclosed in the table below. After the amendments to the Articles had been resolved in the shareholders' meeting held in June 2016, the appropriations of the employees' compensation and remuneration to directors for 2015 were reported in the shareholders' meeting.

	For Year 2014 NT\$	For Year 2015 NT\$
Bonus to employees / employees' compensation	\$2,335,600	\$2,033,800
Remuneration to directors and supervisors / directors	211,200	140,000

The differences between the bonus to employees and remuneration to directors and supervisors and the accrued amounts reflected in the consolidated financial statements for the years ended December 31, 2014 and the resolved amounts of the employees' compensation and the remuneration to directors and the accrued amounts reflected in the consolidated financial statements for the years ended December 31, 2015 were deemed changes in estimates. The difference was NT\$1,330 thousand and NT\$44,200 thousand (US\$1,364 thousand) and had been adjusted in earnings for the years ended December 31, 2015 and 2016, respectively.

**24.**

**INCOME TAX**

- a. Income tax recognized in profit or loss

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The major components of income tax expense were as follows:

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Current income tax				
In respect of the current year	\$3,524,456	\$4,029,076	\$4,177,900	\$128,948
Income tax on unappropriated earnings	1,281,877	187,654	829,345	25,597
Changes in estimate for prior years	72,380	(20,719 )	28,160	869
	4,878,713	4,196,011	5,035,405	155,414
Deferred income tax				
In respect of the current year	714,850	190,829	574,541	17,732
Adjustments attributable to changes in tax rates	-	3,794	14,184	438
Effect of foreign currency exchange differences	75,305	(58,671 )	(26,498 )	(818 )
Changes in estimate for prior years	(2,914 )	(20,890 )	(206,788 )	(6,382 )
	787,241	115,062	355,439	10,970
Income tax expense recognized in profit or loss	\$5,665,954	\$4,311,073	\$5,390,844	\$166,384

A reconciliation of income tax expense calculated at the statutory rates and income tax expense recognized in profit or loss was as follows:

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Profit before income tax	\$28,535,055	\$25,011,788	\$28,025,141	\$864,974
Income tax expense calculated at the statutory rates	\$5,101,984	\$6,307,148	\$8,643,781	\$266,783
Nontaxable expense (income) in determining taxable income	128,644	160,530	(44,548 )	(1,375 )
Tax-exempt income	(623,652 )	(537,987 )	(700,274 )	(21,613 )
Additional income tax on unappropriated earnings	1,887,845	338,142	829,345	25,597
Loss carry-forward and income tax credits currently used	(1,329,753 )	(1,286,705 )	(898,700 )	(27,738 )
Remeasurement of deferred income tax assets, net	386,833	(688,584 )	(2,797,673 )	(86,348 )
Changes in estimate for prior years	72,380	(20,719 )	28,160	869
Withholding tax	48,310	39,248	81,543	2,517
Land value increment tax	(6,637 )	-	249,210	7,692
Income tax expense recognized in profit or loss	\$5,665,954	\$4,311,073	\$5,390,844	\$166,384

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For the years ended December 31, 2014, 2015 and 2016, the Group applied a tax rate of 17% for resident entities subject to the Income Tax Law of the ROC; for the subsidiaries located in China, the applied tax rate was 25%; and for other jurisdictions, the Group measures taxes by using the applicable tax rate for each individual jurisdiction.

b. Income tax recognized directly in equity

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Deferred income tax				
Related to employee share options	\$4,481	\$(33)	\$(204)	\$ (6 )

c. Income tax recognized in other comprehensive income

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Deferred income tax				
Related to remeasurement of defined benefit plans	\$23,885	\$11,002	\$73,637	\$2,273

d. Current tax assets and liabilities

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Current tax assets			
Tax refund receivable	\$10,984	\$260,559	\$8,042
Prepaid income tax	157,733	211,193	6,518
	\$168,717	\$471,752	\$14,560
Current tax liabilities			
Income tax payable	\$6,746,022	\$6,846,350	\$211,307

## e. Deferred tax assets and liabilities

The Group offset certain deferred tax assets and deferred tax liabilities which met the offset criteria.

The movements of deferred tax assets and deferred tax liabilities were as follows:

	Balance at January 1	Recognized in Profit or Loss	Recognized in Other Comprehensiv Income	Recognized in Equity	Exchange Differences	Acquisitions through business combinations	Balance at December 31
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Year ended December 31, 2014							
Temporary differences							
Property, plant and equipment	\$(1,684,616)	\$(804,082)	\$ -	\$ -	\$ 56,843	\$ -	\$(2,431,855)
Defined benefit obligation	854,540	(59,807 )	23,885	-	(21,976 )	-	796,642
FVTPL financial instruments	(12,329 )	(170,722)	-	-	12,992	-	(170,059 )
Others	767,744	372,563	-	4,481	21,509	-	1,166,297
	(74,661 )	(662,048)	23,885	4,481	69,368	-	(638,975 )
(Continued)							

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	Balance at January 1	Recognized in Profit or Loss	Recognized in Other Comprehensive Income	Recognized in Equity	Exchange Differences	Acquisitions through business combinations	Balance at December 31
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Loss carry-forward	\$270,031	\$246,334	\$ -	\$ -	\$3,533	\$ -	\$519,898
Investment credits	825,565	(370,674 )	-	-	(2,560 )	-	452,331
Others	-	(853 )	-	-	-	-	(853 )
	\$1,020,935	\$(787,241 )	\$ 23,885	\$ 4,481	\$70,341	\$ -	\$332,401

Year ended December  
31, 2015

Temporary differences							
Property, plant and equipment	\$(2,431,855)	\$(1,083,273)	\$ -	\$ -	\$10,670	\$ -	\$(3,504,458)
Defined benefit obligation	796,642	20,398	11,002	-	17,897	-	845,939
FVTPL financial instruments	(170,059 )	(62,152 )	-	-	13	-	(232,198 )
Others	1,166,297	229,799	-	(33 )	(11,076 )	-	1,384,987
	(638,975 )	(895,228 )	11,002	(33 )	17,504	-	(1,505,730)
Loss carry-forward	519,898	812,217	-	-	(8,538 )	-	1,323,577
Investment credits	452,331	(32,904 )	-	-	(68,308 )	-	351,119
Others	(853 )	853	-	-	-	-	-
	\$332,401	\$(115,062 )	\$ 11,002	\$(33 )	\$(59,342 )	\$ -	\$168,966

Year ended December  
31, 2016

Temporary differences							
Property, plant and equipment	\$(3,504,458)	\$(182,291 )	\$ -	\$ -	\$(72,098 )	\$ -	\$(3,758,847)
Defined benefit obligation	845,939	(48,601 )	73,637	-	2,509	-	873,484
FVTPL financial instruments	(232,198 )	212,737	-	-	(1,902 )	-	(21,363 )
Others	1,384,987	(283,179 )	-	(204 )	(21,780 )	-	1,079,824
	(1,505,730)	(301,334 )	73,637	(204 )	(93,271 )	-	(1,826,902)
Loss carry-forward	1,323,577	(110,967 )	-	-	(91,008 )	2,939	1,124,541
Investment credits	351,119	56,862	-	-	(25,245 )	-	382,736
	\$168,966	\$(355,439 )	\$ 73,637	\$(204 )	\$(209,524 )	\$ 2,939	\$(319,625 )

Balance at January 1	Recognized in Profit or Loss	Recognized in Other Comprehensive Income	Recognized in Equity	Exchange Differences	Acquisitions through business combinations	Balance at December
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	Loss	Comprehensive			business	31	
	US\$ (Note	US\$ (Note	Income	US\$	US\$ (Note	business	
	4)	4)	US\$ (Note 4)	(Note 4)	4)	combinations	
						US\$ (Note	
						4)	
						US\$ (Note	
						4)	
Year ended December 31, 2016							
Temporary differences							
Property, plant and equipment	\$(108,162)	\$(5,626 )	\$ -	\$ -	\$(2,225 )	\$ -	\$(116,013)
Defined benefit obligation	26,109	(1,500 )	2,273	-	77	-	26,959
FVTPL financial instruments	(7,167 )	6,566	-	-	(59 )	-	(660 )
Others	42,747	(8,740 )	-	(6 )	(672 )	-	33,329
	(46,473 )	(9,300 )	2,273	(6 )	(2,879 )	-	(56,385 )
Loss carry-forward	40,851	(3,425 )	-	-	(2,809 )	91	34,708
Investment credits	10,837	1,755	-	-	(779 )	-	11,813
	\$5,215	\$(10,970 )	\$ 2,273	\$ (6 )	\$(6,467 )	\$ 91	\$(9,864 )

f. Items for which no deferred tax assets have been recognized

Unrecognized deferred tax assets related to loss carry-forward, investment credits and deductible temporary differences were summarized as follows:

	December 31		
	2015	2016	
	NT\$	NT\$	US\$
			(Note 4)
Loss carry-forward	\$666,373	\$652,593	\$20,142
Investment credits	387,480	280,068	8,644
Deductible temporary differences	1,007,105	904,441	27,915
	\$2,060,958	\$1,837,102	\$56,701

The unrecognized loss carry-forward will expire through 2030 and the unrecognized investment credits will expire through 2018.

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- g. Information about unused loss carry-forward, unused investment credits, tax-exemption and other tax relief

As of December 31, 2016, the unused loss carry-forward comprised of:

Year of Expiry	NT\$	US\$ (Note 4)
2017	\$241,278	\$7,447
2018	255,577	7,888
2019	291,521	8,998
2020	766,478	23,657
2021 and thereafter	222,279	6,860
	\$1,777,133	\$54,850

As of December 31, 2016, unused investment credits comprised of:

Tax Credit Source	Remaining Creditable Amount		Expiry Year
	NT\$	US\$ (Note 4)	
Purchase of machinery and equipment	\$647,923	\$19,998	2018
Others	14,881	459	2017
	\$662,804	\$20,457	

As of December 31, 2016, profits attributable to the following expansion projects were exempted from income tax for a 5-year period:

	<b>Tax-exemption Period</b>
Construction and expansion of 2004 by the Company	2012.01-2016.12
Construction and expansion of 2005 by the Company	2012.01-2016.12
Construction and expansion of 2007 by the Company	2016.01-2020.12
Construction and expansion of 2008 by the Company	2014.01-2018.12
Construction and expansion of 2008 by ASE Test Inc.	2014.01-2018.12
Construction and expansion of 2009 by ASE Test Inc.	2018.01-2022.12
Construction of 2005 by ASE Electronics Inc.	2012.01-2016.12

Some China subsidiaries qualified as high technology enterprises were entitled to a reduced income tax rate of 15% and were eligible to deduct certain times of research and development expenses from their taxable income.

h. Unrecognized deferred tax liabilities associated with investments

As of December 31, 2015 and 2016, the taxable temporary differences associated with the investments in subsidiaries for which no deferred tax liabilities have been recognized were NT\$12,676,347 thousand and NT\$14,417,873 thousand (US\$444,996 thousand), respectively.

i. Integrated income tax

As of December 31, 2015 and 2016, unappropriated earnings were all generated on and after January 1, 1998. As of December 31, 2015 and 2016, the balance of the Imputation Credit Account was NT\$1,913,243 thousand and NT\$3,328,374 thousand (US\$102,728 thousand), respectively.

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The creditable ratio for the distribution of earnings of 2015 and 2016 was 9.65% (actual) and 9.31% (estimated), respectively.

j. Income tax assessments

Income tax returns of ASE Inc. and its ROC subsidiaries have been examined by authorities through 2012 and through 2013 to 2014, respectively. ASE Inc. and some of its ROC subsidiaries disagreed with the result of examinations relating to its income tax returns for 2004 through 2008 and 2010 through 2012 and appealed to the tax authorities. A settlement was reached in the second quarter of 2015. The related income tax expenses in the years resulting from the examinations have been accrued in respective tax years or in the year of the settlement.

**25. EARNINGS PER SHARE**

The earnings and weighted average number of ordinary shares outstanding in the computation of earnings per share were as follows:

Net profit for the year

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Profit for the year attributable to owners of the Company	\$22,228,602	\$19,732,148	\$21,361,606	\$659,309
Effect of potentially dilutive ordinary shares:				
Diluted impact from subsidiaries and investments in associates	(260,925 )	(210,126 )	(868,747 )	(26,813 )
Convertible bonds	931,344	901,187	(1,165,506 )	(35,973 )
Earnings used in the computation of diluted earnings per share	\$22,899,021	\$20,423,209	\$19,327,353	\$596,523

Weighted average number of ordinary shares outstanding (in thousand shares):

For the Years Ended December 31		
2014	2015	2016

Weighted average number of ordinary shares in computation of basic earnings per share	7,687,930	7,652,773	7,662,870
Effect of potentially dilutive ordinary shares:			
Convertible bonds	375,271	455,671	515,295
Employee share options	101,850	86,994	59,218
Bonus to employees or employees' compensation	55,643	54,626	46,746
Weighted average number of ordinary shares in computation of diluted earnings per share	8,220,694	8,250,064	8,284,129

For purposes of the ADS calculation, the denominator represents the above-mentioned weighted average outstanding shares divided by five (one ADS represents five ordinary shares). The numerator was the same.

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The Group is able to settle the bonus to employees and employees' compensation by cash or shares. The Group assumed that the entire amount of the compensation would be settled in shares and the resulting potential shares were included in the weighted average number of ordinary shares outstanding used in the computation of diluted earnings per share if the effect is dilutive. Such dilutive effect of the potential shares was included in the computation of diluted earnings per share until the shareholders approve the number of shares to be distributed to employees at their meeting in the following year.

## 26. SHARE-BASED PAYMENT ARRANGEMENTS

### Employee share option plans of the Company and its subsidiaries

In order to attract, retain and reward employees, ASE Inc. had five employee share option plans for full-time employees of the Group, including 100,000 thousand share options approved to be granted in April 2015. Each share option represents the right to purchase one ordinary share of ASE Inc. when exercised. Under the terms of the plans, share options are granted at an exercise price equal to or not less than the closing price of the ordinary shares listed on the TSE at the grant date. The option rights of these plans are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date. For any subsequent changes in the Company's capital structure, the exercise price is accordingly adjusted.

#### a. ASE Inc. Option Plans

Information about share options was as follows:

	For the Years Ended December 31					
	2014		2015		2016	
	Number of Options (In Thousands)	Weighted Average Exercise Price (NT\$)	Number of Options (In Thousands)	Weighted Average Exercise Price (NT\$)	Number of Options (In Thousands)	Weighted Average Exercise Price (NT\$)
Balance at January 1	285,480	\$ 20.5	209,745	\$ 20.7	252,607	\$ 26.6
Options granted	-	-	94,270	36.5	-	-
Options forfeited	(1,515 )	20.5	(1,975 )	30.3	(6,056 )	34.6
Options expired	(322 )	13.5	(730 )	11.1	-	-
Options exercised	(73,898 )	19.7	(48,703 )	20.6	(35,756 )	20.9

Balance at December 31	209,745	20.7	252,607	26.6	210,795	27.3
Options exercisable, end of year	189,240	20.7	158,103	20.8	123,007	20.8
Weighted-average fair value of options granted (NT\$)	\$-		\$0.18~7.39		\$-	

The weighted average share price at exercise dates of share options for the years ended December 31, 2014, 2015 and 2016 was NT\$35.1, NT\$38.8 and NT\$36.2 (US\$1.12) , respectively.

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Information about the Company's outstanding share options at each balance sheet date was as follows:

	<b>Range of Exercise Price Per Share</b>	<b>Weighted Average Remaining</b>
	<b>(NT\$)</b>	<b>Contractual Life (Years)</b>
December 31, 2015	\$J0.4-22.6 36.5	3.5 9.7
December 31, 2016	J0.4-22.6 36.5	2.5 8.7

b. ASE Mauritius Inc. Option Plan

ASE Mauritius Inc. has an employee share option plan for full-time employees of the Group which granted 30,000 thousand units in December 2007. Under the terms of the plan, each unit represents the right to purchase one ordinary share of ASE Mauritius Inc. when exercised. The option rights of the plan are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date.

Information about share options was as follows:

	For the Years Ended December 31					
	2014		2015		2016	
	Number of Options (In Thousand)	Exercise Price Per Share (US\$)	Number of Options (In Thousand)	Exercise Price Per Share (US\$)	Number of Options (In Thousand)	Exercise Price Per Share (US\$)
Balance at January 1	28,545	\$ 1.7	28,545	\$ 1.7	28,470	\$ 1.7
Options forfeited	-	-	(75 )	1.7	-	-
Balance at December 31	28,545	1.7	28,470	1.7	28,470	1.7
Options exercisable, end of year	28,545	1.7	28,470	1.7	28,470	1.7



As of December 31, 2015 and 2016, the share options were all vested and the remaining contractual life was 2 years and 1 year, respectively.

c. USIE Option Plans

The terms of the plans issued by USIE were the same with those of the Company's option plans.

Information about share options was as follows:

	For the Years Ended December 31					
	2014		2015		2016	
	Number of Options (In Thousand)	Weighted Average Exercise Price (US\$)	Number of Options (In Thousand)	Weighted Average Exercise Price (US\$)	Number of Options (In Thousand)	Weighted Average Exercise Price (US\$)
Balance at January 1	34,939	\$ 2.1	34,159	\$ 2.1	29,695	\$ 2.1
Options forfeited	-	-	(84 )	2.8	-	-
Options exercised	(780 )	1.5	(4,380 )	1.9	(3,762 )	2.0
(Continued)						

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	For the Years Ended December 31					
	2014		2015		2016	
	Number of Options (In Thousands)	Weighted Average Exercise Price (US\$)	Number of Options (In Thousands)	Weighted Average Exercise Price (US\$)	Number of Options (In Thousands)	Weighted Average Exercise Price (US\$)
Balance at December 31	34,159	2.1	29,695	2.1	25,933	2.2
Options exercisable, end of year	30,874	2.0	28,106	2.1	25,933	2.2

Information about USIE's outstanding share options at each balance sheet date was as follows:

	Range of Exercise Price Per Share (US\$)	Weighted Average Remaining Contractual Life (Years)
December 31, 2015	\$1.5	5.0
	J.4-2.9	4.9
December 31, 2016	1.5	4.0
	J.4-2.9	3.9

In 2015 and 2016, the Group's shareholdings of USIE decreased due to USIE's share options exercised. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USIE and, as a result, capital surplus was decreased by NT\$564,344 thousand and NT\$444,320 thousand (US\$13,714 thousand) in 2015 and 2016, respectively.

d. USISH Option Plans

In November 2015, the shareholders of USISH approved a share option plan for the employees of USISH. Each unit represents the right to purchase one ordinary share of USISH when exercised. The options are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date incorporated with certain performance conditions. For any subsequent changes in USISH's capital structure, the exercise price is accordingly adjusted.

Information about share options was as follows:

	For the Years Ended December 31			
	2015		2016	
	Number of Options (In Thousands)	Weighted Average Exercise Price Per Share (CNY)	Number of Options (In Thousands)	Weighted Average Exercise Price Per Share (CNY)
Balance at January 1	-	\$ -	26,627	\$ 15.5
Options granted	26,640	15.5	-	-
Options forfeited	(13 )	15.5	(1,630 )	15.5
Balance at December 31	26,627	15.5	24,997	15.5
Options exercisable, end of year	-	-	-	-
Weighted-average fair value of options granted (CNY)	\$5.95~7.14		\$-	

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As of December 31, 2015 and 2016, the remaining contractual life of the share options was 9.9 years and 8.9 years, respectively.

Fair value of share options

Share options granted by the Company and USISH in 2015 were measured using the Hull & White Model (2004) incorporated with Ritchken's Trinomial Tree Model (1995) and the Black-Scholes Option Pricing Model, respectively, and the inputs to the models were as follows:

	<b>ASE Inc.</b>	<b>USISH</b>
Share price at the grant date	NT\$36.5	CNY15.2
Exercise prices	NT\$36.5	CNY15.5
Expected volatility	27.02%	40.33%-45.00%
Expected lives	10 years	10 years
Expected dividend yield	4.00%	0.87%
Risk free interest rates	1.34%	3.06%-3.13%

Expected volatility was based on the historical share price volatility over the past 10 years of ASE Inc. and the comparable companies of USISH, respectively. Under the Hull & White Model (2004) incorporated with Ritchken's Trinomial Tree Model (1995), the Company assumed that employees would exercise the options after vesting date when the share price was 1.88 times the exercise price to allow for the effects of early exercise.

In December 2014 and 2015, USIE had modified the terms of its option plan granted in 2007 to extend the valid period from 11 years to 12 years and from 12 years to 13 years, respectively. The incremental fair value of NT\$10,378 thousand and NT\$13,721 thousand were all recognized as employee benefits expense in 2014 and 2015, respectively, since the options were all vested.

Employee benefits expense recognized on employee share options was NT\$110,157 thousand, NT\$133,496 thousand and NT\$470,788 thousand (US\$14,530 thousand) for the years ended December 31, 2014, 2015 and 2016, respectively.

**27.**

**BUSINESS COMBINATIONS**

a.

Subsidiary acquired

<b>Principal Activity</b>	<b>Date of Acquisition</b>	<b>Proportion of Voting Equity Interests Acquired</b>	<b>Cash Consideration NT\$</b>
TLJ Engaged in information software services	May 3, 2016	60%	\$ 89,998

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- b. Consideration transferred, preliminary fair value of assets acquired and liabilities assumed as well as net cash outflow on acquisition of subsidiaries at the acquisition dates were as follows:

	NT\$	US\$ (Note 4)
Current assets	\$16,645	\$514
Non-current assets	4,081	126
Current liabilities	(7,599 )	(234 )
	13,127	406
Non-controlling interests	(7,021 )	(217 )
Goodwill	83,892	2,589
Total consideration	89,998	2,778
Less: Cash and cash equivalent acquired	(16,561)	(511 )
	\$73,437	\$2,267

In May 2016, the Company's subsidiary, ASE Test, Inc., acquired 60% shareholdings of TLJ with a total consideration determined primarily based on independent professional appraisal reports. NT\$41,739 thousand (US\$1,288 thousand) out of the total consideration was paid to key management personnel and related parties. As of December 31, 2016, the Group has not completed the identification of the difference between the cost of the investment and the Group's share of the net fair value of TLJ's identifiable assets and liabilities and, as a result, the difference was recognized as goodwill provisionally.

## **28. EQUITY TRANSACTION WITH NON-CONTROLLING INTERESTS**

In November 2014, USISH completed its cash capital increase of CNY2,017,690 thousand and the Group's shareholdings of USISH decreased from 88.6% to 82.1% since the Group did not subscribe for additional new shares.

In April 2015, the Group's subsidiary, USIE, sold its shareholdings of 54,000 thousand ordinary shares of USISH amounting to CNY1,992,060 thousand and, as a result, the Group's shareholdings of USISH decreased from 82.1% to 77.2%. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USISH and, as a result, capital surplus was increased by NT\$7,197,510 thousand in the second quarter of 2015.

In February 2016, USIE repurchased its own 4,501 thousand outstanding ordinary shares and, as a result, the Group's shareholdings of USIE increased from 96.7% to 98.8%. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USIE and capital surplus was decreased by NT\$1,912,887 thousand in the first quarter of 2016.

In February 2016, the Company disposed 39,603 thousand shares in USI to the Company's subsidiary, UGTW, at NT\$20 per share with a total consideration of NT\$792,064 thousand (US\$24,446 thousand) and, as a result, the Group's shareholdings of USI decreased from 99.0% to 76.5%. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USI and capital surplus was decreased by NT\$20,552 thousand (US\$634 thousand).

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For the years ended December 31, 2014, 2015 and 2016, the Group entered into the following non-cash investing activities which were not reflected in the consolidated statements of cash flows:

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Payments for property, plant and equipment				
Purchase of property, plant and equipment	\$43,448,587	\$28,280,821	\$27,680,862	\$854,348
Decrease in prepayments for property, plant and equipment (recorded under the line item of other non-current assets)	(34,894 )	(267,334 )	(89,337 )	(2,757 )
(Increase) decrease in payables for property, plant and equipment	(3,688,526 )	2,314,772	(823,171 )	(25,407 )
Capitalized borrowing costs	(126,203 )	(48,135 )	(54,191 )	(1,673 )
	\$39,598,964	\$30,280,124	\$26,714,163	\$824,511
Proceeds from disposal of property, plant and equipment				
Consideration from disposal of property, plant and equipment	\$462,438	\$201,766	\$692,826	\$21,383
(Increase) decrease in other receivables	(41,231 )	41,265	(22,626 )	(698 )
	\$421,207	\$243,031	\$670,200	\$20,685
Payments for other intangible assets				
Purchase for other intangible assets	\$396,466	\$491,135	\$675,144	\$20,838
Increase in other payables	-	-	(120,938 )	(3,733 )
Increase in other liabilities	-	-	(40,313 )	(1,244 )
	\$396,466	\$491,135	\$513,893	\$15,861

**30. OPERATING LEASE ARRANGEMENTS**

Except those discussed in Note 17, the Company and its subsidiary, ASE Test, Inc., lease the land on which their buildings are located under various operating lease agreements with the ROC government expiring through June 2035. The agreements grant these entities the option to renew the leases and reserve the right for the lessor to adjust the lease payments upon an increase in the assessed value of the land and to terminate the leases under certain conditions. In addition, the Group leases buildings, machinery and equipment under operating leases.



The subsidiaries' offices located in U.S.A. and Japan, etc. are leased from other parties and the lease terms will expire through 2017 to 2023 with the option to renew the leases upon expiration.

The Group recognized rental expense of NT\$1,459,835 thousand, NT\$1,390,821 thousand and NT\$ 1,411,533 thousand (US\$43,566 thousand) for the years ended December 31, 2014, 2015 and 2016, respectively.

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Table of Contents**31. CAPITAL MANAGEMENT**

The capital structure of the Group consists of debt and equity. The Group manages its capital to ensure that entities in the Group will be able to continue as going concerns while maximizing the return to shareholders through the optimization of the debt and equity balance. Key management personnel of the Group periodically reviews the cost of capital and the risks associated with each class of capital. In order to balance the overall capital structure, the Group may adjust the amount of dividends paid to shareholders, the number of new shares issued or repurchased, and the amount of new debt issued or existing debt redeemed.

The Group is not subject to any externally imposed capital requirements except those discussed in Note 18.

**32. FINANCIAL INSTRUMENTS****a. Fair value of financial instruments that are not measured at fair value****1) Fair value of financial instruments not measured at fair value but for which fair value is disclosed**

Except bonds payable measured at amortized cost, the management considered that the carrying amounts of financial assets and financial liabilities not measured at fair value approximate their fair values. The carrying amounts and fair value of bonds payable as of December 31, 2015 and 2016, respectively, were as follows:

	Carrying Amount		Fair Value	
	NT\$	US\$ (Note 4)	NT\$	US\$ (Note 4)
December 31, 2015	\$38,426,250		\$38,465,355	
December 31, 2016	36,999,903	\$1,141,972	37,300,356	\$1,151,246

**2) Fair value hierarchy**

The aforementioned fair value hierarchy of bonds payable was Level 3 which was determined based on discounted cash flow analysis with the applicable yield curve for the duration or the latest trading prices.

**b. Fair value of financial instruments that are measured at fair value on a recurring basis**

1) Fair value hierarchy

	Level 1 NT\$	Level 2 NT\$	Level 3 NT\$	Total NT\$
December 31, 2015				
Financial assets at FVTPL				
Financial assets designated as at FVTPL				
Structured time deposits	\$ -	\$ 1,646,357	\$ -	\$ 1,646,357
Private-placement convertible bonds	-	100,500	-	100,500

(Continued)

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	Level 1 NT\$	Level 2 NT\$	Level 3 NT\$	Total NT\$
Derivative financial assets				
Swap contracts	\$-	\$1,452,611	\$-	\$1,452,611
Forward exchange contracts	-	18,913	-	18,913
Forward currency options	-	5,020	-	5,020
Non-derivative financial assets held for trading				
Open-end mutual funds	573,242	-	-	573,242
Quoted shares	37,058	-	-	37,058
	\$610,300	\$3,223,401	\$-	\$3,833,701
Available-for-sale financial assets				
Limited Partnership	\$-	\$-	\$476,612	\$476,612
Unquoted shares	-	-	264,477	264,477
Quoted shares	197,580	-	-	197,580
Open-end mutual funds	16,037	-	-	16,037
	\$213,617	\$-	\$741,089	\$954,706
Financial liabilities at FVTPL				
Derivative financial liabilities				
Conversion option, redemption option and put option of convertible bonds	\$-	\$2,632,565	\$-	\$2,632,565
Swap contracts	-	290,176	-	290,176
Forward exchange contracts	-	69,207	-	69,207
Foreign currency option contracts	-	13,659	-	13,659
Interest rate swap contracts	-	119	-	119
	\$-	\$3,005,726	\$-	\$3,005,726
(Concluded)				

	Level 1 NT\$	US\$ (Note 4)	Level 2 NT\$	US\$ (Note 4)	Level 3 NT\$	US\$ (Note 4)	Total NT\$	US\$ (Note 4)
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December 31, 2016

Financial assets at FVTPL  
Financial assets designated  
as at FVTPL

Private-placement convertible bonds	\$-	\$-	\$100,583	\$3,104	\$-	\$-	\$100,583	\$3,104
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Derivative financial assets								
Swap contracts	-	-	462,339	14,270	-	-	462,339	14,270
Forward exchange contracts	-	-	66,872	2,064	-	-	66,872	2,064
Non-derivative financial assets held for trading								
Quoted shares	1,855,073	57,255	-	-	-	-	1,855,073	57,255
Open-end mutual funds	584,945	18,054	-	-	-	-	584,945	18,054
	\$2,440,018	\$75,309	\$629,794	\$19,438	\$-	\$-	\$3,069,812	\$94,747
Available-for-sale financial assets								
Unquoted shares	\$-	\$-	\$-	\$-	\$631,418	\$19,488	\$631,418	\$19,488
Limited partnership	-	-	-	-	273,372	8,437	273,372	8,437
Open-end mutual funds	243,458	7,514	-	-	-	-	243,458	7,514
Quoted shares	146,786	4,531	-	-	-	-	146,786	4,531
	\$390,244	\$12,045	\$-	\$-	\$904,790	\$27,925	\$1,295,034	\$39,970

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	Level 1	Level 2		Level 3	Total		
	US\$		US\$	US\$		US\$	
	NT\$	NT\$		NT\$	NT\$		NT\$
	(Note 4)		(Note 4)	(Note 4)		(Note 4)	(Note 4)
Financial liabilities at FVTPL							
Derivative financial liabilities							
Conversion option, redemption option and put option of convertible bonds	\$-	\$ -	\$ 1,213,890	\$ 37,466	\$-	\$ -	\$ 1,213,890
Swap contracts	-	-	422,934	13,054	-	-	422,934
Forward exchange contracts	-	-	108,912	3,361	-	-	108,912
Foreign currency option contracts	-	-	17,924	553	-	-	17,924
	\$-	\$ -	\$ 1,763,660	\$ 54,434	\$-	\$ -	\$ 1,763,660
(Concluded)							

For the financial assets and liabilities that were measured at fair value on a recurring basis held for the years ended December 31, 2015 and 2016, there were no transfers between Level 1 and Level 2 of the fair value hierarchy.

## 2) Reconciliation of Level 3 fair value measurements of financial assets

The financial assets measured at Level 3 fair value were equity investments with no quoted prices classified as available-for-sale financial assets - non-current. Reconciliations for the years ended December 31, 2014, 2015 and 2016 were as follows:

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Balance at January 1	\$ 797,162	\$ 778,866	\$ 741,089	\$ 22,873
Purchases	38,793	2,010	495,928	15,306
Total gain or loss				
In profit or loss	(10,390 )	(15,891 )	(100,734 )	(3,109 )
In other comprehensive income	(25,687 )	21,195	(202,565 )	(6,252 )
Disposals	(21,012 )	(45,091 )	(28,928 )	(893 )
Balance at December 31	\$ 778,866	\$ 741,089	\$ 904,790	\$ 27,925

3) Valuation techniques and assumptions applied for the purpose of measuring fair value

a) Valuation techniques and inputs applied for the purpose of measuring Level 2 fair value measurement

**Financial Instruments**

Derivatives - swap contracts, forward exchange contracts, foreign currency option contracts and interest rate swap contracts

Derivatives - conversion option, redemption option and put option of convertible bonds

Structured time deposits and private-placement convertible bonds

**Valuation Techniques and Inputs**

Discounted cash flows - Future cash flows are estimated based on observable forward exchange rates or interest rates at balance sheet dates and contract forward exchange rates or interest rates, discounted at rates that reflected the credit risk of various counterparties.

Option pricing model - Incorporation of present value techniques and reflect both the time value and the intrinsic value of options

Discounted cash flows - Future cash flows are estimated based on observable forward exchange rates or stock prices at balance sheet dates and contract interest rate ranges or conversion prices, discounted at rates that reflected the credit risk of various counterparties.

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## b) Valuation techniques and inputs applied for the purpose of measuring Level 3 fair value measurement

The fair value of the Group's investments in unquoted shares on Level 3 fair value measurement were measured using market approach based on investees' recent financing activities, technical development, valuation of investees comparable companies, market conditions and other economic indicators.

In 2014, the Group assessed the financial condition as well as future operating performance of its available-for-sale financial assets and then charged an impairment loss of NT\$10,390 under the line item of other gains and losses in the consolidated statement of comprehensive income for the year ended December 31, 2014.

In 2016, the fair values of investments in limited partnership are measured by estimating future cash inflows from disposal (net of transaction cost). The Group recognized an impairment loss of NT\$90,000 thousand (US\$2,778 thousand) under the line item of other gains and losses in the consolidated statements of comprehensive income for the year ended December 31, 2016.

## c. Categories of financial instruments

	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Financial assets			
FVTPL			
Designated as at FVTPL	\$1,746,857	\$100,583	\$3,104
Held for trading	2,086,844	2,969,229	91,643
Available-for-sale financial assets	954,706	1,295,034	39,970
Loans and receivables (Note 1)	101,259,880	92,082,628	2,842,056
Financial liabilities			
FVTPL			
Held for trading	3,005,726	1,763,660	54,434
Measured at amortized cost (Note 2)	173,294,140	168,397,006	5,197,438

Note 1: The balances included loans and receivables measured at amortized cost which comprise cash and cash equivalents, trade and other receivables and other financial assets.



Note 2: The balances included financial liabilities measured at amortized cost which comprise short-term borrowings, short-term bills payable, trade and other payables, bonds payable and long-term borrowings.

d. Financial risk management objectives and policies

The derivative instruments used by the Group are to mitigate risks arising from ordinary business operations. All derivative transactions entered into by the Group are designated as either hedging or trading. Derivative transactions entered into for hedging purposes must hedge risk against fluctuations in foreign exchange rates and interest rates arising from operating activities. The currencies and the amount of derivative instruments held by the Group must match its hedged assets and liabilities denominated in foreign currencies.

The Group's risk management department monitors risks to mitigate risk exposures, reports unsettled position, transaction balances and related gains or losses to the Group's chief financial officer on monthly basis.

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1) Market risk

The Group's activities exposed it primarily to the financial risks of changes in foreign currency exchange rates and interest rates. Gains or losses arising from fluctuations in foreign currency exchange rates of a variety of derivative financial instruments were approximately offset by those of hedged items. Interest rate risk was not significant due to the cost of capital was expected to be fixed.

There had been no change to the Group's exposure to market risks or the manner in which these risks were managed and measured.

a) Foreign currency exchange rate risk

The Group had sales and purchases as well as financing activities denominated in foreign currency which exposed the Group to foreign currency exchange rate risk. The Group entered into a variety of derivative financial instruments to hedge foreign currency exchange rate risk to minimize the fluctuations of assets and liabilities denominated in foreign currencies.

The carrying amounts of the Group's foreign currency denominated monetary assets and liabilities (including those eliminated upon consolidation) as well as derivative instruments which exposed the Group to foreign currency exchange rate risk at each balance sheet date are presented in Note 36.

The Group was principally subject to the impact to exchange rate fluctuation in US\$ and JPY against NT\$ or CNY. 1% is the sensitivity rate used when reporting foreign currency exchange rate risk internally to key management personnel and represents management's assessment of the reasonably possible change in foreign currency exchange rates. The sensitivity analysis included financial assets and liabilities and inter-company receivables and payables within the Group. The changes in profit before income tax due to a 1% change in U.S. dollars and Japanese yen both against NT\$ and CNY would be NT\$41,000 thousand, NT\$18,000 thousand and NT\$69,000 thousand (US\$2,130 thousand) for the years ended December 31, 2014, 2015 and 2016, respectively. Hedging contracts and hedged items have been taken into account while measuring the changes in profit before income tax. The abovementioned sensitivity analysis mainly focused on the foreign currency monetary items at the end of the year. As the year-end exposure did not reflect the exposure for the years ended December 31, 2014, 2015 and 2016, the abovementioned sensitivity analysis was unrepresentative of those years.

b) Interest rate risk

Except a portion of long-term borrowings and bonds payable at fixed interest rates, the Group was exposed to interest rate risk because group entities borrowed funds at floating interest rates. Changes in market interest rates will lead to variances in effective interest rates of borrowings from which the future cash flow fluctuations arise. The Group entered into a variety of derivative financial instruments to hedge interest rate risk to minimize the fluctuations of assets and liabilities denominated in interest rate.

The carrying amounts of the Group's financial assets and financial liabilities with exposure to interest rates at each balance sheet date were as follows:

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	December 31		
	2015	2016	
	NT\$	NT\$	US\$ (Note 4)
Fair value interest rate risk			
Financial liabilities	\$ 18,030,482	\$ 30,243,887	\$ 933,453
Cash flow interest rate risk			
Financial assets	53,475,994	29,977,709	925,238
Financial liabilities	65,213,083	65,800,323	2,030,874

For assets and liabilities with floating interest rates, a 100 basis point increase or decrease was used when reporting interest rate risk internally to key management personnel. If interest rates had been 100 basis points (1%) higher or lower and all other variables held constant, the Group's profit before income tax for the years ended December 31, 2014, 2015 and 2016 would have decreased or increased approximately by NT\$135,000 thousand, NT\$117,000 thousand and NT\$358,000 thousand (US\$11,049 thousand), respectively. Hedging contracts and hedged items have been taken into account while measuring the changes in profit before income tax. The abovementioned sensitivity analysis mainly focused on the interest rate items at the end of the reporting period. As the period-end exposure did not reflect the exposure for the years ended December 31, 2014, 2015 and 2016, the abovementioned sensitivity analysis was unrepresentative of those periods.

c)

Other price risk

The Group was exposed to equity or debt price risk through its investments in financial assets at FVTPL, including private-placement convertible bonds, quoted shares, open-end mutual funds, and available-for-sale financial assets. If equity or debt prices were 1% higher or lower, profit before income tax for the years ended December 31, 2014, 2015 and 2016 would have increased or decreased approximately by NT\$6,800 thousand, NT\$7,100 thousand and NT\$26,000 thousand (US\$802 thousand), respectively, and other comprehensive income before income tax for the years ended December 31, 2014, 2015 and 2016 would have increased or decreased approximately by NT\$25,000 thousand, NT\$10,000 thousand and NT\$13,000 thousand (US\$401 thousand), respectively.

In addition, the Group was also exposed to the Company's ordinary share price risk through Bonds Options recognized as financial liabilities held for trading. 7% is the sensitivity rate used when reporting price risk internally to key management personnel. If the Company's ordinary share price increased or decreased by 7%, profit before income tax for the years ended December 31, 2014, 2015 and 2016 would have decreased approximately by NT\$651,000 thousand, NT\$605,000 thousand and NT\$510,000 thousand (US\$15,741 thousand), respectively, or increased approximately by NT\$608,000 thousand, NT\$638,000 thousand and NT\$445,000 thousand (US\$13,735 thousand), respectively.

2)

Credit risk

Credit risk refers to the risk that counterparty will default on its contractual obligations resulting in financial loss to the Group. The Group's credit risk arises from cash and cash equivalents, receivables and other financial assets. The Group's maximum exposure to credit risk was the carrying amounts of financial assets in the consolidated balance sheets.

The Group dealt with counterparties creditworthy and has a credit policy and trade receivable management procedures to ensure recovery and evaluation of trade receivables. The Group's counterparties consisted of a large number of customers and banks and there was no significant concentration of credit risk exposure.

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## 3) Liquidity risk

The Group manages liquidity risk by maintaining adequate working capital and banking facilities to fulfill the demand for cash flow used in the Group's operation and capital expenditure. The Group also monitors its compliance with all the loan covenants. Liquidity risk is not considered to be significant.

In the table below, financial liabilities with a repayment on demand clause were included in the earliest time band regardless of the probability of counter-parties choosing to exercise their rights. The maturity dates for other non-derivative financial liabilities were based on the agreed repayment dates.

To the extent that interest flows are floating rate, the undiscounted amounts were derived from the interest rates at each balance sheet date.

	<b>On Demand or Less than 1 Month</b> NT\$	<b>1 to 3 Months</b> NT\$	<b>3 Months to 1 Year</b> NT\$	<b>1 to 5 Years</b> NT\$	<b>More than 5 Years</b> NT\$
December 31, 2015					
Non-derivative financial liabilities					
Non-interest bearing	\$ 19,393,406	\$ 19,626,026	\$ 6,493,504	\$ 1,926	\$ 194,346
Floating interest rate liabilities	6,617,050	5,677,129	10,582,324	39,202,454	775,273
Fixed interest rate liabilities	16,168,484	2,463,617	24,787,238	18,078,920	-
	\$42,178,940	\$27,766,772	\$41,863,066	\$57,283,300	\$969,619
December 31, 2016					
Non-derivative financial liabilities					
Non-interest bearing	\$23,907,221	\$20,553,395	\$4,360,322	\$42,285	\$190,941
Floating interest rate liabilities	9,733,727	5,232,407	6,634,931	44,504,416	1,728,448
Fixed interest rate liabilities	5,360,644	1,019,221	10,549,983	28,553,095	2,062,500
	\$39,001,592	\$26,805,023	\$21,545,236	\$73,099,796	\$3,981,889
	<b>On Demand or Less than 1 Month</b> US\$ (Note 4)	<b>1 to 3 Months</b> US\$ (Note 4)	<b>3 Months to 1 Year</b> US\$ (Note 4)	<b>1 to 5 Years</b> US\$ (Note 4)	<b>More than 5 Years</b>

US\$ (Note  
4)

December 31, 2016

## Non-derivative financial liabilities

Non-interest bearing	\$737,877	\$634,364	\$134,578	\$1,305	\$5,893
Floating interest rate liabilities	300,424	161,494	204,782	1,373,593	53,347
Fixed interest rate liabilities	165,452	31,457	325,617	881,268	63,658
	\$1,203,753	\$827,315	\$664,977	\$2,256,166	\$122,898

The amounts included above for floating interest rate instruments for non-derivative financial liabilities was subject to change if changes in floating interest rates differ from those estimates of interest rates determined at each balance sheet date.

The following table detailed the Group's liquidity analysis for its derivative financial instruments. The table was based on the undiscounted contractual net cash inflows and outflows on derivative instruments that settle on a net basis, and the undiscounted gross cash inflows and outflows on those derivatives that require gross settlement. When the amounts payable or receivable are not fixed, the amounts disclosed have been determined by reference to the projected interest rates as illustrated by the yield curves at each balance sheet date.

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	<b>On Demand or Less than 1 Month NT\$</b>	<b>1 to 3 Months NT\$</b>	<b>3 Months to 1 Year NT\$</b>
December 31, 2015			
Net settled			
Forward exchange contracts	\$(230	) \$3,435	\$-
Foreign currency option contracts	\$2,054	\$8,735	\$-
Gross settled			
Forward exchange contracts			
Inflows	\$2,822,265	\$2,421,602	\$-
Outflows	(2,836,080	) (2,429,050	) -
	(13,815	) (7,448	) -
Swap contracts			
Inflows	\$16,561,521	\$22,476,799	\$36,796,825
Outflows	(16,564,549)	(22,007,274)	(35,813,527)
	(3,028	) 469,525	983,298
Interest rate swap contracts			
Inflows	12,603	12,466	25,069
Outflows	(11,595	) (11,469	) (23,063
	1,008	997	2,006
	\$(15,835	) \$463,074	\$985,304
December 31, 2016			
Net settled			
Forward exchange contracts	\$22,680	\$13,320	\$-
Foreign currency option contracts	\$(344	) \$-	\$-
Gross settled			
Forward exchange contracts			
Inflows	\$5,134,196	\$912,213	\$-
Outflows	(5,245,724	) (915,900	) -
	(111,528	) (3,687	) -
Swap contracts			
Inflows	5,345,159	17,399,695	43,537,500
Outflows	(5,439,190	) (17,540,927)	(42,882,201)
	(94,031	) (141,232	) 655,299
	\$(205,559	) \$(144,919	) \$655,299



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	<b>On Demand or Less than  1 Month</b>	<b>1 to 3 Months</b>	<b>3 Months to  1 Year</b>
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
December 31, 2016			
Net settled			
Forward exchange contracts	\$700	\$411	\$-
Foreign currency option contracts	\$(10 )	\$-	\$-
Gross settled			
Forward exchange contracts			
Inflows	\$ 158,463	\$28,155	\$-
Outflows	(161,905)	(28,269 )	-
	(3,442 )	(114 )	-
Swap contracts			
Inflows	\$ 164,974	\$537,028	\$1,343,750
Outflows	(167,876)	(541,387)	(1,323,525)
	(2,902 )	(4,359 )	20,225
	\$(6,344 )	\$(4,473 )	\$20,225

**33. RELATED PARTY TRANSACTIONS**

Balances and transactions within the Group had been eliminated upon consolidation. Details of transactions between the Group and other related parties were disclosed as follows:

The Company contributed each NT\$100,000 thousand (US\$3,086 thousand) to ASE Cultural and Educational a. Foundation (“ASE Foundation”) during 2014, 2015 and 2016, respectively, for environmental charity in promoting the related domestic environmental protection and public service activities (Note 35).

During 2016, the Company acquired patents and specific technology from an associate at NT\$403,543 thousand b. (US\$12,455 thousand), which was primarily based on independent professional appraisal reports. As of December 31, 2016, NT\$161,250 thousand (US\$4,977 thousand) has not been paid and was accrued under the line item of other payables and other non-current liabilities.

c. During 2014 and 2015, the Company acquired real estate from an associate at NT\$4,540,086 thousand and NT\$2,466,000 thousand, respectively, which were primarily based on independent professional appraisal reports

and fully paid.

d. During 2014, the construction of buildings with green design concept and other projects on current leased property for which the Company contracted with an associate has been completed with a total consideration of NT\$349,646 thousand, which was primarily based on independent professional appraisal reports as well as request for quotation and price negotiation, and the payment schedule was based on the agreed acceptance progress. In addition, the Company contracted with the same associate for the construction of employee dormitory on leased property. During 2015 and 2016, the employee dormitory has been capitalized for NT\$504,600 thousand and NT\$875,000 thousand (US\$27,006 thousand), respectively. As of December 31, 2016, NT\$228,500 thousand (US\$7,052 thousand) has not been paid and was accrued under the line item of other payables.

e. During 2014, the Company donated NT\$15,000 thousand to Social Affairs Bureau of the Kaohsiung City Government through ASE Foundation to help the Kaohsiung City Government rebuild the damaged area and settle the residents who suffered or needed to be evacuated from home due to the gas explosion accident in the Qianzhen District of the Kaohsiung City.

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f. In February 2016, USIE repurchased its own 1,801 thousand outstanding ordinary shares from the Group's key management personnel with approximately NT\$1,130,650 thousand (US\$34,897 thousand).

g. Compensation to key management personnel

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Short-term employee benefits	\$989,720	\$812,002	\$790,460	\$24,397
Post-employment benefits	4,049	3,944	4,790	148
Share-based payments	50,327	17,937	11,547	356
	\$1,044,096	\$833,883	\$806,797	\$24,901

The compensation to the Company's key management personnel is determined according to personal performance and market trends.

#### 34. ASSETS PLEDGED AS COLLATERAL OR FOR SECURITY

In addition to Note 9, the following assets were provided as collateral for bank borrowings and the tariff guarantees of imported raw materials:

	December 31		US\$ (Note 4)
	2015	2016	
	NT\$	NT\$	
Inventories related to real estate business	\$16,312,519	\$16,813,023	\$518,921
Other financial assets (including current and non-current)	229,613	220,228	6,797
	\$16,542,132	\$17,033,251	\$525,718

#### 35. SIGNIFICANT CONTINGENT LIABILITIES AND UNRECOGNIZED COMMITMENTS

In addition to those disclosed in other notes, significant commitments and contingencies of the Group as of each balance sheet date were as follows:

a. Significant commitments

1) As of December 31, 2015 and 2016, unused letters of credit of the Group were approximately NT\$93,000 thousand and NT\$97,000 thousand (US\$2,994 thousand), respectively.

2) As of December 31, 2015 and 2016, the amounts that the Group has committed to purchase property, plant and equipment were approximately NT\$8,089,200 thousand and NT\$6,630,957 thousand (US\$204,659 thousand), respectively, of which NT\$1,756,990 thousand and NT\$668,509 thousand (US\$20,633 thousand) had been prepaid, respectively.

3) As of December 31, 2015 and 2016, the unpaid amounts that the Group has contracted for the construction related to the Group's real estate business were approximately NT\$2,745,400 thousand and NT\$1,574,822 thousand (US\$48,606 thousand), respectively.

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In consideration of corporate social responsibility for environmental protection, the Company's board of directors, in December 2013, approved contributions to be made in the next 30 years, at a total amount of NT\$3,000,000 thousand, at the minimum, to environmental protection efforts in Taiwan. In January 2017, the Company's board of directors approved to contribute NT\$100,000 thousand (US\$3,086 thousand) to ASE Foundation for continuously implementing environmental effort in promoting the related domestic environmental protection and public service activities.

## b. Non-cancellable operating lease commitments

	December 31, 2016	
	NT\$	US\$ (Note 4)
Less than 1 year	\$284,214	\$8,772
1-5 years	355,668	10,978
More than 5 years	438,545	13,535
	\$1,078,427	\$33,285

## 36. SIGNIFICANT ASSETS AND LIABILITIES DENOMINATED IN FOREIGN CURRENCIES

The following information was aggregated by the foreign currencies other than functional currencies of the group entities and the exchange rates between foreign currencies and respective functional currencies were disclosed. The significant financial assets and financial liabilities denominated in foreign currencies were as follows:

	<b>Foreign Currencies</b>	<b>Exchange Rate</b>	<b>Carrying Amount</b>
	<b>(In Thousand)</b>		<b>(In Thousand)</b>
December 31, 2015			
Monetary financial assets			
US\$	\$2,926,597	US\$1=NT\$32.825	\$96,065,552
US\$	1,008,097	US\$1=CNY6.4936	33,090,795
JPY	3,380,683	JPY1=NT\$0.2727	921,912
JPY	8,467,689	JPY1=US\$0.0083	2,309,139
Monetary financial liabilities			
US\$	2,988,953	US\$1=NT\$32.825	98,112,393
US\$	995,195	US\$1=CNY6.4936	32,667,265
JPY	3,747,333	JPY1=NT\$0.2727	1,021,898

JPY 8,775,382 JPY1=US\$0.0083 2,393,047

December 31, 2016

Monetary financial assets

US\$	\$3,106,557	US\$1=NT\$32.25	\$100,186,466
US\$	1,020,769	US\$1=CNY6.9370	32,919,814
JPY	4,976,309	JPY1=NT\$0.2756	1,371,471
JPY	9,277,760	JPY1=US\$0.0085	2,556,951

Monetary financial liabilities

US\$	3,013,288	US\$1=NT\$32.25	97,178,536
US\$	891,487	US\$1=CNY6.9370	28,750,462
JPY	5,881,716	JPY1=NT\$0.2756	1,621,001
JPY	9,543,756	JPY1=US\$0.0085	2,630,259

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The significant realized and unrealized foreign exchange gain (loss) were as follows:

Functional Currencies	For the Years Ended December 31		Net Foreign Exchange Gain (Loss)	2016		
	2014	2015		Exchange Rate	Net Foreign Exchange Gain	
	Exchange Rate	Net Foreign Exchange Gain (Loss)	Exchange Rate	Net Foreign Exchange Gain	US\$ (Note 4)	
		NT\$		NT\$	NT\$	
NT\$		\$(1,591,124)		\$(695,510)	\$1,494,044	\$46,113
US\$	US\$1	298,225	US\$1	136,795	203,258	6,926
	=NT\$31.65		=NT\$32.825		=NT\$32.25	
	CNY1		CNY1		CNY1	
CNY		42,049		(271,358)	224,393	6,273
	=NT\$5.1724		=NT\$5.0550		=NT\$4.649	
		\$(1,250,850)		\$(830,073)	\$1,921,695	\$59,312

## 37. OTHERS

In November 2015, the Company received a legal brief filed by SPIL in connection with a lawsuit brought by SPIL against the Company which was filed with Kaohsiung District Court. On June 27, 2016, as SPIL failed to pay the a) court expenses upon the deadline, the Kaohsiung District Court dismissed the lawsuit pursuant to the relevant law.

As a result, the lawsuit does not have material impact on the financial position and the result of operations of the Group.

b) On December 20, 2013, the Kaohsiung Environmental Protection Bureau (“KEPB”) imposed a fine of NT\$102,014 thousand (“the Administrative Fine”) upon the Company for the violation of the Water Pollution Control Act. The Company filed an administrative appeal to nullify the Administrative Fine, which, however, was dismissed by the Kaohsiung City Government. The Company then filed a lawsuit with the Kaohsiung High Administrative Court seeking to revoke the dismissal decision made by the Kaohsiung City Government (the “Administrative Appeal Decision”) and the Administrative Fine, and to demand a refund of the fine paid by the Company. The judgment of the Kaohsiung High Administrative Court was rendered on March 22, 2016, ruling to revoke the Administrative Appeal Decision and the Administrative Fine, and to dismiss the other complaint filed by the Company (i.e., to demand a refund of the fine paid by the Company). The Company appealed against the unfavorable ruling on April 14, 2016 and the case is now being heard by the Supreme Administrative Court. Meanwhile, owing to the event above, in January 2014, the Kaohsiung District Prosecutors Office charged the Company with violation of the Waste Disposal Act. The Kaohsiung District Court handed down the judgment and the Company was fined NT\$3,000 thousand which has been recorded under the line item of other gains and losses for the year ended December 31, 2014. Then the Company appealed against the judgment to the Kaohsiung Branch of Taiwan High



Court, and the Kaohsiung Branch of Taiwan High Court rendered on September 29, 2015 a final judgment of finding the Company not guilty of the criminal charge.

For the future development and sustainable development of semiconductor industry, the Company's board of directors approved in June 2016 to enter into and execute a joint share exchange agreement with SPIL to establish ASE Industrial Holding Co., Ltd. ("ASE Holding") and ASE Holding will acquire all issued and outstanding shares of both ASE and SPIL in the way of share exchange. The share exchange will be conducted at an exchange ratio of 1 ordinary share of the Company for 0.5 ordinary share of ASE Holding, and at NT\$55 in cash per SPIL's ordinary share, which has been adjusted to NT\$51.2 after SPIL's appropriation of earnings in 2016.

As of the date the consolidated financial statements were authorized for issue, the share exchange transaction has not been completed. According to the share exchange agreement, the completion of share exchange transaction is subject to the satisfaction or waiver of all conditions precedent (including the unconditional approvals at the Company and SPIL's shareholders meeting, the approval or consent to consummate the transaction from all relevant competent authorities). Unless the Company and SPIL entering into another agreement, this share exchange agreement shall be terminated automatically if the aforementioned conditions precedent are not satisfied or to be waived on or before December 31, 2017.

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Due to the aforementioned share exchange agreement, treasury shares of the Company and the convertible bonds embedded with conversion option recognized as equity issued by the Company were affected as follows:

For the outstanding balance of the Bonds, except where the Bonds have been redeemed or repurchased and cancelled or converted by the holders by exercising their conversion rights before the share exchange record date, 1) the holders of the Bonds may, after the Company obtains approval from all relevant competent authorities and after the share exchange record date, convert such outstanding balance into newly issued ASE Holding common shares. The conversion shall be subject to applicable laws, the indenture of the Bonds and the share exchange ratio.

Treasury shares purchased before the share exchange record date for the conversion of the Currency Linked Bonds will be exchanged to ASE Holding's ordinary shares, which will still be held by the Company, based on the agreed share exchange ratio. 2) The conversion price of the Currency Linked Bonds shall also be adjusted in accordance with the agreed share exchange ratio in the joint share exchange agreement.

For the employee share options issued by the Company upon the approval from relevant competent authorities before the execution of the joint share exchange agreement, ASE Holding will assume the Company's obligations under the employee share options as of the share exchange record date. Except that the exercise price and amount 3) shall be adjusted in accordance with the agreed share exchange ratio and that the shares subject to exercise shall be converted into ASE Holding's newly issued ordinary shares, all other terms and conditions for issuance will remain the same. The final execution arrangements shall be made by ASE Holding in compliance with relevant laws and regulations and subject to the approval of relevant competent authorities.

### 38. OPERATING SEGMENTS INFORMATION

The Group has the following reportable segments: Packaging, Testing and EMS. The Group packages bare semiconductors into finished semiconductors with enhanced electrical and thermal characteristics; provides testing services, including front-end engineering testing, wafer probing and final testing services; engages in the designing, assembling, manufacturing and sale of electronic components and telecommunications equipment motherboards. Information about other business activities and operating segments that are not reportable are combined and disclosed in "Others." The Group engages in other activities such as substrate production and real estate business.

The accounting policies for segments are the same as those described in Note 4. The measurement basis for resources allocation and performance evaluation is based on profit before income tax.

Segment information for the years ended December 31, 2014, 2015 and 2016 was as follows:

a. Segment revenues and results

	Packaging NT\$	Testing NT\$	EMS NT\$	Others NT\$	Total NT\$
For the year ended December 31, 2014					
Revenue from external customers	121,336,453	25,874,694	105,784,427	3,595,873	256,591,447
Inter-segment revenues (Note)	9,418,359	177,793	48,596,814	8,437,439	66,630,405
Segment revenues	130,754,812	26,052,487	154,381,241	12,033,312	323,221,852
Interest income	96,737	10,245	116,451	20,041	243,474
Interest expense	(1,566,595 )	(15,663 )	(155,702 )	(586,466 )	(2,324,426 )
Depreciation and amortization	(17,533,267 )	(6,160,378 )	(1,435,509 )	(1,221,622 )	(26,350,776 )
Share of the profit of associates	(121,882 )	-	-	-	(121,882 )
Impairment loss	(231,936 )	(4,701 )	(10,390 )	(61,117 )	(308,144 )
Segment profit before income tax	17,279,239	6,800,894	3,818,393	636,529	28,535,055
Expenditures for segment assets	29,863,337	6,157,154	6,562,513	865,583	43,448,587
(Continued)					

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	Packaging NT\$	Testing NT\$	EMS NT\$	Others NT\$	Total NT\$
December 31, 2014					
Investments accounted for using the equity method	\$1,468,242	\$-	\$-	\$-	\$1,468,242
Segment assets	166,359,949	44,147,813	78,865,897	44,345,158	333,718,817
For the year ended December 31, 2015					
Revenue from external customers	116,607,314	25,191,916	138,242,100	3,261,206	283,302,536
Inter-segment revenues (Note)	9,454,671	191,608	58,451,996	7,659,282	75,757,557
Segment revenues	126,061,985	25,383,524	196,694,096	10,920,488	359,060,093
Interest income	53,235	12,536	149,385	26,928	242,084
Interest expense	(1,520,118 )	(5,821 )	(147,792 )	(595,055 )	(2,268,786 )
Depreciation and amortization	(18,946,460 )	(6,516,912 )	(2,738,722 )	(1,316,570 )	(29,518,664 )
Share of the profit of associates and joint ventures	126,265	-	-	-	126,265
Impairment loss	(139,397 )	-	(102,389 )	(16,343 )	(258,129 )
Segment profit before income tax	15,479,868	6,354,140	2,874,944	302,836	25,011,788
Expenditures for segment assets	19,691,068	4,754,481	2,917,939	917,333	28,280,821
December 31, 2015					
Investments accounted for using the equity method	37,122,244	-	-	-	37,122,244
Segment assets	193,323,304	42,652,569	79,997,341	49,013,678	364,986,892
For the year ended December 31, 2016					
Revenue from external customers	125,282,829	27,031,750	115,395,130	7,174,398	274,884,107
Inter-segment revenues (Note)	4,929,897	243,980	47,721,424	9,186,359	62,081,660
Segment revenues	130,212,726	27,275,730	163,116,554	16,360,757	336,965,767
Interest income	32,499	41,405	130,659	25,504	230,067
Interest expense	(1,727,127 )	(5,980 )	(44,433 )	(439,997 )	(2,217,537 )
Depreciation and amortization	(18,706,891 )	(6,566,936 )	(2,759,298 )	(1,389,179 )	(29,422,304 )
Share of the profit of associates and joint ventures	1,520,052	(7,833 )	-	-	1,512,213
Impairment loss	(974,095 )	(4,136 )	(1,886 )	-	(980,117 )
Segment profit before income tax	13,928,292	7,228,182	4,626,263	2,242,404	J8, 025,141
Expenditures for segment assets	17,561,135	8,247,003	906,042	966,682	27,680,862
December 31, 2016					
	49,603,847	229,146	-	-	49,832,993

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Investments accounted for using the equity method

Segment assets	200,610,763	42,964,294	73,915,639	40,460,480	357,951,176
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Packaging US\$ (Note 4)	Testing US\$ (Note 4)	EMS US\$ (Note 4)	Others US\$ (Note 4)	Total US\$ (Note 4)
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For the year ended December 31, 2016

Revenue from external customers	\$3,866,754	\$834,313	\$3,561,578	\$221,432	\$8,484,077
Inter-segment revenues (Note)	152,157	7,530	1,472,883	283,530	1,916,100
Segment revenues	4,018,911	841,843	5,034,461	504,962	10,400,177
Interest income	1,003	1,278	4,033	787	7,101
Interest expense	(53,306 )	(185 )	(1,371 )	(13,580 )	(68,442 )
Depreciation and amortization	(577,373 )	(202,683 )	(85,164 )	(42,876 )	(908,096 )
Share of the profit of associates and joint ventures	46,915	(242 )	-	-	46,673
Impairment loss	(30,065 )	(128 )	(58 )	-	(30,251 )
Segment profit before income tax	429,886	223,092	142,786	69,210	864,974
Expenditures for segment assets	542,010	254,537	27,964	29,837	854,348

December 31, 2016

Investments accounted for using the equity method	1,530,982	7,073	-	-	1,538,055
Segment assets (Concluded)	6,191,691	1,326,058	2,281,347	1,248,780	11,047,876

Note: Inter-segment revenues were eliminated upon consolidation.

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## b. Revenue from major products and services

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
Advanced packaging and IC wirebonding service	\$108,384,405	\$103,735,586	\$112,838,646	\$3,482,674
Wafer probing and final testing service	25,116,026	24,136,399	26,065,195	804,481
Electronic components manufacturing service	104,904,455	137,347,359	114,425,790	3,531,660
Others	18,186,561	18,083,192	21,554,476	665,262
	\$256,591,447	\$283,302,536	\$274,884,107	\$8,484,077

## c. Geographical information

Geographical information about revenue from external customers and noncurrent assets are reported based on the country where the external customers are headquartered and noncurrent assets are located, respectively.

## 1) Net revenues from external customers

	For the Years Ended December 31			US\$ (Note 4)
	2014	2015	2016	
	NT\$	NT\$	NT\$	
United States	\$173,912,974	\$205,730,670	\$180,745,837	\$5,578,575
Taiwan	36,747,699	32,631,149	38,868,679	1,199,651
Asia	24,042,586	22,885,128	29,896,304	922,725
Europe	20,826,125	20,577,069	23,275,732	718,387
Others	1,062,063	1,478,520	2,097,555	64,739
	\$256,591,447	\$283,302,536	\$274,884,107	\$8,484,077

## 2) Noncurrent assets, excluding financial instruments, post-employment benefit assets and deferred tax assets

December 31		US\$ (Note 4)
2015	2016	
NT\$	NT\$	

Taiwan	\$98,849,362	\$97,349,392	\$3,004,611
China	40,385,484	34,142,577	1,053,783
Others	25,458,503	26,935,370	831,339
	\$164,693,349	\$158,427,339	\$4,889,733

d.

Major customers

Except one customer from which the operating revenues generated from packaging and EMS segments was NT\$54,431,222 thousand, NT\$88,311,697 thousand and NT\$66,554,659 thousand (US\$2,054,156 thousand) in 2014, 2015 and 2016, respectively, the Group did not have other single customer to which the operating revenues exceeded 10% of operating revenues for the years ended December 31, 2014, 2015 and 2016.

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**Annex D-2**

**Advanced Semiconductor Engineering,  
Inc. and Subsidiaries**

**Condensed Consolidated Financial Statements for the  
Nine Months Ended September 30, 2016 and 2017**



## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED BALANCE SHEETS

(Amounts in Thousands)

(Unaudited)

ASSETS	December 31, 2016	September 30, 2017	
	(Retrospectively Adjusted) NT\$	NT\$	US\$ (Note 4)
<b>CURRENT ASSETS</b>			
Cash and cash equivalents (Notes 4 and 6)	\$ 38,392,524	\$ 38,975,077	\$ 1,285,034
Financial assets at fair value through profit or loss - current (Notes 4 and 7)	3,069,812	3,339,900	110,119
Available-for-sale financial assets - current (Notes 4 and 8)	266,696	80,239	2,646
Trade receivables, net (Notes 4 and 9)	51,145,557	51,830,071	1,708,871
Other receivables (Note 4)	665,480	4,703,637	155,082
Current tax assets (Notes 4 and 25)	471,752	242,856	8,007
Inventories (Notes 4 and 10)	21,438,062	26,771,663	882,679
Inventories related to real estate business (Notes 4, 11 24 and 36)	24,187,515	10,494,092	345,997
Other financial assets - current (Notes 4, 12 and 36)	558,686	569,419	18,774
Other current assets	2,593,575	2,905,274	95,789
Total current assets	142,789,659	139,912,228	4,612,998
<b>NON-CURRENT ASSETS</b>			
Available-for-sale financial assets - non-current (Notes 4 and 8)	1,028,338	1,111,964	36,662
Investments accounted for using the equity method (Notes 4, 5 and 13)	49,824,690	48,926,273	1,613,131
Property, plant and equipment (Notes 4, 14, 24, and 37)	143,880,241	136,981,981	4,516,386
Investment properties (Notes 4, 15, 24 and 36)	-	8,051,721	265,471
Goodwill (Notes 4, 5, 16 and 28)	10,490,309	10,388,715	342,523
Other intangible assets (Notes 4, 17, 24, 28 and 35)	1,617,261	1,441,418	47,524
Deferred tax assets (Notes 4 and 25)	4,536,924	3,954,752	130,391
Other financial assets - non-current (Notes 4, 12 and 36)	1,320,381	1,165,254	38,419

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Long-term prepayments for lease (Note 18)	2,237,033	7,809,515	257,485
Other non-current assets	205,740	351,836	11,600
Total non-current assets	215,140,917	220,183,429	7,259,592
TOTAL	\$ 357,930,576	\$ 360,095,657	\$ 11,872,590

(Continued)

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**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONDENSED CONSOLIDATED BALANCE SHEETS****(Amounts in Thousands)****(Unaudited)**

	December 31, 2016 (Retrospectively Adjusted)	September 30, 2017	
	NT\$	NT\$	US\$ (Note 4)
<b>LIABILITIES AND EQUITY</b>			
<b>CURRENT LIABILITIES</b>			
Short-term borrowings (Note 19)	\$ 20,955,522	\$ 19,638,390	\$ 647,491
Financial liabilities at fair value through profit or loss - current (Notes 4 and 7)	1,763,660	803,925	26,506
Trade payables	35,803,984	41,077,069	1,354,338
Other payables (Note 21)	21,522,034	19,389,996	639,301
Current tax liabilities (Note 4)	6,846,350	6,060,926	199,833
Current portion of bonds payable (Notes 4 and 20)	9,658,346	6,136,891	202,337
Current portion of long-term borrowings (Notes 19 and 36)	6,567,565	6,839,993	225,519
Other current liabilities	3,852,113	4,407,842	145,329
Total current liabilities	106,969,574	104,355,032	3,440,654
<b>NON-CURRENT LIABILITIES</b>			
Bonds payable (Notes 4 and 20)	27,341,557	16,980,485	559,858
Long-term borrowings (Notes 19 and 36)	46,547,998	32,525,043	1,072,372
Deferred tax liabilities (Notes 4 and 25)	4,856,549	4,900,453	161,571
Net defined benefit liabilities (Notes 4 and 22)	4,172,253	4,061,747	133,918
Other non-current liabilities	1,201,480	1,176,135	38,778
Total non-current liabilities	84,119,837	59,643,863	1,966,497
Total liabilities	191,089,411	163,998,895	5,407,151
<b>EQUITY ATTRIBUTABLE TO OWNERS OF THE COMPANY (Notes 4 and 23)</b>			
Share capital			
Ordinary shares	79,364,735	83,804,781	2,763,099
Shares subscribed in advance	203,305	3,450,278	113,758
Total share capital	79,568,040	87,255,059	2,876,857

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Capital surplus	22,266,500	40,348,725	1,330,324
Retained earnings (Notes 13 and 28)			
Legal reserve	14,597,032	16,765,066	552,755
Special reserve	3,353,938	3,353,938	110,581
Unappropriated earnings	44,188,554	48,020,280	1,583,260
Total retained earnings	62,139,524	68,139,284	2,246,596
Accumulated other comprehensive income	(1,840,937 )	(5,144,613 )	(169,621 )
Treasury shares	(7,292,513 )	(7,292,513 )	(240,439 )
Equity attributable to owners of the Company	154,840,614	183,305,942	6,043,717
NON-CONTROLLING INTERESTS (Notes 4 and 23)	12,000,551	12,790,820	421,722
Total equity	166,841,165	196,096,762	6,465,439
TOTAL	\$ 357,930,576	\$ 360,095,657	\$ 11,872,590

The accompanying notes are an integral part of the condensed consolidated financial statements. (Concluded)

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## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(Amounts in Thousands Except Earnings Per Share)

(Unaudited)

	For the Nine Months Ended September 30 2016 (Retrospectively Adjusted)		
	2017		
	NT\$	NT\$	US\$ (Note 4)
OPERATING REVENUES (Note 4)	\$ 197,755,474	\$ 206,455,154	\$ 6,806,962
OPERATING COSTS (Notes 10, 24 and 28)	159,942,771	168,516,606	5,556,103
GROSS PROFIT	37,812,703	37,938,548	1,250,859
OPERATING EXPENSES (Notes 24 and 28)			
Selling and marketing expenses	2,610,411	2,434,644	80,272
General and administrative expenses	8,371,727	9,290,897	306,327
Research and development expenses	8,300,488	8,701,067	286,880
Total operating expenses	19,282,626	20,426,608	673,479
OTHER OPERATING INCOME AND EXPENSES (Notes 14 and 24)	(704,251 )	274,317	9,044
PROFIT FROM OPERATIONS	17,825,826	17,786,257	586,424
NON-OPERATING INCOME AND EXPENSES			
Other income (Note 24)	411,965	453,688	14,958
Other gains and losses (Note 24)	734,066	5,750,612	189,602
Finance costs (Note 24)	(1,746,585 )	(1,345,502 )	(44,362 )
Share of profit of associates and joint ventures (Notes 4, 5 and 13)	1,176,046	542,509	17,887
Total non-operating income and expenses	575,492	5,401,307	178,085

PROFIT BEFORE INCOME TAX	18,401,318	23,187,564	764,509
INCOME TAX EXPENSE (Notes 4, 5 and 25)	3,229,968	4,638,014	152,918
PROFIT FOR THE PERIOD	15,171,350	18,549,550	611,591

(Continued)

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**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES****CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME****(Amounts in Thousands Except Earnings Per Share)****(Unaudited)**

	For the Nine Months Ended September		
	30		
	2016		
	(Retrospectively		
	Adjusted) 2017		
	NT\$	NT\$	US\$ (Note
			4)
<b>OTHER COMPREHENSIVE INCOME (LOSS)</b>			
Items that may be reclassified			
subsequently to profit or loss:			
Exchange differences on translating			
foreign operations	\$(6,743,531 )	\$(4,179,480 )	\$(137,800)
Unrealized gain (loss) on available- for-sale			
financial assets	(52,969 )	183,026	6,035
Share of other comprehensive income (loss) of			
associates and joint ventures accounted			
for using the equity method	(535,044 )	426,703	14,068
	(7,331,544 )	(3,569,751 )	(117,697)
<b>TOTAL COMPREHENSIVE INCOME</b>			
<b>FOR THE PERIOD</b>	\$7,839,806	\$14,979,799	\$493,894
<b>NET PROFIT ATTRIBUTABLE TO:</b>			
Owners of the Company	\$14,339,729	\$17,414,958	\$574,183
Non-controlling interests	831,621	1,134,592	37,408
	\$15,171,350	\$18,549,550	\$611,591
<b>TOTAL COMPREHENSIVE INCOME</b>			
<b>ATTRIBUTABLE TO:</b>			
Owners of the Company	\$7,602,650	\$14,111,282	\$465,258
Non-controlling interests	237,156	868,517	28,636
	\$7,839,806	\$14,979,799	\$493,894
<b>EARNINGS PER SHARE (Note 26)</b>			
Basic	\$1.87	\$2.16	\$0.07

Diluted	\$ 1.58	\$ 1.98	\$ 0.07
EARNINGS PER AMERICAN DEPOSITARY SHARE (“ADS”)			
Basic	\$ 9.36	\$ 10.81	\$ 0.36
Diluted	\$ 7.88	\$ 9.88	\$ 0.33

The accompanying notes are an integral part of the condensed consolidated financial statements. (Concluded)

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## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(Amounts in Thousands)

(Unaudited)

	Equity Attributable to Owners of the Company							Other Equity
	Share Capital		Retained Earnings				Total	U
	(In Thousands)	Amounts	Capital Surplus	Legal Reserve	Special Reserve	Unappropriated Earnings	Total	Exchange Differences (on Translating Foreign Operations
ADJUSTED BALANCE AT JANUARY 1 2016 (Note 13)	7,910,428	\$79,185,660	\$23,758,550	\$12,649,145	\$3,353,938	\$37,696,865	\$53,699,948	\$4,492,671
Change in capital surplus from investments in associates and joint ventures accounted for using the equity method	-	-	8,283	-	-	-	-	-
Profit for the nine months ended September 30, 2016 (After retrospectively adjusted) (Notes 13 and 28)	-	-	-	-	-	14,339,729	14,339,729	-
Other comprehensive								

loss for the nine months ended September 30, 2016, net of income tax	-	-	-	-	-	-	-	(6,448,846)
Total comprehensive income (loss) for the nine months ended September 30, 2016 (After retrospectively adjusted)	-	-	-	-	-	14,339,729	14,339,729	(6,448,846)
Appropriation of 2015 earnings								
Legal reserve	-	-	-	1,947,887	-	(1,947,887 )	-	-
Cash dividends declared by the Company	-	-	-	-	-	(12,476,779)	(12,476,779)	-
	-	-	-	1,947,887	-	(14,424,666)	(12,476,779)	-
Issue of dividends received by subsidiaries from the Company	-	-	233,013	-	-	-	-	-
Partial disposal of interest in subsidiaries and additional acquisition of majority-owned subsidiaries (Note 30)	-	-	(20,552 )	-	-	(5,884 )	(5,884 )	-
Changes in percentage of ownership interest in subsidiaries (Note 30)	-	-	(1,912,887 )	-	-	-	-	-
Issue of ordinary shares	26,262	323,390	396,996	-	-	-	-	-

under employee  
share options

Non-controlling  
interest arising  
from acquisition  
of  
subsidiaries  
(After  
retrospectively -  
adjusted) (Note  
28)

Cash dividends  
distributed by -  
subsidiaries

Additional  
non-controlling  
interest arising  
on issue of  
employee share  
options by -  
subsidiaries

ADJUSTED  
BALANCE AT  
SEPTEMBER  
30, 2016

7,936,690 \$79,509,050 \$22,463,403 \$14,597,032 \$3,353,938 \$37,606,044 \$55,557,014 \$(1,956,175)\$

ADJUSTED  
BALANCE AT  
JANUARY 1,  
2017 (Notes 13  
and 28)

7,946,184 \$79,568,040 \$22,266,500 \$14,597,032 \$3,353,938 \$44,188,554 \$62,139,524 \$(1,643,623)\$

Change in  
capital surplus  
from  
investments in  
associates and  
joint ventures  
accounted for  
using the  
equity method -

- 2,266 - - - -

Profit for the  
nine months  
ended  
September 30,  
2017 (Notes 13

- - - - 17,414,958 17,414,958 -

and 28)

Other  
comprehensive  
income (loss)  
for the nine  
months ended  
September 30,  
2017, net of  
income tax

-	-	-	-	-	-	-	-	(4,032,189)
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Total  
comprehensive  
income (loss)  
for the nine  
months  
ended  
September 30,  
2017

-	-	-	-	-	-	17,414,958	17,414,958	(4,032,189)
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(Continued)

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## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(Amounts in Thousands)

(Unaudited)

## Equity Attributable to Owners of the Company

	Share Capital		Capital Surplus	Retained Earnings			Unappropriated Earnings	Total	Other Equity	Exchange Differences on Translating Foreign Operations
	Shares (In Thousands)	Amounts		Legal Reserve	Special Reserve					
Appropriation of 2016 earnings										
Legal reserve	-	\$-	\$-	\$2,168,034	\$-	\$(2,168,034)	\$-	\$-	\$-	\$-
Cash dividends declared by the Company	-	-	-	-	-	(11,415,198)	(11,415,198)	-	-	-
	-	-	-	2,168,034	-	(13,583,232)	(11,415,198)	-	-	-
Issue of ordinary shares for capital increase by cash (Note 23)	300,000	3,000,000	7,290,000	-	-	-	-	-	-	-
Issue of ordinary shares under conversion of bonds (Notes 20 and 23)	424,258	4,242,577	9,657,905	-	-	-	-	-	-	-
Issue of dividends										

received by subsidiaries from the Company	-	-	200,977	-	-	-	-	-
Changes in percentage of ownership interest in subsidiaries (Note 30)	-	-	3,055	-	-	-	-	-
Issue of ordinary shares under employee share options	55,064	444,442	928,022	-	-	-	-	-
Cash dividends distributed by subsidiaries	-	-	-	-	-	-	-	-
Additional non-controlling interest arising on issue of employee share options by subsidiaries	-	-	-	-	-	-	-	-
BALANCE AT SEPTEMBER 30, 2017	8,725,506	\$87,255,059	\$40,348,725	\$16,765,066	\$3,353,938	\$48,020,280	\$68,139,284	\$(5,675,812)
US DOLLARS (Note 4)								
BALANCE AT SEPTEMBER 30, 2017		\$2,876,857	\$1,330,324	\$552,755	\$110,581	\$1,583,260	\$2,246,596	\$(187,135)

The accompanying notes are an integral part of the condensed consolidated financial statements. (Concluded)

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## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(Amounts in Thousands)

(Unaudited)

	For the Nine Months Ended September 30 2016		
	(Retrospectively Adjusted) 2017		
	NT\$	NT\$	US\$ (Note 4)
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Profit before income tax	\$18,401,318	\$23,187,564	\$764,509
Adjustments for:			
Depreciation expense	21,694,771	21,440,178	706,897
Amortization expense	389,363	344,151	11,347
Net loss on fair value change of financial assets and liabilities at fair value through profit or loss	1,492,157	2,567,033	84,637
Finance costs	1,746,585	1,345,502	44,362
Interest income	(171,615 )	(178,027 )	(5,870 )
Dividend income	(20,625 )	(47,225 )	(1,557 )
Compensation cost of employee share options	353,676	397,659	13,111
Share of profit of associates and joint ventures	(1,176,046 )	(542,509 )	(17,887 )
Gain on disposal of property, plant and equipment	(19,284 )	(354,871 )	(11,700 )
Impairment loss recognized on financial assets	1,886	99,239	3,272
Reversal of impairment loss on financial assets	(27,664 )	-	-
Impairment loss recognized on non- financial assets	1,199,970	560,383	18,476
Gain on disposal of subsidiaries	-	(5,643,773 )	(186,079 )
Net gain on foreign currency exchange	(1,333,438 )	(1,752,759 )	(57,790 )
Others	512,775	648,472	21,381
Changes in operating assets and liabilities			
Financial assets held for trading	2,708,652	1,288,958	42,498
Trade receivables	(7,049,447 )	(717,617 )	(23,660 )
Other receivables	(189,591 )	(520,774 )	(17,170 )
Inventories	1,077,286	(5,973,621 )	(196,954 )
Other current assets	(179,052 )	(501,124 )	(16,522 )
Financial liabilities held for trading	(2,044,739 )	(3,081,176 )	(101,588 )
Trade payables	3,717,681	5,273,085	173,857
Other payables	(172,266 )	(908,573 )	(29,956 )
Advance real estate receipts	(2,172,833 )	(49,878 )	(1,645 )
Other current liabilities	239,510	401,087	13,224
Other operating activities items	38,013	(161,830 )	(5,336 )
	39,017,043	37,119,554	1,223,857

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Interest received	164,867	178,833	5,896
Dividend received	4,037,857	1,917,404	63,218
Interest paid	(1,668,975 )	(1,308,597 )	(43,145 )
Income tax paid	(4,838,659 )	(4,638,195 )	(152,924 )
Net cash generated from operating activities	36,712,133	33,268,999	1,096,902

CASH FLOWS FROM INVESTING  
ACTIVITIES

Purchase of financial assets designated as at fair value through profit or loss	(52,981,180)	(45,998,990)	(1,516,617)
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(Continued)

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## ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES

## CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

(Amounts in Thousands)

(Unaudited)

For the Nine Months Ended September 30  
2016

(Retrospectively

Adjusted) 2017

NT\$

NT\$

US\$ (Note 4)

Proceeds on sale of financial assets designated as at fair value through profit or loss	\$54,592,483	\$46,243,401	\$1,524,675
Purchase of available-for-sale financial assets	(1,192,678 )	(602,648 )	(19,870 )
Proceeds on sale of available-for-sale financial assets	867,336	821,445	27,084
Cash received from return of capital by available-for-sale financial assets	28,927	-	-
Acquisition of associates and joint ventures	(15,816,463)	-	-
Net cash outflow on acquisition of subsidiaries	(73,437 )	-	-
Net cash inflow from disposal of subsidiaries	-	3,526,755	116,279
Payments for property, plant and equipment	(20,391,111)	(19,897,337)	(656,028 )
Proceeds from disposal of property, plant and equipment	129,261	1,470,792	48,493
Payments for intangible assets	(373,928 )	(236,333 )	(7,792 )
Proceeds from disposal of intangible assets	5,482	34,951	1,152
Decrease (increase) in other financial assets	(1,754,676 )	144,394	4,761
Decrease (increase) in other non-current assets	(177,245 )	13,322	439
Net cash used in investing activities	(37,137,229)	(14,480,248)	(477,424 )
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>			
Net repayment of short-term borrowings	(384,911 )	(631,277 )	(20,814 )
Repayment of short-term bills payable	(2,348,712 )	-	-
Proceeds from issue of bonds	9,000,000	8,000,000	263,765
Repayment of bonds payable	(10,365,135)	(9,123,972 )	(300,823 )
Proceeds from long-term borrowings	48,963,098	31,278,466	1,031,272
Repayment of long-term borrowings	(42,202,720)	(44,260,682)	(1,459,304)
Dividends paid	(12,243,766)	(11,214,221)	(369,740 )
Proceeds from issue of ordinary shares	-	10,290,000	339,268
Proceeds from exercise of employee share options	792,233	1,146,052	37,786
Decrease in non-controlling interests	(3,062,199 )	(246,440 )	(8,125 )
Other financing activities items	12,342	13,932	459
Net cash used in financing activities	(11,839,770)	(14,748,142)	(486,256 )

EFFECTS OF EXCHANGE RATE CHANGES ON THE BALANCE OF CASH AND CASH EQUIVALENTS	(5,324,895 )	(3,458,056 )	(114,015 )
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	(17,589,761)	582,553	19,207
CASH AND CASH EQUIVALENTS AT THE BEGINNING OF THE PERIOD	55,251,181	38,392,524	1,265,827
CASH AND CASH EQUIVALENTS AT THE END OF THE PERIOD	\$37,661,420	\$38,975,077	\$1,285,034

The accompanying notes are an integral part of the condensed consolidated financial statements. (Concluded)

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**ADVANCED SEMICONDUCTOR ENGINEERING, INC. AND SUBSIDIARIES**

**NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS FOR THE NINE MONTHS ENDED SEPTEMBER 30, 2016 AND 2017**

**(Amounts in Thousands, Unless Stated Otherwise)**

**(Unaudited)**

**1. GENERAL INFORMATION**

Advanced Semiconductor Engineering, Inc. (the “Company”), a corporation incorporated under the laws of Republic of China (the “ROC”), and its subsidiaries (collectively referred to as the “Group”) offer a comprehensive range of semiconductors packaging, testing, and electronic manufacturing services (“EMS”).

The Company’s ordinary shares are listed on the Taiwan Stock Exchange (the “TSE”) under the symbol “2311”. Since September 2000, the ordinary shares of the Company have been traded on the New York Stock Exchange (the “NYSE”) under the symbol “ASX” in the form of American Depositary Shares (“ADS”). The ordinary shares of its subsidiary, Universal Scientific Industrial (Shanghai) Co., Ltd (the “USISH”), are listed on the Shanghai Stock Exchange (the “SSE”) under the symbol “601231”.

The consolidated financial statements are presented in the Company’s functional currency, New Taiwan dollar (NT\$).

**2. APPROVAL OF FINANCIAL STATEMENTS**

The condensed consolidated financial statements were authorized for issue by the management on December 14, 2017.

**APPLICATION OF NEW AND REVISED INTERNATIONAL FINANCIAL REPORTING STANDARDS  
3. AS ISSUED BY THE INTERNATIONAL ACCOUNTING STANDARDS BOARD (“IASB”) (collectively,  
“IFRSs”)**

- a. Amendments to IFRSs that are mandatorily effective for the current year

In the current year, the Group has applied the following new, revised or amended standards and interpretations that have been issued and effective:

New, Revised or Amended Standards and Interpretations	Effective Date Issued by IASB (Note 1)
Amendments to IFRSs Annual Improvements to IFRSs: 2014-2016 Cycle	Note 2
Amendments to IAS 7 Disclosure Initiative	January 1, 2017
Amendments to IAS 12 Recognition of Deferred Tax Assets for Unrealized Losses	January 1, 2017

Note 1: The aforementioned new, revised or amended standards and interpretations are effective for annual period beginning on or after the effective dates, unless specified otherwise.

Note 2: The amendment to IFRS 12 is retrospectively applied for annual periods beginning on or after January 1, 2017; the amendment to IAS 28 is retrospectively applied for annual periods beginning on or after January 1, 2018.

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Except the adoption of Amendments to IAS 7 which can be referred to Note 34e, the Group believes that the adoption of the aforementioned new, revised or amended standards and interpretations did not have a material effect on the Group's accounting policies.

- b. New, revised or amended standards and interpretations in issue but not yet effective

The Group has not applied the following new, revised or amended standards and interpretations that have been issued but are not yet effective:

<b>New, Revised or Amended Standards and Interpretations</b>		<b>Effective Date Issued by IASB (Note)</b>
Amendments to IFRS 2	Classification and Measurement of Share-based Payment Transactions	January 1, 2018
IFRS 9	Financial Instruments	January 1, 2018
Amendments to IFRS 9 and IFRS 7	Mandatory Effective Date of IFRS 9 and Transition Disclosures	January 1, 2018
Amendments to IFRS 10 and IAS 28	Sale or Contribution of Assets between an Investor and its Associate or Joint Venture	To be determined by the IASB
IFRS 15	Revenue from Contracts with Customers	January 1, 2018
Amendments to IFRS 15	Clarifications to IFRS 15	January 1, 2018
IFRS 16	Leases	January 1, 2019
Amendments to IAS 40	Transfers of investment property	January 1, 2018
IFRIC 22	Foreign Currency Transactions and Advance Consideration	January 1, 2018
Amendments to IAS 28	Long-term Interests in Associate and Joint Venture	January 1, 2019
IFRIC 23	Uncertainty over Income Tax Treatments	January 1, 2019

Note: The aforementioned new, revised or amended standards and interpretations are effective for annual period beginning on or after the effective dates, unless specified otherwise.

- c. Significant changes in accounting policy resulted from new, revised and amended standards and interpretations in issue but not yet effective

Except for the following, the Group believes that the adoption of the aforementioned new, revised or amended standards and interpretations will not have a material effect on the Group's accounting policies. As of the date that the accompanying condensed consolidated financial statements were authorized for issue, the Group continues in evaluating the impact on its financial position and operating results as a result of the initial adoption of the below standards and interpretations. The related impact will be disclosed when the Group completes the evaluation.

#### **IFRS 9 "Financial Instruments" and related amendments**

Recognition, measurement and impairment of financial assets

With regards to financial assets, all recognized financial assets that are within the scope of IAS 39 “Financial Instruments: Recognition and Measurement” are subsequently measured at amortized cost or fair value. Under IFRS 9, the requirement for the classification of financial assets is stated below:

For the Group’s debt instruments that have contractual cash flows that are solely payments of principal and interest on the principal amount outstanding, their classification and measurement are as follows:

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For debt instruments, if they are held within a business model whose objective is to collect the contractual cash flows, the financial assets are measured at amortized cost and are assessed for impairment continuously with 1) impairment loss recognized in profit or loss, if any. Interest revenue is recognized in profit or loss by using the effective interest method;

For debt instruments, if they are held within a business model whose objective is achieved by both the collecting of contractual cash flows and the selling of financial assets, the financial assets are measured at fair value through other comprehensive income (FVTOCI) and are assessed for impairment. Interest revenue is recognized in profit or 2) loss by using the effective interest method, and other gain or loss shall be recognized in other comprehensive income, except for impairment gains or losses and foreign exchange gains and losses. When the debt instruments are derecognized or reclassified, the cumulative gain or loss previously recognized in other comprehensive income is reclassified from equity to profit or loss.

Except for above, all other financial assets are measured at fair value through profit or loss. However, the Group may make an irrevocable election to present subsequent changes in the fair value of an equity investment (that is not held for trading) in other comprehensive income, with only dividend income generally recognized in profit or loss. No subsequent impairment assessment is required, and the cumulative gains or losses previously recognized in other comprehensive income cannot be reclassified from equity to profit or loss.

#### The impairment of financial assets

IFRS 9 requires that impairment loss on financial assets is recognized by using the “Expected Credit Losses Model”. The credit loss allowance is required for financial assets measured at amortized cost, investment in debt instruments measured at FVTOCI, lease receivables, contract assets arising from IFRS 15 “Revenue from Contracts with Customers”, certain written loan commitments and financial guarantee contracts. A loss allowance for the 12-month expected credit losses is required for a financial asset if its credit risk has not increased significantly since initial recognition. A loss allowance for full lifetime expected credit losses is required for a financial asset if its credit risk has increased significantly since initial recognition and is not low. However, a loss allowance for full lifetime expected credit losses is required for trade receivables that do not constitute a financing transaction.

For purchased or originated credit-impaired financial assets, the Group takes into account the expected credit losses on initial recognition in calculating the credit-adjusted effective interest rate. Subsequently, any changes in expected losses are recognized as a loss allowance with a corresponding gain or loss recognized in profit or loss.

#### Hedge accounting

The main changes in hedge accounting amended the application requirements for hedge accounting to better reflect the entity’s risk management activities. Compared with IAS 39, the main changes include: (1) enhancing types of transactions eligible for hedge accounting, specifically broadening the risk eligible for hedge accounting of

non-financial items; (2) changing the way hedging cost of derivative instruments are accounted for to reduce profit or loss volatility; and (3) replacing retrospective effectiveness assessment with the principle of economic relationship between the hedging instrument and the hedged item.

### Transition

Financial instruments that have been derecognized prior to the effective date of IFRS 9 cannot be reversed to apply IFRS 9 when it becomes effective. Under IFRS 9, the requirements for classification, measurement and impairment of financial assets are applied retrospectively with the difference between the previous carrying amount and the carrying amount at the date of initial application recognized in the current period and restatement of prior periods is not required. The

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requirements for general hedge accounting shall be applied prospectively and the accounting for hedging options shall be applied retrospectively.

### **Amendments to IFRS 10 and IAS 28 “Sale or Contribution of Assets between an Investor and its Associate or Joint Venture”**

The amendments stipulated that, when the Group sells or contributes assets that constitute a business (as defined in IFRS 3) to an associate or joint venture, the gain or loss resulting from the transaction is recognized in full. Also, when the Group loses control over a subsidiary that contains a business but retains significant influence or joint control, the gain or loss resulting from the transaction is recognized in full.

Conversely, when the Group sells or contributes assets that do not constitute a business to an associate or joint venture, the gain or loss resulting from the transaction is recognized only to the extent of the unrelated investors' interest in the associate or joint venture, i.e. the Group's share of the gain or loss is eliminated. Also, when the Group loses control over a subsidiary that does not contain a business but retains significant influence or joint control in an associate or a joint venture, the gain or loss resulting from the transaction is recognized only to the extent of the unrelated investors' interest in the associate or joint venture, i.e. the Group's share of the gain or loss is eliminated.

### **IFRS 15 “Revenue from Contracts with Customers” and related amendments**

IFRS 15 establishes principles for recognizing revenue that apply to all contracts with customers, and will supersede IAS 18 “Revenue”, IAS 11 “Construction Contracts” and a number of revenue-related interpretations.

When applying IFRS 15, an entity shall recognize revenue by applying the following steps:

- Identify the contract with the customer;
- Identify the performance obligations in the contract;
- Determine the transaction price;
- Allocate the transaction price to the performance obligations in the contracts; and

— Recognize revenue when the Group satisfies a performance obligation.

The Group will adopt IFRS 15 and related amendments starting from January 1, 2018, including retrospective application to all contracts that are not yet complete as of January 1, 2018, and anticipate to apply the modified retrospective transition method. Under the modified retrospective transition method, the Group will recognize the cumulative effect of applying IFRS 15 and related amendments as an adjustment to the opening balance of retained earnings as at the date of initial application. The comparative financial statements of prior periods will be retained as reported under the previous standards.

Presented below is the status of the process we have utilized for the adoption of IFRS 15 and related amendments and the significant implementation matters addressed:

The Group established a global cross-functional project management implementation team to assess all potential impacts of this standard.

The Group is reviewing current accounting policies and practices in each reporting segment to identify potential differences that would result from the application of this standard.

Customers and contracts were identified.

Evaluation of the contract provisions and the comparison of historical accounting policies and practices to the requirements of the new standard is in process, including the related qualitative disclosures regarding the potential impact of the effects of the accounting policies we expect to apply and a comparison to our current revenue recognition policies. We expect to complete this process prior to December 31, 2017.

While the evaluation of the impact is still in process, based on our preliminary evaluation, IFRS 15 and related amendments may result in a change to the timing of revenue recognition; however, such change is not expected to have a material quantitative impact on the Group's consolidated financial statements.

### **IFRS 16 “Leases”**

IFRS 16 sets out the accounting standards for leases that will supersede IAS 17 and a number of related interpretations.

Under IFRS 16, if the Group is a lessee, it shall recognize right-of-use assets and lease liabilities for all leases on the consolidated balance sheets except for low-value and short-term leases. The Group may elect to apply the accounting method similar to the accounting for operating lease under IAS 17 to the low-value and short-term leases. On the consolidated statements of comprehensive income, the Group should present the depreciation expense charged on the right-of-use asset separately from interest

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expense accrued on the lease liability; interest is computed by using effective interest method. On the consolidated statements of cash flows, cash payments for the principal portion of the lease liability are classified within financing activities; cash payments for interest portion are classified within operating activities.

The application of IFRS 16 is not expected to have a material impact on the accounting of the Group as lessor.

When IFRS 16 becomes effective, the Group may elect to apply this Standard either retrospectively to each prior reporting period presented or retrospectively with the cumulative effect of the initial application of this Standard recognized at the date of initial application.

#### **4. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

##### **a. Statement of Compliance**

The condensed consolidated financial statements have been prepared in accordance with IAS 34 “Interim Financial Reporting”. The condensed consolidated financial statements are not subject to qualification relating to the application of IFRSs.

The consolidated financial statements are condensed as they do not include all of the information required for a complete set of annual financial statements, and they should be read in conjunction with the Group’s annual audited consolidated financial statements and related notes thereto for the year ended December 31, 2016 prepared in accordance with IFRSs.

##### **b. Basis of Consolidation**

###### The basis for the condensed consolidated financial statements

The basis applied in these condensed consolidated financial statements is consistent with those applied in the consolidated financial statements for the year ended December 31, 2016.

###### The subsidiaries in the condensed consolidated financial statements

Subsidiaries included in the condensed consolidated financial statements were as follows:

Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31, 2016	September 30, 2017
A.S.E. Holding Limited	Holding company	Bermuda	100.0	100.0
J & R Holding Limited ("J&R Holding")	Holding company	Bermuda	100.0	100.0
Innosource Limited	Holding company	British Virgin Islands	100.0	100.0
Omniquest Industrial Limited	Holding company	British Virgin Islands	100.0	100.0
ASE Marketing & Service Japan Co., Ltd.	Engaged in marketing and sales services	Japan	100.0	100.0
ASE Test, Inc.	Engaged in the testing of semiconductors	Kaohsiung, ROC	100.0	100.0
USI Inc. ("USIINC")	Engaged in investing activity	Nantou, ROC	99.2	99.2
Luchu Development Corporation	Engaged in the development of real estate properties	Taipei, ROC	86.1	86.1
TLJ Intertech Inc. ("TLJ")	Engaged in information software services	Taipei, ROC	60.0	60.0
Alto Enterprises Limited	Holding company	British Virgin Islands	100.0	100.0
Super Zone Holdings Limited (Continued)	Holding company	Hong Kong	100.0	100.0

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Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31, 2016	September 30, 2017
ASE (Kun Shan) Inc.	Engaged in the packaging and testing of semiconductors	Kun Shan, China	100.0	100.0
ASE Investment (Kun Shan) Limited	Holding company	Kun Shan, China	100.0	100.0
Advanced Semiconductor Engineering (China) Ltd.	Will engage in the packaging and testing of semiconductors	Shanghai, China	100.0	100.0
ASE Investment (Labuan) Inc.	Holding company	Malaysia	100.0	100.0
ASE Test Limited (“ASE Test”)	Holding company	Singapore	100.0	100.0
ASE (Korea) Inc.	Engaged in the packaging and testing of semiconductors	Korea	100.0	100.0
J&R Industrial Inc.	Engaged in leasing equipment and investing activity	Kaohsiung, ROC	100.0	100.0
ASE Japan Co., Ltd.	Engaged in the packaging and testing of semiconductors	Japan	100.0	100.0
ASE (U.S.) Inc.	After-sales service and sales support	U.S.A.	100.0	100.0
Global Advanced Packaging Technology Limited	Holding company	British Cayman Islands	100.0	100.0
ASE WeiHai Inc.	Engaged in the packaging and testing of semiconductors	Shandong, China	100.0	100.0
Suzhou ASEN Semiconductors Co., Ltd. (“ASEN”)	Engaged in the packaging and testing of semiconductors	Suzhou, China	60.0	60.0
Anstock Limited	Engaged in financing activity	British Cayman Islands	100.0	100.0
Anstock II Limited	Engaged in financing activity	British Cayman Islands	100.0	100.0
ASE Module (Shanghai) Inc.	Absorbed by ASE (Shanghai) Inc. in February 2017	Shanghai, China	100.0	-
ASE (Shanghai) Inc.	Engaged in the production of substrates	Shanghai, China	100.0	100.0
ASE Corporation	Holding company	British Cayman Islands	100.0	100.0
ASE Mauritius Inc.	Holding company	Mauritius	100.0	100.0
ASE Labuan Inc.	Holding company	Malaysia	100.0	100.0
Shanghai Ding Hui Real Estate Development Co., Ltd.	Engaged in the development, construction and sale of real estate properties	Shanghai, China	100.0	100.0
Shanghai Ding Qi Property Management Co., Ltd.	Engaged in the management of real estate properties	Shanghai, China	100.0	100.0
Advanced Semiconductor Engineering (HK) Limited	Engaged in the trading of substrates	Hong Kong	100.0	100.0
		Shanghai, China	100.0	100.0

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Shanghai Ding Wei Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties			
Shanghai Ding Yu Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Shanghai, China	100.0	100.0
Shanghai Ding Fan Department Store Co., Ltd.	Engaged in department store business	Shanghai, China	100.0	100.0
Kun Shan Ding Yue Real Estate Development Co., Ltd. (“KSDY”)	Engaged in the development, construction and leasing of real estate properties and was disposed of in June 2017 (Note 29)	Kun Shan, China	100.0	-
Kun Shan Ding Hong Real Estate Development Co., Ltd.	Engaged in the development, construction and leasing of real estate properties	Kun Shan, China	100.0	100.0
Shanghai Ding Xu Property management Co., Ltd.	Engaged in the management of real estate properties, and was established in August 2017	Shanghai, China	-	100.0
ASE Electronics Inc.	Engaged in the production of substrates	Kaohsiung, ROC	100.0	100.0
ASE Test Holdings, Ltd.	Holding company	British Cayman Islands	100.0	100.0
ASE Holdings (Singapore) Pte. Ltd	Holding company	Singapore	100.0	100.0
ASE Singapore Pte. Ltd.	Engaged in the packaging and testing of semiconductors	Singapore	100.0	100.0
ISE Labs, Inc.	Engaged in the testing of semiconductors	U.S.A.	100.0	100.0
ASE Electronics (M) Sdn. Bhd.	Engaged in the packaging and testing of semiconductors	Malaysia	100.0	100.0
ASE Assembly & Test (Shanghai) Limited	Engaged in the packaging and testing of semiconductors	Shanghai, China	100.0	100.0
ASE Trading (Shanghai) Ltd.	Engaged in trading activity	Shanghai, China	100.0	100.0

(Continued)

Name of Investee	Main Businesses	Establishment and Operating Location	Percentage of Ownership (%)	
			December 31, 2016	September 30, 2017
Wuxi Tongzhi Microelectronics Co., Ltd.	Engaged in the packaging and testing of semiconductors	Wuxi, China	100.0	100.0
Huntington Holdings International Co., Ltd.	Holding company	British Virgin Islands	99.2	99.2
Unitech Holdings International Co., Ltd.	Holding company	British Virgin Islands	99.2	99.2
Real Tech Holdings Limited	Holding company	British Virgin Islands	99.2	99.2
Universal ABIT Holding Co., Ltd.	In the process of liquidation	British Cayman Islands	99.2	99.2
Rising Capital Investment Limited	Holding company	British Virgin Islands	99.2	99.2
Rise Accord Limited	Holding company	British Virgin Islands	99.2	99.2
Universal Scientific Industrial (Kunshan) Co., Ltd.	Engaged in the manufacturing and sale of computer assistance system and related peripherals	Kun Shan, China	99.2	99.2
USI Enterprise Limited (“USIE”)	Engaged in the service of investment advisory and warehousing management	Hong Kong	97.0	97.0
USISH	Engaged in the designing, manufacturing and sale of electronic components	Shanghai, China	75.9	75.9
Universal Global Technology Co., Limited	Holding company	Hong Kong	75.9	75.9
Universal Global Technology (Kunshan) Co., Ltd.	Engaged in the designing and manufacturing of electronic components	Kun Shan, China	75.9	75.9
Universal Global Technology (Shanghai) Co., Ltd.	Engaged in the processing and sales of computer and communication peripherals as well as business in import and export of goods and technology	Shanghai, China	75.9	75.9
Universal Global Electronics (Shanghai) Co., Ltd.	Engaged in the sale of electronic components and telecommunications equipment	Shanghai, China	75.9	75.9
Universal Global Industrial Co., Limited	Engaged in manufacturing, trading and investing activity	Hong Kong	75.9	75.9
Universal Global Scientific Industrial Co., Ltd. (“UGTW”)	Engaged in the manufacturing of components of telecomm and cars and provision of related R&D services	Nantou, ROC	75.9	75.9
USI America Inc.	Engaged in the manufacturing and processing of motherboards and wireless network communication and provision of related technical service.	U.S.A.	75.9	75.9



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Universal Scientific Industrial De Mexico S.A. De C.V.	Engaged in the assembling of motherboards and computer components	Mexico	75.9	75.9
USI Japan Co., Ltd.	Engaged in the manufacturing and sale of computer peripherals, integrated chip and other related accessories	Japan	75.9	75.9
USI Electronics (Shenzhen) Co., Ltd.	Engaged in the design, manufacturing and sale of motherboards and computer peripherals	Shenzhen, China	75.9	75.9
Universal Scientific Industrial Co., Ltd. (“USI”)	Engaged in the manufacturing, processing and sale of computers, computer peripherals and related accessories	Nantou, ROC	75.2	75.7

(Concluded)

c. Other significant accounting policies

Except for the following, the accounting policies applied in these condensed consolidated financial statements are consistent with those applied in the Group’s consolidated financial statements for the year ended December 31, 2016.

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1) Investment properties

Investment properties are properties held to earn rentals (including property under construction for such purposes).

Investment properties are measured initially at cost, including transaction costs. Subsequent to initial recognition, investment properties are measured at cost less accumulated depreciation and accumulated impairment loss. Depreciation is recognized using the straight-line method.

Investment properties under construction are stated at cost less accumulated depreciation and accumulated impairment loss. Cost includes professional fees and, borrowing costs eligible for capitalization. Depreciation of these assets commences when the assets are ready for their intended use.

On derecognition of an investment property, the difference between the net disposal proceeds and the carrying amount of the asset is included in profit or loss.

2) Retirement benefits

Pension cost for an interim period is calculated on a year-to-date basis by using the actuarially determined pension cost rate at the end of the prior financial year, adjusted for significant market fluctuations since that time and for significant plan amendments, settlements, or other significant one-off events.

3) Taxation

Income tax expense represents the sum of the tax currently payable and deferred tax. Interim period income taxes are assessed on an annual basis and calculated by applying to an interim period's pre-tax income the tax rate that would be applicable to expected total annual earnings.

d. U.S. Dollar Amounts

A translation of the condensed consolidated financial statements into U.S. dollars is included solely for the convenience of the readers, and has been translated from New Taiwan dollar (NT\$) at the exchange rate as set forth in the statistical release by the U.S. Federal Reserve Board of the United States, which was NT\$30.33 to US\$1.00 as of September 30, 2017. The translation should not be construed as a representation that the NT\$ amounts have been, could have been, or could in the future be, converted into U.S. dollars at this or any other rate of exchange.

**5. CRITICAL ACCOUNTING JUDGMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY**

The same critical accounting judgments and key sources of estimation uncertainty of the consolidated financial statements have been followed in these condensed consolidated financial statements as were applied in the preparation of the Group's consolidated financial statements for the year ended December 31, 2016.

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**6. CASH AND CASH EQUIVALENTS**

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Cash on hand	\$6,856	\$6,356	\$210
Checking accounts and demand deposits	28,823,763	24,732,302	815,440
Cash equivalent	9,561,905	14,236,419	469,384
	<b>\$38,392,524</b>	<b>\$38,975,077</b>	<b>\$1,285,034</b>

Cash equivalents include time deposits that are of a short maturity of three months or less from the date of acquisitions, and are highly liquid, readily convertible to known amounts in cash and the risk of changes in values is insignificant. Cash equivalents are held for the purpose of meeting short-term cash commitments rather than for investments or other purposes.

**7. FINANCIAL INSTRUMENTS AT FAIR VALUE THROUGH PROFIT OR LOSS**

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Financial assets designated as at FVTPL			
Private-placement convertible bonds	\$100,583	\$100,570	\$3,316
Financial assets held for trading			
Quoted shares	1,855,073	2,306,794	76,056
Open-end mutual funds	584,945	588,118	19,391
Swap contracts	462,339	299,677	9,881
Forward exchange contracts	66,872	44,741	1,475
	<b>2,969,229</b>	<b>3,239,330</b>	<b>106,803</b>
	<b>\$3,069,812</b>	<b>\$3,339,900</b>	<b>\$110,119</b>
Financial liabilities held for trading			
Swap contracts	\$422,934	\$747,465	\$24,644

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Forward exchange contracts	108,912	56,460	1,862
Foreign currency option contracts	17,924	-	-
Conversion option, redemption option and put option of convertible bonds (Note 20)	1,213,890	-	-
	\$1,763,660	\$803,925	\$26,506

Private-placement convertible bonds included embedded derivative instruments which are not closely related to the host contracts and the Group designated the entire contracts as financial assets at FVTPL on initial recognition.

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At each balance sheet date, the outstanding swap contracts not accounted for hedge accounting were as follows:

<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2016		
Sell NT\$/Buy US\$	2017.01-2017.12	NT\$59,797,499/US\$1,871,000
Sell US\$/Buy CNY	2017.03	US\$49,904/CNY349,800
Sell US\$/Buy JPY	2017.02	US\$77,153/JPY8,600,000
Sell US\$/Buy NT\$	2017.01	US\$61,000/NT\$1,958,908

September 30, 2017

Sell EUR/Buy US\$	2017.10	EUR1,885/US\$2,265
Sell NT\$/Buy US\$	2017.10-2018.09	NT\$60,432,586/US\$1,997,400
Sell US\$/Buy CNY	2017.10	US\$53,544/CNY349,800
Sell US\$/Buy JPY	2017.10-2017.11	US\$75,667/JPY8,380,000
Sell US\$/Buy NT\$	2017.10	US\$144,040/NT\$4,332,087

At each balance sheet date, the outstanding forward exchange contracts not accounted for hedge accounting were as follow:

<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2016		
Sell NT\$/Buy US\$	2017.01-2017.02	NT\$2,842,330/US\$90,000
Sell US\$/Buy CNY	2017.01-2017.02	US\$70,000/CNY484,805
Sell US\$/Buy JPY	2017.01-2017.02	US\$43,877/JPY5,063,820
Sell US\$/Buy KRW	2017.01	US\$35,000/KRW41,012,700
Sell US\$/Buy MYR	2017.01-2017.02	US\$19,000/MYR84,544
Sell US\$/Buy NT\$	2017.01-2017.03	US\$190,000/NT\$6,099,400
Sell US\$/Buy SGD	2017.01-2017.03	US\$12,900/SGD18,080
Sell US\$/Buy EUR	2017.01	US\$281/EUR270

September 30, 2017

Sell NT\$/Buy US\$	2017.10-2017.11	NT\$3,296,070/US\$110,000
Sell US\$/Buy CNY	2017.10-2017.12	US\$101,800/CNY672,969
Sell US\$/Buy JPY	2017.10-2017.11	US\$37,761/JPY4,163,602
Sell US\$/Buy KRW	2017.10	US\$5,000/KRW5,650,100
Sell US\$/Buy MYR	2017.10-2017.11	US\$7,000/MYR30,090
Sell US\$/Buy NT\$	2017.10	US\$75,800/NT\$2,293,351
Sell US\$/Buy SGD	2017.10-2017.11	US\$9,400/SGD12,734

At each balance sheet date, the outstanding foreign currency option contracts not accounted for hedge accounting were as follows:

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<b>Currency</b>	<b>Maturity Period</b>	<b>Notional Amount (In Thousands)</b>
December 31, 2016		
Buy US\$ Call/CNY Put	2017.08 (Note)	US\$2,000/CNY13,800
Sell US\$ Put/CNY Call	2017.08 (Note)	US\$1,000/CNY6,900

The contracts will be settled once a month and the counterparty has the right to early terminate the contracts, or Note: the contracts will be early terminated or both parties will have no obligation to settle the contracts when specific criteria are met.

### 8. AVAILABLE-FOR-SALE FINANCIAL ASSETS

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Unquoted ordinary shares	\$553,350	\$579,223	\$19,097
Limited partnership	273,372	263,147	8,676
Open-end mutual funds	243,458	23,175	764
Quoted ordinary shares	146,786	261,924	8,636
Unquoted preferred shares	78,068	64,734	2,135
	1,295,034	1,192,203	39,308
Current	266,696	80,239	2,646
Non-current	\$1,028,338	\$1,111,964	\$36,662

### 9. TRADE RECEIVABLES, NET

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Trade receivables	\$51,199,266	\$51,916,883	\$1,711,733
Less: Allowance for doubtful debts	53,709	86,812	2,862
Trade receivables, net	\$51,145,557	\$51,830,071	\$1,708,871



a.

Trade receivables

The Group's average credit terms were 30 to 90 days. Allowance for doubtful debts is assessed by reference to the collectability of receivables by evaluating the account aging, historical experience and current financial condition of customers.

As of December 31, 2016 and September 30, 2017, except that the Group's five largest customers accounted for 30% and 34% of accounts receivable, respectively, the concentration of credit risk is insignificant for the remaining accounts receivable.

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Aging of receivables based on the past due date

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Not past due	\$45,959,876	\$47,648,820	\$1,571,013
1 to 30 days	4,467,435	3,694,261	121,802
31 to 90 days	700,122	469,467	15,478
More than 91 days	71,833	104,335	3,440
<b>Total</b>	<b>\$51,199,266</b>	<b>\$51,916,883</b>	<b>\$1,711,733</b>

Aging of receivables that were past due but not impaired

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
1 to 30 days	\$4,449,479	\$3,667,348	\$120,915
31 to 90 days	596,647	328,895	10,844
<b>Total</b>	<b>\$5,046,126</b>	<b>\$3,996,243</b>	<b>\$131,759</b>

Except for those impaired, the Group had not provided an allowance for doubtful debts on trade receivables at each balance sheet date since there has not been a significant change in credit quality and the amounts were still considered collectible. The Group did not hold any collateral or other credit enhancements over these balances nor did it have a legal right to offset against any amounts owed by the Group to counterparties.

Movement of the allowance for doubtful trade receivables

<b>Impaired Individually</b>	<b>Impaired Collectively</b>	<b>Total</b>
NT\$	NT\$	NT\$

Balance at January 1, 2016	\$ 39,046	\$ 43,860	\$82,906
Impairment losses recognized (reversed)	(29,013 )	1,349	(27,664)
Effect of foreign currency exchange difference	(691 )	(289 )	(980 )
Balance at September 30, 2016	\$ 9,342	\$ 44,920	\$54,262
Balance at January 1, 2017	\$ 16,453	\$ 37,256	\$53,709
Impairment losses recognized	11,084	24,683	35,767
Effect of foreign currency exchange difference	(741 )	(1,923 )	(2,664 )
Balance at September 30, 2017	\$ 26,796	\$ 60,016	\$86,812

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	<b>Impaired Individually</b>	<b>Impaired Collectively</b>	Total
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
Balance at January 1, 2017	\$ 543	\$ 1,228	\$1,771
Impairment losses recognized	365	814	1,179
Effect of foreign currency exchange difference	(25 )	(63 )	(88 )
Balance at September 30, 2017	\$ 883	\$ 1,979	\$2,862

b. Transfers of financial assets

Except those factored receivables of US\$41,849 thousand in prior years have been collected by Citi Bank during the nine months ended September 30, 2016, there was no receivables factored nor advances received for the nine months ended September 30, 2016 and 2017, respectively. The credit lines under the factoring agreements with Citi Bank were both US\$66,000 thousand for the nine months ended September 30, 2016 and 2017.

Pursuant to the factoring agreement, losses from commercial disputes (such as sales returns and discounts) should be borne by the Company, while losses from credit risk should be borne by the banks. The Company also issued promissory notes to the banks for commercial disputes which remained undrawn since. The promissory notes both amounted to US\$2,000 thousand as of December 31, 2016 and September 30, 2017. As of September 30, 2017, there was no significant losses from commercial disputes in the past and the Company does not expect any significant commercial dispute losses in the foreseeable future.

**10. INVENTORIES**

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	US\$ (Note 4)
	NT\$	NT\$	
Finished goods	\$6,519,465	\$7,201,767	\$237,447
Work in process	2,822,687	4,829,192	159,222
Raw materials	10,850,062	13,147,432	433,479
Supplies	795,093	942,167	31,064
Raw materials and supplies in transit	450,755	651,105	21,467
	\$21,438,062	\$26,771,663	\$882,679

The cost of inventories recognized as operating costs for the nine months ended September 30, 2016 and 2017 were NT\$158,494,249 thousand (retrospectively adjusted) and NT\$168,241,535 thousand (US\$5,547,034 thousand), respectively, which included write-down of inventories at NT\$313,124 thousand and NT\$274,917 thousand (US\$9,064 thousand), respectively.

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## 11. INVENTORIES RELATED TO REAL ESTATE BUSINESS

	<b>December 31,</b>	<b>September 30,</b>	
	<b>2016</b>	<b>2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Land and buildings held for sale	\$263,526	\$110,174	\$3,632
Construction in progress	22,236,464	8,696,393	286,726
Land held for construction	1,687,525	1,687,525	55,639
	<b>\$24,187,515</b>	<b>\$10,494,092</b>	<b>\$345,997</b>

Land and buildings held for sale located in Kun Shan Qiangdeng and Shanghai Zhangjiang, China were completed and successively sold. Construction in progress is mainly located on Hutai Road in Shanghai, China and Lidu Road in Kun Shan, China. The capitalized borrowing costs for the nine months ended September 30, 2016 and 2017 are disclosed in Note 24.

Construction in progress located on Caobao Road in Shanghai was completed in the third quarter of 2017 and immediately leased out for the lease business. As a result, the Group reclassified those buildings and land use right under the line item of “inventories related to real estate - construction in progress” to investment properties of NT\$6,971,372 thousand (US\$229,851 thousand) and long-term prepayments of NT\$5,798,449 thousand (US\$191,179 thousand), respectively. Please refer to Note 15.

As of December 31, 2016 and September 30, 2017, inventories related to real estate business of NT\$12,076,154 thousand and NT\$10,482,554 thousand (US\$345,617 thousand), respectively, are expected to be recovered longer than twelve months.

Refer to Note 36 for the carrying amount of inventories related to real estate business that had been pledged by the Group to secure bank borrowings.

## 12. OTHER FINANCIAL ASSETS

<b>December 31,</b>	<b>September 30,</b>
<b>2016</b>	<b>2017</b>
NT\$	NT\$

			US\$ (Note 4)
Unsecured subordinate corporate bonds	\$1,000,000	\$1,000,000	\$32,971
Time deposits with original maturity over three months	480,736	503,276	16,593
Guarantee deposits	178,103	161,093	5,311
Pledged time deposits (Note 36)	206,530	63,099	2,080
Others (Note 36)	13,698	7,205	238
	1,879,067	1,734,673	57,193
Current	558,686	569,419	18,774
Non-current	\$1,320,381	\$1,165,254	\$38,419

The annual interest rate of unsecured subordinate corporate bonds was both 3.50 % as of December 31, 2016 and September 30, 2017.

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**13. INVESTMENTS ACCOUNTED FOR USING THE EQUITY METHOD**

	<b>December 31,</b>		
	<b>2016</b>	September 30, 2017	
	<b>(Retrospectively Adjusted)</b>		
	NT\$	NT\$	US\$ (Note 4)
Investments in associates	\$ 49,154,140	\$48,386,594	\$ 1,595,337
Investments in joint ventures	670,550	539,679	17,794
	\$ 49,824,690	\$48,926,273	\$ 1,613,131
a.			Investments in associates

- 1) Investments in associates accounted for using the equity method consisted of the following:

Name of Associate	Main Business	Location	Carrying Amount		
			December 31, 2016	September 30, 2017	US\$ (Note 4)
		Operating	2016 (Retrospectively Adjusted)	2017 (Retrospectively Adjusted)	
			NT\$	NT\$	
Material associate Siliconware Precision Industries Co., Ltd. ("SPIL")	Engaged in assembly, testing and turnkey services of integrated circuits	ROC	\$45,898,225	\$45,291,485	\$ 1,493,290
Associates that are not individually material					
Deca Technologies Inc. "DECA"	Holding company and the group engaged in manufacturing, development and marketing of wafer level packaging and interconnect technology	British Cayman Islands	1,813,677	1,641,440	54,119
Hung Ching Development & Construction Co. ("HC")	Engaged in the development, construction and leasing of real estate properties	ROC	1,156,833	1,218,475	40,174
Hung Ching Kwan Co. ("HCK")	Engaged in the leasing of real estate properties	ROC	321,120	312,567	10,305
Advanced Microelectronic Products Inc. ("AMPI")	Engaged in integrated circuit	ROC	264,434	222,776	7,345



	49,454,289	48,686,743	1,605,233
Less: Deferred gain on transfer of land	300,149	300,149	9,896
	\$49,154,140	\$48,386,594	\$1,595,337

2) At each balance sheet date, the percentages of ownership held by the Group were as follows:

	<b>December 31, 2016</b>	<b>September 30, 2017</b>		
SPIL	33.29 %	33.29 %		
DECA	22.07 %	22.07 %		
HC	26.22 %	26.22 %		
HCK	27.31 %	27.31 %		
AMPI	38.76 %	38.76 %		

In July 2016, the Company acquired 98,490 thousand preferred shares issued by DECA at US\$0.608 per share with a total consideration of NT\$1,934,062 thousand. The percentage of ownership was 22.07% and the Company 3)obtained significant influence over DECA. In addition, the Company's subsidiary, ASE Test, Inc., purchased 90,000 thousand ordinary share of AMPI in a private placement with NT\$225,000 thousand paid in cash in November 2016. The private-placement ordinary shares were all restricted for disposal during a 3-year lock-up period.

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The Group has successively completed the identification of the difference between the cost of the investments and the Company's share of the net fair value of DECA and AMPI's identifiable assets and liabilities in the second 4)quarter and the third quarter in 2017. Therefore, the Group has retrospectively adjusted the comparative consolidated financial statements for prior periods. As of December 31, 2016, the retrospective adjustments are summarized as follows:

	After Retrospectively Adjusted NT\$	Before Retrospectively Adjusted NT\$
Investments accounted for using the equity method		
December 31, 2016		
DECA	\$ 1,813,677	\$ 1,820,329
AMPI	\$ 264,434	\$ 266,085

The aforementioned retrospective adjustments are accordingly recorded as a decrease of retained earnings as of December 31, 2016.

5) Fair values (Level 1 inputs in terms of IFRS 13) of investments in associates with available published price quotation are summarized as follows:

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
SPIL	\$49,634,805	\$50,257,185	\$1,657,012
HC	\$1,310,829	\$1,317,692	\$43,445
AMPI	\$307,038	\$556,121	\$18,336

6) Summarized financial information in respect of the Group's material associate

The summarized financial information below represents amounts shown in SPIL's consolidated financial statements prepared in accordance with IFRSs and adjusted by the Group for equity accounting purposes.

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)

Current assets	\$50,451,295	\$46,610,073	\$1,536,765
Non-current assets	107,573,251	105,401,342	3,475,151
Current liabilities	(41,088,439 )	(38,262,801 )	(1,261,550)
Non-current liabilities	(17,518,410 )	(16,153,506 )	(532,592 )
Equity	\$99,417,697	\$97,595,108	\$3,217,774
Proportion of the Group's ownership interest in SPIL	33.29	% 33.29	% 33.29 %
Net assets attributable to the Group	\$33,096,151	\$32,489,411	\$1,071,197
Goodwill	12,802,074	12,802,074	422,093
Carrying amount	\$45,898,225	\$45,291,485	\$1,493,290

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	For the Nine Months Ended September 30		
	2016	2017	
	NT\$	NT\$	US\$ (Note 4)
Operating revenue	\$62,934,405	\$61,931,600	\$2,041,925
Gross profit	\$10,886,891	\$9,066,839	\$298,940
Profit before income tax	\$5,057,322	\$3,503,617	\$115,517
Net profit for the period	\$4,018,435	\$2,554,429	\$84,221
Other comprehensive income(loss) for the period	(1,518,518 )	1,091,109	35,975
Total comprehensive income for the period	\$2,499,917	\$3,645,538	\$120,196
Cash dividends received from SPIL	\$3,941,740	\$1,815,275	\$59,851

## 7) Aggregate information of associates that are not individually material

	For the Nine Months Ended September 30		
	2016	2017	
	NT\$	NT\$	US\$ (Note 4)
The Group's share of:			
Net loss for the period	\$(13,186)	\$(132,933)	\$(4,383)
Other comprehensive income (loss) for the period	(37,574)	44,279	1,460
Total comprehensive loss for the period	\$(50,760)	\$(88,654 )	\$(2,923)

The investments accounted for using the equity method and the share of profit or loss and other comprehensive income or loss of the investments in associates for the nine months ended September 30, 2016 and 2017 was based on the associates' financial statements prepared in accordance with IFRSs and adjusted by the Group for equity method accounting purposes.

## b. Investments in joint ventures

The joint venture that was not individually material and accounted for using the equity method was the Group's investment in ASE Embedded Electronics Inc. ("ASEEE"). In May 2015, the Group and TDK Corporation ("TDK") entered into an agreement to establish a joint venture to invest in ASEEE. The Group additionally participated in ASEEE's cash capital increase with NT\$146,903 thousand in September 2016. As of December 31, 2016 and 1) September 30, 2017, the percentages of ownership were both 51%. ASEEE are located in ROC and engages in the production of embedded substrate. According to the joint arrangement, the Group and TDK must act together to direct the relevant operating activities and, as a result, the Group does not control ASEEE. The investment in ASEEE is accounted for using the equity method.

2) Aggregate information of the joint venture that is not individually material

	For the Nine Months Ended September 30		
	2016	2017	
	NT\$	NT\$	US\$ (Note 4)
The Group's share of net loss and total comprehensive loss for the period	\$(57,252)	\$(131,154)	\$(4,324)

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The investments accounted for using the equity method and the share of loss and other comprehensive loss as of and 3) for the nine months ended September 30, 2016 and 2017, respectively, were based on the joint venture's financial statements prepared in accordance with IFRSs and adjusted by the Group for equity method accounting purposes.

#### 14. PROPERTY, PLANT AND EQUIPMENT

The carrying amounts of each class of property, plant and equipment were as follows:

	December 31, September 30,		US\$ (Note 4)
	2016	2017	
	NT\$	NT\$	
Land	\$3,365,013	\$3,274,238	\$107,954
Buildings and improvements	58,028,631	59,075,082	1,947,744
Machinery and equipment	72,700,762	68,825,847	2,269,233
Other equipment	2,089,581	1,658,113	54,670
Construction in progress and machinery in transit	7,696,254	4,148,701	136,785
	\$143,880,241	\$136,981,981	\$4,516,386

For the nine months ended September 30, 2016

	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Cost						
Balance at January 1, 2016	\$3,381,300	\$94,447,932	\$243,283,607	\$7,722,408	\$6,397,760	\$355,233,007
Additions	-	(19,825 )	100,380	76,145	21,128,121	21,284,821
Disposals	-	(387,024 )	(8,033,648 )	(84,143 )	(215,773 )	(8,720,588 )
Reclassification	-	3,316,244	14,388,566	594,599	(18,299,584)	(175 )
Acquisitions through business combinations	-	-	-	1,159	-	1,159
Effect of foreign currency exchange differences	(41,497 )	(2,534,611 )	(4,762,613 )	(194,188 )	(42,550 )	(7,575,459 )
	\$3,339,803	\$94,822,716	\$244,976,292	\$8,115,980	\$8,967,974	\$360,222,765

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Balance at September 30,  
2016

Accumulated depreciation  
and impairment

Balance at January 1, 2016	\$-	\$34,646,878	\$164,568,298	\$5,907,414	\$113,342	\$205,235,932
Depreciation expense	-	3,845,108	17,236,723	612,940	-	21,694,771
Impairment losses recognized	-	620	876,153	5,564	4,509	886,846
Disposals	-	(332,480 )	(7,790,959 )	(76,588 )	(100,049 )	(8,300,076 )
Reclassification	-	(5,200 )	2,979	2,221	-	-
Acquisitions through business combinations	-	-	-	824	-	824
Effect of foreign currency exchange differences	-	(1,008,288 )	(3,316,339 )	(177,831 )	(1,929 )	(4,504,387 )
Balance at September 30, 2016	\$-	\$37,146,638	\$171,576,855	\$6,274,544	\$15,873	\$215,013,910

For the nine months ended September 30, 2017

	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Cost						
Balance at January 1, 2017	\$3,365,013	\$96,258,175	\$248,200,756	\$8,474,661	\$7,713,542	\$364,012,147
Additions	-	293,069	78,465	78,411	18,135,298	18,585,243
Disposals	-	(535,891 )	(7,760,212 )	(646,613 )	(35,652 )	(8,978,368 )
Reclassification	(35,965 )	5,899,415	15,099,085	141,871	(22,235,980)	(1,131,574 )
Effect of foreign currency exchange differences	(54,810 )	(2,059,053 )	(4,261,996 )	(167,199 )	571,493	(5,971,565 )
Balance at September 30, 2017	\$3,274,238	\$99,855,715	\$251,356,098	\$7,881,131	\$4,148,701	\$366,515,883

(Continued)

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	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery  in transit	Total
	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$
Accumulated depreciation and impairment						
Balance at January 1, 2017	\$-	\$38,229,544	\$175,499,994	\$6,385,080	\$17,288	\$220,131,906
Depreciation expense	-	3,866,133	16,958,075	585,491	-	21,409,699
Impairment losses recognized	-	2,310	282,788	368	-	285,466
Disposals	-	(419,294 )	(6,839,759 )	(603,097 )	(17,288 )	(7,879,438 )
Reclassification	-	(210,046 )	24,625	(14,324 )	-	(199,745 )
Effect of foreign currency exchange differences	-	(688,014 )	(3,395,472 )	(130,500 )	-	(4,213,986 )
Balance at September 30, 2017	\$-	\$40,780,633	\$182,530,251	\$6,223,018	\$-	\$229,533,902

(Concluded)

	Land	Buildings and improvements	Machinery and equipment	Other equipment	Construction in progress and machinery  in transit	Total
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
Cost						
Balance at January 1, 2017	\$110,947	\$3,173,695	\$8,183,342	\$279,415	\$254,320	\$12,001,719
Additions	-	9,663	2,587	2,585	597,933	612,768
Disposals	-	(17,669 )	(255,859 )	(21,320 )	(1,175 )	(296,023 )
Reclassification	(1,186 )	194,508	497,827	4,677	(733,135 )	(37,309 )
Effect of foreign currency exchange differences	(1,807 )	(67,888 )	(140,521 )	(5,512 )	18,842	(196,886 )
Balance at September 30, 2017	\$107,954	\$3,292,309	\$8,287,376	\$259,845	\$136,785	\$12,084,269
Accumulated depreciation and impairment						
Balance at January 1, 2017	\$-	\$1,260,453	\$5,786,350	\$210,520	\$570	\$7,257,893
Depreciation expense	-	127,469	559,119	19,304	-	705,892

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Impairment losses recognized	-	76	9,324	12	-	9,412
Disposals	-	(13,824 )	(225,511 )	(19,885 )	(570 )	(259,790 )
Reclassification	-	(6,925 )	812	(473 )	-	(6,586 )
Effect of foreign currency exchange differences	-	(22,684 )	(111,951 )	(4,303 )	-	(138,938 )
Balance at September 30, 2017	\$-	\$ 1,344,565	\$ 6,018,143	\$ 205,175	\$-	\$ 7,567,883

Due to the Group's future operation plans and capacity evaluation or production demands in segment of packaging and testing, the Group believed that a portion of property, plant and equipment does not qualify for the production needs and therefore recognized an impairment loss of NT\$886,846 thousand and NT\$285,466 thousand (US\$9,412 thousand) under the line item of other operating income and expenses in the condensed consolidated statements of comprehensive income for the nine months ended September 30, 2016 and 2017, respectively. The recoverable amount of the impaired property, plant and equipment is determined on the basis of its value in use and the Group expects to derive zero future cash flows from these assets.

Each class of property, plant and equipment was depreciated on a straight-line basis over the following useful lives:

Buildings and improvements	
Main plant buildings	I0-40 years
Cleanrooms	I0-20 years
Others	K-20 years
Machinery and equipment	J-10 years
Other equipment	J-20 years

The capitalized borrowing costs for the nine months ended September 30, 2016 and 2017, respectively, are disclosed in Note 24.

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## 15.

## INVESTMENT PROPERTIES

	Land NT\$	Buildings and improvements NT\$	Total NT\$
Cost			
Balance at January 1, 2017	\$-	\$ -	\$-
Transfers from inventories related to real estate business and property, plant and equipment	35,965	8,114,110	8,150,075
Effects of foreign currency exchange differences	-	133,158	133,158
Balance at September 30, 2017	\$35,965	\$ 8,247,268	\$8,283,233
Accumulated depreciation and impairment			
Balance at January 1, 2017	\$-	\$ -	\$-
Depreciation expenses	-	30,479	30,479
Transfers from inventories related to real estate business and property, plant and equipment	-	199,745	199,745
Effects of foreign currency exchange differences	-	1,288	1,288
Balance at September 30, 2017	\$-	\$ 231,512	\$231,512
	Land US\$ (Note 4)	Buildings and improvements US\$ (Note 4)	Total US\$ (Note 4)
Cost			
Balance at January 1, 2017	\$-	\$ -	\$-
Transfers from inventories related to real estate business and property, plant and equipment	1,186	267,528	268,714
Effects of foreign currency exchange differences	-	4,390	4,390
Balance at September 30, 2017	\$1,186	\$ 271,918	\$273,104
Accumulated depreciation and impairment			
Balance at January 1, 2017	\$-	\$ -	\$-
Depreciation expenses	-	1,005	1,005
Transfers from inventories related to real estate business and property, plant and equipment	-	6,586	6,586
Effects of foreign currency exchange differences	-	42	42
Balance at September 30, 2017	\$-	\$ 7,633	\$7,633

The investment properties are depreciated using the straight-line method over their estimated useful lives as follows:

Main buildings	10-40 years
Others	3-20 years

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The fair value of the investment properties was approximately NT\$11,559,100 thousand (US\$381,111 thousand) which was measured using level 3 inputs, the market approach and the income approach by independent professional appraisers.

Investment properties are held under freehold interests. Refer to Note 36 for the carrying amount of the investment properties that had been pledged by the Group to secure borrowings.

**16. GOODWILL**

	Cost NT\$	Accumulated impairment NT\$	Carrying amount NT\$
Balance at January 1, 2016	\$12,495,515	\$1,988,996	\$10,506,519
Acquisitions through business combinations (Retrospectively Adjusted) (Note 28)	15,323	-	15,323
Effect of foreign currency exchange differences	(77,963 )	-	(77,963 )
Balance at September 30, 2016	\$12,432,875	\$1,988,996	\$10,443,879
Balance at January 1, 2017 (Retrospectively Adjusted) (Note 28)	\$12,479,305	\$1,988,996	\$10,490,309
Effect of foreign currency exchange differences	(101,594 )	-	(101,594 )
Balance at September 30, 2017	\$12,377,711	\$1,988,996	\$10,388,715

	Cost US\$ (Note 4)	Accumulated impairment US\$ (Note 4)	Carrying amount US\$ (Note 4)
Balance at January 1, 2017 (Retrospectively Adjusted) (Note 28)	\$411,452	\$65,579	\$345,873
Effect of foreign currency exchange differences	(3,350 )	-	(3,350 )
Balance at September 30, 2017	\$408,102	\$65,579	\$342,523

**17. OTHER INTANGIBLE ASSETS**

The carrying amounts of each class of other intangible assets were as follows:

**December 31,      September 30,**

	<b>2016</b>	<b>2017</b>	
	<b>(Retrospectively Adjusted)</b>		
	NT\$	NT\$	US\$ (Note 4)
Customer relationships (Note 28)	\$ 194,089	\$133,854	\$4,413
Computer software	943,527	845,973	27,892
Patents and acquired specific technology (Note 28)	359,227	329,266	10,856
Others	120,418	132,325	4,363
	<b>\$ 1,617,261</b>	<b>\$1,441,418</b>	<b>\$47,524</b>

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For the nine months ended September 30, 2016 (Retrospectively Adjusted)

	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Cost					
Balance at January 1, 2016	\$ 915,636	\$3,338,360	\$ 154,082	\$ 193,338	\$4,601,416
Additions	-	282,739	403,543	1,246	687,528
Disposals or derecognition	(41,099 )	(36,542 )	(30 )	-	(77,671 )
Acquisitions through business combinations	41,099	-	64,380	30	105,509
Effect of foreign currency exchange differences	-	(65,196 )	(4,318 )	(2,327 )	(71,841 )
Balance at September 30, 2016	\$ 915,636	\$3,519,361	\$ 617,657	\$ 192,287	\$5,244,941
Accumulated amortization					
Balance at January 1, 2016	\$ 641,234	\$2,385,038	\$ 138,386	\$ 54,665	\$3,219,323
Amortization expense	101,334	260,597	14,334	13,098	389,363
Disposals or derecognition	(41,099 )	(28,772 )	(30 )	-	(69,901 )
Acquisitions through business combinations	-	-	483	23	506
Effect of foreign currency exchange differences	-	(51,812 )	(5,956 )	(161 )	(57,929 )
Balance at September 30, 2016	\$ 701,469	\$2,565,051	\$ 147,217	\$ 67,625	\$3,481,362

For the nine months ended September 30, 2017

	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Cost					
Balance at January 1, 2017 (Retrospectively Adjusted)	\$ 915,636	\$3,552,229	\$514,445	\$ 192,392	\$5,174,702
Additions	-	165,581	-	30,646	196,227
Disposals	-	(67,670 )	(123,743 )	(4,996 )	(196,409 )
Effect of foreign currency exchange differences	-	(40,537 )	(1,039 )	(680 )	(42,256 )

Balance at September 30, 2017	\$ 915,636	\$ 3,609,603	\$ 389,663	\$ 217,362	\$ 5,132,264
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	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	NT\$	NT\$	NT\$	NT\$	NT\$
Accumulated amortization					
Balance at January 1, 2017 (Retrospectively Adjusted)	\$ 721,547	\$2,608,702	\$ 155,218	\$ 71,974	\$3,557,441
Amortization expense	60,235	238,300	32,653	12,963	344,151
Disposals	-	(56,314 )	(123,744 )	-	(180,058 )
Effect of foreign currency exchange differences	-	(27,058 )	(3,730 )	100	(30,688 )
Balance at September 30, 2017	\$ 781,782	\$2,763,630	\$ 60,397	\$ 85,037	\$3,690,846

(Concluded)

	Customer relationships	Computer software	Patents and acquired specific technology	Others	Total
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)
Cost					
Balance at January 1, 2017	\$ 30,189	\$117,119	\$ 16,962	\$ 6,343	\$170,613
Additions	-	5,459	-	1,010	6,469
Disposals	-	(2,231 )	(4,080 )	(165 )	(6,476 )
Effect of foreign currency exchange differences	-	(1,336 )	(34 )	(22 )	(1,392 )
Balance at September 30, 2017	\$ 30,189	\$119,011	\$ 12,848	\$ 7,166	\$169,214

Accumulated amortization

Balance at January 1, 2017	\$ 23,790	\$86,010	\$ 5,118	\$ 2,373	\$117,291
Amortization expense	1,986	7,857	1,076	428	11,347
Disposals	-	(1,856 )	(4,080 )	-	(5,936 )
Effect of foreign currency exchange differences	-	(892 )	(122 )	2	(1,012 )
Balance at September 30, 2017	\$ 25,776	\$91,119	\$ 1,992	\$ 2,803	\$121,690

Each class of other intangible assets were amortized on the straight-line basis over the following useful lives:

Customer relationships	I1 years
Computer software	J-10 years
Patents and acquired specific technology	M-15 years
Others	M-32 years

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**18. LONG-TERM PREPAYMENTS FOR LEASE**

Long-term prepayments for lease mainly represented land use rights located in China with periods for use from 40 to 70 years and will expire from 2049 to 2074, respectively.

**19. BORROWINGS**

a. Short-term borrowings

Short-term borrowings mainly represented unsecured revolving bank loans with annual interest rates at 0.70%-8.99% and 0.80%-4.79% as of December 31, 2016 and September 30, 2017, respectively.

b. Long-term borrowings

1) Bank loans

As of December 31, 2016 and September 30, 2017, the long-term bank loans with fixed interest rates both amounted to NT\$1,500,000 thousand (US\$49,456 thousand) with annual interest rates at 1.20%. The long-term bank loans with fixed interest rates will be repayable in December 2018. The others were long-term bank loans with floating interest rates and consisted of the followings:

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Working capital bank loans			
Syndicated bank loans - repayable through January 2018 to July 2018, annual interest rates were 2.55% and 2.43% as of December 31, 2016 and September 30, 2017, respectively	\$9,223,500	\$4,850,400	\$ 159,921
Others - repayable through October 2017 to October 2019, annual interest rates were 0.74%-4.48% and 0.86%-1.87% as of December 31, 2016 and September 30, 2017, respectively	36,009,917	24,287,205	800,765
Mortgage loans			
Repayable through December 2017 to June 2023, annual interest rates were both 4.95%-5.39% as of December 31, 2016 and September 30, 2017	4,390,003	4,731,091	155,987
	49,623,420	33,868,696	1,116,673
Less: unamortized arrangement fee	7,198	2,399	79

	49,616,222	33,866,297	1,116,594
Less: current portion	6,567,565	6,839,993	225,519
	\$43,048,657	\$27,026,304	\$891,075

Pursuant to the above syndicated bank loans agreements, the Company should maintain certain financial covenants including current ratio, leverage ratio, tangible net assets and interest coverage ratio. Such financial ratios are calculated based on the Group's annual audited consolidated financial statements or semi-annual reviewed consolidated financial statements. The Company was in compliance with all of the loan covenants during the nine months ended September 30, 2016 and 2017.

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## 2) Long-term bills payable

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	US\$ (Note 4)
	NT\$	NT\$	
Ta Ching Bills Finance Corporation, repayable in December 2018, annual interest rates were both 1.00% as of December 31, 2016 and September 30, 2017	\$2,000,000	\$2,000,000	\$65,941
China Bills Finance Corporation, repayable in February 2019, annual interest rate was 0.96%	-	1,000,000	32,971
International Bills Finance Corporation, repayable in March 2019, annual interest rate was 0.96%	-	1,000,000	32,971
	2,000,000	4,000,000	131,883
Less: unamortized discounts	659	1,261	42
	<b>\$1,999,341</b>	<b>\$3,998,739</b>	<b>\$131,841</b>

**20.****BONDS PAYABLE**

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	US\$ (Note 4)
	NT\$	NT\$	
Unsecured domestic bonds			
Repayable at maturity in January 2021 and interest due annually with annual interest rate at 1.30%	\$7,000,000	\$7,000,000	\$230,795
Repayable at maturity in January 2023 and interest due annually with annual interest rate at 1.50%	2,000,000	2,000,000	65,941
Repayable at maturity in January 2022 and interest due annually with annual interest rate at 1.25%	-	3,700,000	121,991
Repayable at maturity in January 2024 and interest due annually with annual interest rate at 1.45%	-	4,300,000	141,774
Unsecured convertible overseas bonds			
US\$400,000 thousand	12,900,000	-	-
US\$200,000 thousand (linked to New Taiwan dollar)	6,185,600	6,185,600	203,943
Secured overseas bonds - secured by the Company			
US\$300,000 thousand, interest due semi-annually with annual interest rate at 2.125% and has been repaid in July 2017	9,675,000	-	-
	37,760,600	23,185,600	764,444
Less: discounts on bonds payable	760,697	68,224	2,249
	<b>36,999,903</b>	<b>23,117,376</b>	<b>762,195</b>

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Less: current portion	9,658,346	6,136,891	202,337
	\$27,341,557	\$16,980,485	\$559,858

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In September 2013, the Company offered the third unsecured convertible overseas bonds (the “Bonds”) in US\$400,000 thousand. The Bonds is zero coupon bonds with the maturity of 5 years, in denominations of US\$200 thousand or in any integral multiples thereof. Each holder of the Bonds has the right at any time on or after October 16, 2013 and up to (and including) August 26, 2018, except during legal lock-up period, to convert the Bonds into a newly issued listed common shares at the conversion price NT\$33.085, determined on the basis of a fixed exchange rate of US\$1 to NT\$29.956. The conversion price will be adjusted in accordance with the conversion provisions due to anti-dilution clause. As of December 31, 2016, the conversion price was NT\$28.99. As of September 30, 2017, the Bonds holders have exercised the conversion right to convert the Bonds of US\$399,600 thousand into the company’s ordinary shares at conversion prices from NT\$27.95(US\$0.92) to NT\$28.96 (US\$0.95).

The Bonds may be redeemed at the option of the Company, in whole or in part, at any time on or after the third anniversary of the offering date provided that (1) the closing price, translated into U.S. dollars, of the ordinary shares for a period of 20 consecutive trading days is at least 130% of the conversion price, (2) at least 90% in aggregate principal amount of the Bonds originally outstanding has been redeemed, repurchased and canceled or converted, or (3) the Company is required to pay additional taxes on the Bonds as a result of certain changes in tax laws in the ROC.

Each holder shall have the right to request the Company repurchase all or any portion of the principal amount thereof of a holder’s Bonds (1) on the third anniversary of the offering date, (2) in the event of a change of control, or (3) in the event of delisting.

The Bonds contained a debt host contract, recognized as bonds payable, and the conversion option, redemption option and put option (collectively the “Bonds Options”) aggregately recognized as financial liabilities at FVTPL. The effective interest rate of the debt host contract was 3.16% and the aggregate fair value of the Bonds Options was NT\$1,667,950 thousand on initial recognition.

The Company’s board of directors resolved in July 2017 to issue a notice of early redemption to Bonds holders. As of September 30, 2017, the closing price of the Company’s ordinary shares (translated into U.S. dollars at the prevailing rates) for a period of 20 consecutive trading days is higher than 130% of the conversion price in U.S. dollar translated at the fixed exchange rate of US\$1 to NT\$29.956 determined on pricing date per ordinary share. Therefore, except those have been converted, the Company early redeemed the outstanding Bonds of US\$400 thousand in September 2017.

b. In July 2015, the Company offered the forth unsecured convertible overseas bonds (the “Currency Linked Bonds”) in US\$200,000 thousand. The Currency Linked Bonds is zero coupon bonds with the maturity of 2.75 years, in denominations of US\$200 thousand or in any integral multiples thereof. Repayment, redemption and put amount denominated in U.S. dollar will be converted into New Taiwan dollar amount using a fixed exchange rate of US\$1 to NT\$30.928 (the “Fixed Exchange Rate”) and then converted back to U.S. dollar amount using the applicable prevailing rate at the time of repayment, redemption or put. Each holder of the Currency Linked Bonds has the right at any time on or after August 11, 2015 and up to (and including) March 17, 2018, except during legal lock-up period, to convert the Currency Linked Bonds into common shares at the conversion price NT\$54.55, determined on

the basis of the Fixed Exchange Rate. The Company's treasury shares will be available for delivery upon conversion of the Currency Linked Bonds. The conversion price will be adjusted in accordance with the conversion provisions due to anti-dilution clause. As of December 31, 2016 and September 30, 2017, the conversion price was NT\$49.52 and NT\$47.76 (US\$1.57), respectively.

The Currency Linked Bonds may be redeemed at the option of the Company, in whole or in part, at any time on or after March 19, 2018 provided that (1) the closing price, translated into U.S. dollars, of the ordinary shares for a period of 20 out of 30 consecutive trading days is at least 130% of the conversion price, (2) at least 90% in aggregate principal amount of the Currency Linked Bonds originally outstanding has been redeemed, repurchased and canceled or converted, or (3) the Company is required to pay additional taxes on the Currency Linked Bonds as a result of certain changes in tax laws in the ROC.

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Each holder shall have the right to request the Company repurchase all or any portion of the principal amount thereof of a holder's Currency Linked Bonds (1) in the event of a change of control, or (2) in the event of delisting.

The Currency Linked Bonds contained a debt host contract, recognized as bonds payable, and the conversion option, recognized as capital surplus. The effective interest rate of the debt host contract was 1.58% and the fair value of the conversion option was NT\$214,022 thousand on initial recognition.

To focus on corporate sustainability and to carry out the commitment to environmental protection and energy conservation, Anstock II Limited, a subsidiary the Company 100% owned, offered overseas bonds in US\$300,000 thousand with the maturity of 3 years and annual interest rate of 2.125% (the "Green Bonds") in July 2014. The Green Bonds are unconditionally and irrevocably guaranteed by the Company and the proceeds were used to fund certain eligible projects to promote the Group's transition to low-carbon and climate resilient growth. As of September 30, 2017, the Company's subsidiary has repaid the Green Bonds.

**21.****OTHER PAYABLES**

	<b>December 31, 2016</b>	<b>September 30, 2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Accrued salary and bonus	\$6,606,406	\$6,500,980	\$214,342
Payables for property, plant and equipment	5,605,528	4,406,763	145,294
Accrued employees' compensation and remuneration to directors	2,400,778	1,875,436	61,834
Accrued employee insurance	617,419	704,198	23,218
Accrued utilities	410,796	465,230	15,339
Payables for patents and acquired specific technology (Note 35)	120,938	113,681	3,748
Others	5,760,169	5,323,708	175,526
	<b>\$21,522,034</b>	<b>\$19,389,996</b>	<b>\$639,301</b>

**22.****RETIREMENT BENEFIT PLANS**

The Group's retirement benefit plans consisted of defined contribution retirement plans and defined benefit retirement plans. Employee benefit expenses in respect of the Group's defined benefit retirement plans were calculated using the projected pension cost stated in 2015 and 2016 actuarial reports.

**23.****EQUITY**

a. Share capital

Ordinary shares

	<b>December 31,  2016</b>	<b>September 30,  2017</b>
Numbers of shares authorized (in thousands)	10,000,000	10,000,000
Numbers of shares reserved (in thousands)		
Employee share options	800,000	800,000
Number of shares issued and fully paid (in thousands)	7,946,184	8,725,506

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**December 31, September 30,**

	<b>2016</b>	<b>2017</b>	
	NT\$	NT\$	US\$ (Note 4)
Shares capital authorized	\$ 100,000,000	\$ 100,000,000	\$ 3,297,066
Shares capital reserved			
Employee share options	\$ 8,000,000	\$ 8,000,000	\$ 263,765
Shares capital issued	\$ 79,568,040	\$ 87,255,059	\$ 2,876,857

The holders of issued ordinary shares with a par value at \$10 per share are entitled the right to vote and receive dividends, except the shares held by the Group's subsidiaries which are not entitled the right to vote. As of December 31, 2016 and September 30, 2017, there were both 500,000 thousand ordinary shares included in the authorized shares that were not yet required to complete the share registration process.

In December 2016, the board of directors approved the issuance of 300,000 thousand ordinary shares for cash capital increase at NT\$34.3 per share. The aforementioned cash capital increase has been completed and the Company has completed the registration formalities in March 2017.

As disclosed in Note 20, there were 424,258 thousand ordinary shares were issued under the conversion of Bonds as of September 30, 2017. The record dates of 323,094 thousand and 101,164 thousand ordinary shares were October 13, 2017 and July 13, 2017, respectively. The Company has completed the registration formalities before the condensed consolidated financial statements were authorized for issue by management.

American Depositary Receipts

The Company issued ADSs and each ADS represents five ordinary shares. As of December 31, 2016 and September 30, 2017, 125,518 thousand and 107,475 thousand ADSs were outstanding and represented approximately 627,590 thousand and 537,377 thousand ordinary shares of the Company, respectively.

b. Capital surplus

<b>December 31,</b>	<b>September 30,</b>
<b>2016</b>	<b>2017</b>
NT\$	NT\$

US\$  
(Note 4)

May be used to offset a deficit,  
distributed as cash dividends,  
or transferred to share capital (1)

Arising from issuance of ordinary shares	\$5,844,397	\$15,515,797	\$511,566
Arising from conversion of bonds payable	-	451,815	14,897
Arising from the difference between consideration received and the carrying amount of the subsidiaries' net assets during actual disposal or acquisition	7,176,958	7,176,958	236,629

(Continued)

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	<b>December 31, 2016</b>	<b>September 30, 2017</b>	US\$ (Note 4)
	NT\$	NT\$	
May be used to offset a deficit only			
Arising from changes in percentage of ownership interest in subsidiaries (2)	\$6,134,228	\$6,137,283	\$202,350
Arising from treasury share transactions	950,368	1,151,345	37,961
Arising from exercised employee share options	630,411	828,104	27,303
Arising from expired employee share options (Note 27)	3,626	17,167	566
Arising from share of changes in capital surplus of associates	82,243	84,509	2,786
May not be used for any purpose			
Arising from employee share options	1,230,247	1,245,707	41,072
Arising from equity component of convertible bonds	214,022	214,022	7,056
Others (3)	-	7,526,018	248,138
	<b>\$22,266,500</b>	<b>\$40,348,725</b>	<b>\$1,330,324</b>

(Concluded)

Such capital surplus may be used to offset a deficit; in addition, when the Company has no deficit, such capital surplus may be distributed as cash dividends or transferred to share capital (limited to a certain percentage of the Company's capital surplus and once a year).

Such capital surplus arises from the effect of changes in ownership interest in a subsidiary resulted from equity transactions other than actual disposal or acquisition, or from changes in capital surplus of subsidiaries accounted for using the equity method.

Such capital surplus arises from the excess of related carrying amount of related accounts over the par value and the Company has not completed registration formalities when the convertible bonds were converted into ordinary shares and employee share options were exercised.

c. Retained earnings and dividend policy

In accordance with the amendments to the Company Act in May 2015, the recipients of dividends and bonuses are limited to shareholders and do not include employees. The consequential amendments to the Company's Articles of Incorporation was resolved at the Company's annual shareholders' meetings. For information about the accrual basis of the employees' compensation and remuneration to directors and the actual appropriations, please refer to employee benefits expense under profit before income tax in Note 24(h).

The amended Articles of Incorporation of ASE Inc. (the “Articles”) in June 2016 provides that annual net profit shall be distributed in the following order:

- 1) Replenishment of deficits;
- 2) 10.0% as legal reserve;

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- 3) Special reserve appropriated or reversed in accordance with laws or regulations set forth by the authorities concerned;
- 4) Addition or deduction of realized gains or losses on equity instruments at fair value through other comprehensive income.

The Company is currently in the mature growth stage. To meet the capital needs for business development now and in the future and satisfy the shareholders' demand for cash inflows, the Company shall use residual dividend policy to distribute dividends, of which the cash dividend is not lower than 30% of the total dividend distribution, with the remainder to be distributed in stock. A distribution plan is also to be made by the board of directors and passed for resolution in the shareholders' meeting.

Appropriation of earnings to legal reserve shall be made until the legal reserve equals the Company's capital surplus. Legal reserve may be used to offset deficits. If the Company has no deficit and the legal reserve has exceeded 25% of the Company's capital surplus, the excess may be transferred to capital or distributed in cash.

Under Rule No. 1010012865 and Rule No. 1010047490 issued by the FSC and the directive titled "Questions and Answers for Special Reserves Appropriated Following Adoption of IFRSs", the Company should appropriate to or reverse a special reserve.

Expect for non-ROC resident shareholders, all shareholders receiving the dividends are allowed a tax credit equal to their proportionate share of the income tax paid by the Company.

The appropriations of earnings for 2015 and 2016 resolved at the Company's annual shareholders' meetings in June 2016 and June 2017, respectively, were as follows:

	Appropriation of Earnings		Dividends Per Share	
	For Year 2015	For Year 2016	For Year 2015	For Year 2016
	NT\$	NT\$	NT\$ (in dollars)	NT\$ (in dollars)
Legal reserve	\$1,947,887	\$2,168,034		
Cash dividends	12,476,779	11,415,198	\$1.60	\$1.40
	\$14,424,666	\$13,583,232		

d. Other equity

1) Exchange differences on translating foreign operations

	For the Nine Months Ended September 30		
	2016	2017	
	NT\$	NT\$	US\$ (Note 4)
Balance at January 1	\$4,492,671	\$(1,643,623)	\$(54,191 )
Exchange differences arising on translating foreign operations	(6,147,519)	(3,912,689)	(129,004)
Share of exchange difference of associates and joint venture accounted for using the equity method	(301,327 )	(119,500 )	(3,940 )
Balance at September 30	\$(1,956,175)	\$(5,675,812)	\$(187,135)

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## 2) Unrealized gain (loss) on available-for-sale financial assets

	For the Nine Months Ended September 30		
	2016 NT\$	2017 NT\$	US\$ (Note 4)
Balance at January 1	\$588,119	\$(197,314)	\$(6,505 )
Unrealized gain (loss) arising on revaluation of available-for-sale financial assets	(62,028 )	133,521	4,402
Cumulative loss reclassified to profit or loss on impairment of available-for-sale financial assets	-	50,206	1,655
Cumulative loss (gain) reclassified to profit or loss on disposal of available-for-sale financial assets	7,512	(1,417 )	(47 )
Unrealized gain (loss) on available-for-sale financial assets of associates and joint venture accounted for using the equity method	(233,717)	546,203	18,009
Balance at September 30	\$299,886	\$531,199	\$17,514

## e. Treasury shares (in thousand shares)

	Beginning Balance	Addition	Decrease	Ending Balance
For the nine months ended September 30, 2016				
Shares held by subsidiaries	145,883	-	-	145,883
Shares reserved for bonds conversion	120,000	-	-	120,000
	265,883	-	-	265,883
For the nine months ended September 30, 2017				
Shares held by subsidiaries	145,883	-	-	145,883
Shares reserved for bonds conversion	120,000	-	-	120,000
	265,883	-	-	265,883

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The Company's shares held by its subsidiaries at each balance sheet date were as follows:

	<b>Shares</b>	Carrying	Carrying	Fair Value	Fair Value
	<b>Held By</b>	amount	amount		
	<b>Subsidiaries</b>				
	(in thousand	NT\$	US\$	NT\$	US\$
	shares)		<b>(Note 4)</b>		<b>(Note 4)</b>
December 31, 2016					
ASE Test	88,200	\$1,380,721		\$2,915,026	
J&R Holding	46,704	381,709		1,543,559	
ASE Test, Inc.	10,979	196,677		362,849	
	145,883	\$1,959,107		\$4,821,434	
September 30, 2017					
ASE Test	88,200	\$1,380,721	\$45,523	\$3,276,648	\$108,033
J&R Holding	46,704	381,709	12,585	1,735,045	57,206
ASE Test, Inc.	10,979	196,677	6,485	407,862	13,447
	145,883	\$1,959,107	\$64,593	\$5,419,555	\$178,686

Fair values of the Company's shares held by subsidiaries are based on the closing price from an available published price quotation, which is a Level 1 input in terms of IFRS 13, at the balance sheet dates.

The Company issued ordinary shares in connection with its merger with its subsidiaries. The shares held by its subsidiaries were reclassified from investments accounted for using the equity method to treasury shares on the proportion owned by the Company.

Under the Securities and Exchange Act in the ROC, the Company shall neither pledge treasury shares nor exercise shareholders' rights on these shares, such as rights to dividends and voting. The subsidiaries holding treasury shares, however, retain shareholders' rights except the rights to participate in any share issuance for cash and voting.

f. Non-controlling interests

For the Nine Months Ended September  
30  
**2016**                      2017

	<b>(Retrospectively Adjusted)</b>		
	NT\$	NT\$	US\$ (Note 4)
Balance at January 1 (Retrospectively Adjusted)	\$ 11,492,545	\$ 12,000,551	\$ 395,666
Attributable to non-controlling interests:			
Share of profit for the period	831,621	1,134,592	37,408
Exchange difference on translating foreign operations	(596,012 )	(266,791 )	(8,796 )
Unrealized gain on available-for-sale financial assets	1,547	716	24
Non-controlling interest arising from acquisition of subsidiaries (Note 28)	42,857	-	-

(Continued)

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	For the Nine Months Ended September 30 2016		
	<b>(Retrospectively Adjusted)</b>		
	NT\$	NT\$	US\$ (Note 4)
Additional non-controlling interests arising from partial disposal of subsidiaries (Note 30)	\$26,436	\$(3,055 )	\$(101 )
Repurchase of outstanding ordinary shares of subsidiaries (Note 30)	(912,886 )	-	-
Non-controlling interest relating to outstanding vested share options held by the employees of subsidiaries	425,523	171,247	5,646
Cash dividends to non-controlling interests	(236,426 )	(246,440 )	(8,125 )
Balance at September 30 (Concluded)	\$11,075,205	\$12,790,820	\$421,722

#### 24. PROFIT BEFORE INCOME TAX

##### a. Other operating income and expenses, net

	For the Nine Months Ended September 30		
	2016	2017	US\$
	NT\$	NT\$	(Note 4)
Rental income	\$38,096	\$81,046	\$2,672
Impairment loss on property, plant and equipment	(886,846)	(285,466 )	(9,412 )
Gains on disposal of property, plant and equipment	19,284	354,871	11,700
Others	125,215	\$123,866	\$4,084
	\$(704,251)	\$274,317	\$9,044

##### b. Other income

	For the Nine Months Ended September 30		
	2016	2017	US\$
	NT\$	NT\$	(Note 4)

Government subsidy	\$219,725	\$228,436	\$7,531
Interest income	171,615	178,027	5,870
Dividends income	20,625	\$47,225	\$1,557
	\$411,965	\$453,688	\$14,958

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## c. Other gains and losses

	For the Nine Months Ended September 30		
	2016	2017	US\$ (Note 4)
	NT\$	NT\$	
Gain on disposal of subsidiaries (Note 29)	\$-	\$5,643,773	\$186,079
Net gains on financial assets designated as at FVTPL	165,319	245,463	8,093
Net losses arising on financial instruments held for trading	(1,657,476)	(2,812,496)	(92,730)
Foreign exchange gains	2,235,621	2,722,632	89,767
Others	(9,398)	(48,760)	(1,607)
	\$734,066	\$5,750,612	\$189,602

## d. Finance costs

	For the Nine Months Ended September 30		
	2016	2017	US\$ (Note 4)
	NT\$	NT\$	
Total interest expense for financial liabilities measured at amortized cost	\$1,923,733	\$1,561,202	\$51,473
Less: Amounts included in the cost of qualifying assets			
Inventories related to real estate business	(176,710)	(187,446)	(6,180)
Property, plant and equipment	(38,828)	(45,653)	(1,505)
	1,708,195	1,328,103	43,788
Other finance costs	38,390	17,399	574
	\$1,746,585	\$1,345,502	\$44,362

Information relating to the capitalized borrowing costs was as follows:

	For the Nine Months	
	Ended September 30 2016	2017
Annual interest capitalization rates		
Inventories related to real estate business (%)	4.35-6.00	4.35-5.39
Property, plant and equipment (%)	1.15-4.05	1.26-5.49

e. Depreciation and amortization

For the Nine Months Ended September 30  
**2016**

<sup>2017</sup>  
**(Retrospectively  
Adjusted)**

	NT\$	NT\$	US\$ (Note 4)
Property, plant and equipment	\$21,694,771	\$21,409,699	\$705,892
Investment property	-	30,479	1,005
Other intangible assets	389,363	344,151	11,347
<b>Total</b>	<b>\$22,084,134</b>	<b>\$21,784,329</b>	<b>\$718,244</b>

(Continued)

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For the Nine Months Ended September 30  
2016

(Retrospectively<sup>2017</sup>  
Adjusted)  
NT\$                      NT\$                      US\$ (Note  
4)

Summary of depreciation by function

Operating costs	\$20,206,684	\$19,934,724	\$657,261
Operating expenses	1,488,087	1,505,454	49,636

	\$21,694,771	\$21,440,178	\$706,897
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Summary of amortization by function	\$114,823	\$106,068	\$3,497
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Operating costs	274,540	238,083	7,850
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Operating expenses	\$389,363	\$344,151	\$11,347
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(Concluded)

f.                                      Operating expenses directly related to investment properties

For the Nine Months Ended September 30

2016	2017	
NT\$	NT\$	US\$ (Note 4)

Direct operating  
expenses of  
investment  
properties that  
generated rental  
income

\$ -	\$ 125,785	\$ 4,147
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g.    Employee benefits expense

For the Nine Months Ended September 30

2016	2017	
NT\$	NT\$	US\$ (Note 4)

Post-employment benefits

Defined contribution plans	\$1,764,165	\$1,741,016	\$57,402
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Defined benefit plans	297,425	239,115	7,884
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	2,061,590	1,980,131	65,286
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Equity-settled share-based payments	353,676	397,659	13,111
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Other employee benefits	36,296,065	37,945,020	1,251,072
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\$38,711,331    \$40,322,810    \$1,329,469

Summary of employee benefits expense by function

Operating costs	\$26,264,502	\$26,837,930	\$884,864
Operating expenses	12,446,829	13,484,880	444,605
	\$38,711,331	\$40,322,810	\$1,329,469

h. Employees' compensation and the remuneration to directors

To be in compliance with the Company Act as amended in May 2015, the amended Articles of Incorporation of the Company, has been approved in the shareholders' meeting in June 2016, stipulate to distribute employees' compensation and remuneration to directors at the rates in 5.25%-8.25% and no higher than 0.75%, respectively, of net profit before income tax, employees' compensation and

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remuneration to directors. For the nine months ended September 30, 2016 and 2017, the employees' compensation and the remuneration to directors were accrued based on 8.25% and 0.75% of net profit before income tax, employees' compensation and remuneration to directors, respectively, and were as follows.

	For the Nine Months Ended September 30		
	2016	2017	US\$
	NT\$	NT\$	(Note 4)
Employees' compensation	\$1,409,574	\$1,676,620	\$55,279
Remuneration to directors	128,143	152,420	5,025

If there is any change in the proposed amounts after the consolidated financial statements authorized for issue, the differences are recorded as a change in accounting estimate.

The appropriations of employees' compensation (settled by cash) and remuneration to directors for 2015 and 2016 resolved by the board of directors in April 2016 and in March 2017, respectively, and the amounts recognized in 2015 and 2016 consolidated financial statements were as follows.

	For Year 2015		For Year 2016	
	Employees' compensation	Remuneration to directors	Employees' compensation	Remuneration to directors
	NT\$	NT\$	NT\$	NT\$
Resolved by the board of directors	\$2,033,800	\$ 140,000	\$2,151,900	\$ 148,000
Recognized in the consolidated financial statements	\$2,033,500	\$ 184,500	\$2,147,323	\$ 195,211

The differences between the resolved amounts of the employees' compensation and the remuneration to directors and the accrued amounts reflected in the consolidated financial statements for the years ended December 31, 2015 and 2016 were deemed changes in estimates. The difference was NT\$44,200 thousand and NT\$42,634 thousand (US\$1,406 thousand) and had been adjusted in net profit for the years ended December 31, 2016 and 2017, respectively.

## 25. INCOME TAX

- a. Income tax recognized in profit or loss

The major components of income tax were as follows:

For the Nine Months Ended  
September 30  
2016            2017  
NT\$            NT\$            US\$ (Note  
4)

Current income tax			
In respect of the current period	\$3,609,224	\$3,843,507	\$126,723
Income tax on unappropriated earnings	(27,213 )	280,579	9,251
Changes in estimate for prior periods	26,514	(42,415 )	(1,399 )
	3,608,525	4,081,671	134,575

(Continued)

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	For the Nine Months Ended		
	September 30		
	2016	2017	
	NT\$	NT\$	US\$ (Note 4)
Deferred income tax			
In respect of the current period	\$(238,983 )	\$574,219	\$18,932
Adjustments attributable to changes in tax rates	14,184	-	-
Changes in estimate for prior periods	(26,840 )	51,857	1,710
Effect of foreign currency exchange differences	(126,918 )	(69,732 )	(2,299 )
	(378,557 )	556,344	18,343
Income tax recognized in profit or loss	\$3,229,968	\$4,638,014	\$152,918

(Concluded)

b. Integrated income tax

As of December 31, 2016 and September 30, 2017, unappropriated earnings were all generated on and after January 1, 1998. As of December 31, 2016 and September 30, 2017, the balance of the Imputation Credit Account (“ICA”) was NT\$3,328,374 thousand and NT\$3,317,787 thousand (US\$109,390 thousand), respectively.

The creditable ratio for the distribution of earnings of 2015 and 2016 was 9.65% (actual) and 10.01% (estimated) , respectively.

c. Income tax assessments

Income tax returns of ASE Inc. and its ROC subsidiaries have been examined by authorities through 2012 and 2015 and through 2013 to 2015, respectively.

**26. EARNINGS PER SHARE**

The earnings and weighted average number of ordinary shares outstanding in the computation of earnings per share were as follows:

Net profit for the period

For the Nine Months Ended September  
30  
**2016**

**(Retrospectively<sup>2017</sup>  
Adjusted)**

NT\$                      NT\$                      US\$ (Note  
4)

Net Profit for the period attributable to owners of the Company	\$ 14,339,729	\$ 17,414,958	\$ 574,183
Effect of potentially dilutive ordinary shares:			
Employee share options issued by subsidiaries	(291,290 )	(737,608 )	(24,320 )
Investments in associates	(455,098 )	(411,398 )	(13,564 )
Convertible bonds	(551,720 )	70,088	2,311
Earnings used in the computation of diluted earnings per share	\$ 13,041,621	\$ 16,336,040	\$ 538,610

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Weighted average number of ordinary shares outstanding (in thousand shares):

	For the Nine Months Ended September 30	
	2016	2017
Weighted average number of ordinary shares in the computation of basic earnings per share	7,658,467	8,057,642
Effect of potentially dilutive ordinary shares:		
Convertible bonds	515,295	124,911
Employee share options	61,385	42,865
Employees' compensation	37,793	40,677
Weighted average number of ordinary shares in the computation of diluted earnings per share	8,272,940	8,266,095

For purposes of the ADS calculation, the denominator represents the above-mentioned weighted average outstanding shares divided by five (one ADS represents five ordinary shares). The numerator was the same.

The Group is able to settle the employees' compensation by cash or shares. The Group assumed that the entire amount of the compensation would be settled in shares and the resulting potential shares were included in the weighted average number of ordinary shares outstanding used in the computation of diluted earnings per share if the effect is dilutive. Such dilutive effect of the potential shares was included in the computation of diluted earnings per share until the board of directors approve the number of shares to be distributed to employees at their meeting in the following year.

The third unsecured convertible overseas bonds issued by the Company were anti-dilutive for the nine months ended September 30, 2017 and were excluded from the computation of diluted earnings per share for the same period.

## 27. SHARE-BASED PAYMENT ARRANGEMENTS

### a. Employee share option plans of the Company and its subsidiaries

In order to attract, retain and reward employees, ASE Inc. had five employee share option plans for full-time employees of the Group. Each share option represents the right to purchase one ordinary share of ASE Inc. when exercised. Under the terms of the plans, share options are granted at an exercise price equal to or not less than the closing price of the ordinary shares listed on the TSE at the grant date. The option rights of these plans are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date. For any subsequent changes in the Company's capital structure, the exercise price is accordingly adjusted.

ASE Inc. Option Plans

Information about share options was as follows:

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	For the Nine Months Ended September 30		2017	
	2016	Weighted Average Exercise Price (In Thousands) <sup>(NT\$)</sup>	Number of Options (In Thousands)	Weighted Average Exercise Price (In Thousands) <sup>(NT\$)</sup>
Balance at January 1	252,607	\$ 26.6	210,795	\$ 27.3
Options forfeited	(4,556 )	34.5	(4,925 )	36.3
Options exercised	(26,262 )	20.9	(55,064 )	20.8
Balance at September 30	221,789	27.1	150,806	29.4
Options exercisable, end of period	132,619	20.8	99,776	25.8

The weighted average share price at exercise dates of share options for the nine months ended September 30, 2016 and 2017 was NT\$36.5 and NT\$37.6 (US\$1.24), respectively.

Information about the Company's outstanding share options at each balance sheet date was as follows:

	<b>Range of Exercise Price Per Share</b>	<b>Weighted Average Remaining</b>
	<b>(NT\$)</b>	<b>Contractual Life (Years)</b>
December 31, 2016	\$ 10.4-22.6 36.5	2.5 8.7
September 30, 2017	10.4-22.6 36.5	2.3 7.9

#### ASE Mauritius Inc. Option Plan

ASE Mauritius Inc. has an employee share option plan for full-time employees of the Group which granted 30,000 thousand units in December 2007. Under the terms of the plan, each unit represents the right to purchase one ordinary share of ASE Mauritius Inc. when exercised. The option rights of the plan are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date.



Information about share options was as follows:

	For the Nine Months Ended September 30			
	2016		2017	
	Number of Options (In Thousands)	Exercise Price Per Share (US\$)	Number of Options (In Thousands)	Exercise Price Per Share (US\$)
Balance at January 1	28,470	\$ 1.7	28,470	\$ 1.7
Options forfeited	-	-	(250 )	1.7
Balance at September 30	28,470	1.7	28,220	1.7

(Continued)

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	For the Nine Months Ended September 30			
	2016		2017	
	Exercise		Exercise	
Number of Options (In Thousands)	Price Per Share (US\$)	Number of Options (In Thousands)	Price Per Share (US\$)	
Options exercisable, end of period	28,470	\$ 1.7	28,220	\$ 1.7

(Concluded)

As of December 31, 2016 and September 30, 2017, the remaining contractual life was 1 year and 0.3 year, respectively.

#### USIE Option Plan

The terms of the plans issued by USIE were the same with those of the Company's option plans.

Information about share options was as follows:

	For the Nine Months Ended September 30			
	2016		2017	
	Weighted Average Exercise		Weighted Average Exercise	
Number of Options (In Thousands)	Price Per Share (US\$)	Number of Options (In Thousands)	Price Per Share (US\$)	
Balance at January 1	29,695	\$ 2.1	25,933	\$ 2.2
Options exercised	(3,762)	2.0	-	-
Balance at September 30	25,933	2.2	25,933	2.2

Options exercisable, end of period    25,933    2.2    25,933    2.2

Information about USIE's outstanding share options at each balance sheet date was as follows:

	<b>Range of Exercise Price Per Share  (US\$)</b>	<b>Weighted Average Remaining  Contractual Life (Years)</b>
December 31, 2016	\$1.5 1.4-2.9	4.0 3.9
September 30, 2017	1.5 1.4-2.9	3.2 3.1

USISH Option Plan

Each unit represents the right to purchase one ordinary share of USISH when exercised. The options for USISH's full-time employees are valid for 10 years, non-transferable and exercisable at certain percentages subsequent to the second anniversary of the grant date incorporated with certain performance conditions. For any subsequent changes in USISH's capital structure, the exercise price

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is accordingly adjusted.

Information about share options was as follows:

	For the Nine Months Ended September 30			
	2016		2017	
	Number of Options (In Thousands)	Weighted Average Exercise Price Per Share (CNY)	Number of Options (In Thousands)	Weighted Average Exercise Price Per Share (CNY)
Balance at January 1	26,627	\$ 15.5	24,997	\$ 15.5
Options forfeited	(1,211)	15.5	(930)	15.5
Balance at September 30	25,416	15.5	24,067	15.5
Options exercisable, end of period	-	-	-	-

As of December 31, 2016 and September 30, 2017, the remaining contractual life of the share options was 8.9 years and 8.2 years, respectively.

Employee benefit expense recognized for employee share options granted by the Company and its subsidiary, USISH, was NT\$353,676 thousand and NT\$313,659 thousand (US\$10,342 thousand) for the nine months ended September 30, 2016 and 2017, respectively.

b. New shares reserved for subscription by employees under cash capital increase

In December 2016, the board of directors approved the cash capital increase and, as required under the Company Act of the ROC, simultaneously granted options to employees to purchase 10% of such newly issued shares. The grant of the options was accounted for as employee options, accordingly a share-based compensation, and was measured at fair value in accordance with IFRS 2. The Group recognized employee benefits expense and capital surplus arising from exercised employee share options of NT\$84,000 thousand (US\$2,769 thousand) in full at the grant date (also the vested date), of which 4,836 thousand shares has not been exercised and, therefore, \$13,541 thousand (US\$446 thousand) was reclassified from capital surplus arising from exercised employee share options to capital surplus arising from expired employee share options.

Information about the Company's employee share options related to the aforementioned newly issued shares was as follows:

	<b>Number of Options</b>
	<b>(In Thousand)</b>
Options granted for the nine months ended September 30, 2017	30,000
Options exercised for the nine months ended September 30, 2017	25,164
Weighted-average fair value of options granted (NT\$ per share)	\$ 2.80

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Fair value was measured using the Black-Scholes Option Pricing Model and the inputs to the model were as follows:

Share price at the grant date	NT\$36.55 per share
Exercise price	NT\$34.30 per share
Expected volatility	27.15%
Expected lives	47 days
Expected dividend yield	-
Risk free interest rate	0.37%

Expected volatility was based on the Company's historical share prices volatility.

**28. BUSINESS COMBINATIONS**

a. Subsidiary acquired

	<b>Principal Activity</b>	<b>Date of Acquisition</b>	<b>Proportion of Voting Equity Interests Acquired</b>	<b>Cash Consideration NT\$</b>
TLJ	Engaged in information software services	May 3, 2016	60%	\$ 89,998

In May 2016, the Company's subsidiary, ASE Test, Inc., acquired 60% shareholdings of TLJ with a total consideration determined primarily based on independent professional appraisal reports. NT\$41,739 thousand out of the total consideration was paid to key management personnel and related parties.

b. Assets acquired and liabilities assumed at the date of acquisition

	NT\$
Current assets	\$ 16,645
Non-current assets	108,486
Current liabilities	(7,599 )
Fair value of identifiable net assets acquired	\$ 117,532

c. Goodwill recognized on acquisition

NT\$

Consideration transferred (paid in cash)	\$89,998
Non-controlling interests	42,857
Less: Fair value of identifiable net assets acquired	(117,532)
Goodwill recognized on acquisition	\$15,323

The non-controlling interest recognized at the acquisition date was measured at its fair value.

The goodwill recognized mainly represents the control premium. In addition, the consideration paid for the acquisition effectively included amounts attributed to the benefits of expected revenue growth and future market development of TLJ. These benefits are not recognized separately from goodwill because they do not meet the recognition criteria for identifiable intangible assets.

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## d. Net cash outflow on acquisition of subsidiaries

NT\$

Consideration paid in cash	\$89,998
Less: Cash acquired	16,561
	\$73,437

e. As of June 30, 2017, the Group has completed the identification of the difference between the cost of the investment and the Group's share of the net fair value of TLJ's identifiable assets and liabilities and therefore, the Company has retrospectively adjusted the comparative consolidated financial statements for prior periods. As of December 31, 2016, the retrospective adjustments are summarized as follows:

	After Retrospectively Adjusted NT\$	Before Retrospectively Adjusted NT\$
December 31, 2016		
Goodwill	\$ 10,490,309	\$ 10,558,878
Other intangible assets	\$ 1,617,261	\$ 1,560,989
For nine months ended September 30, 2016		
Operating costs	\$ 159,942,771	\$ 159,938,375
Operating expenses	\$ 19,282,626	\$ 19,241,527

The aforementioned retrospective adjustments are accordingly recorded as a decrease in retained earnings of NT\$28,880 thousand as an increase in non-controlling interests of NT\$16,583 thousand as of December 31, 2016.

## 29. DISPOSAL OF SUBSIDIARIES

The Group entered into an agreement to dispose of KSDY. The disposal was completed in June 2017 and as a result, the Group lost its control over KSDY.

## a. Gain on disposal of subsidiaries

NT\$	US\$ (Note 4)
------	------------------



Total consideration	\$7,100,780	\$234,117
Net assets disposed of	(1,457,007)	(48,038 )

Gain on disposal of KSDY	\$5,643,773	\$186,079
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## b. Analysis of assets and liabilities on the date control was lost

	NT\$	US\$ (Note 4)
Current assets		
Cash and cash equivalents	\$29,133	\$961
Inventories related to real estate business	1,427,874	47,078
Net assets disposed of	\$1,457,007	\$48,039

**30. EQUITY TRANSACTION WITH NON-CONTROLLING INTERESTS**

In February 2016, USIE repurchased its own 4,501 thousand outstanding ordinary shares and, as a result, the Group's shareholdings of USIE increased from 96.7% to 98.8%. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USIE and therefore, capital surplus was decreased by NT\$1,912,887 thousand.

In February 2016, the Company disposed 39,603 thousand shares in USI to the Company's subsidiary, UGTW, at NT\$20 per share with a total consideration of NT\$792,064 thousand, as a result, the Group's shareholdings of USI decreased from 99.0% to 76.5%. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USI and therefore, capital surplus was decreased by NT\$20,552 thousand.

In January 2017, USI completed its cash capital increase of NT\$1,000,000 thousand (US\$32,971 thousand) and the Group's shareholdings of USI increased from 75.2% to 75.7% since the Group did not proportional subscribe for additional new shares. The transaction was accounted for as an equity transaction since the Group did not cease to have control over USI and therefore, capital surplus was increased by NT\$3,055 thousand (US\$101 thousand).

**31. NON-CASH TRANSACTIONS**

Except those disclosed in Note 11, for the nine months ended September 30, 2016 and 2017, the Group entered into the following non-cash investing activities which were not reflected in the condensed consolidated statements of cash flows:

		For the Nine Months Ended September 30		
		2016	2017	
		NT\$	NT\$	US\$ (Note 4)

Payments for property, plant and equipment			
Purchase of property, plant and equipment	\$21,284,821	\$18,585,243	\$612,768
Increase (Decrease) in prepayments for property, plant and equipment (recorded under the line item of other non-current assets)	(29,653 )	158,982	5,242
Decrease (Increase) in payables for property, plant and equipment	(825,229 )	1,198,765	39,524
Capitalized borrowing costs	(38,828 )	(45,653 )	(1,506 )
	\$20,391,111	\$19,897,337	\$656,028

(Continued)

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	For the Nine Months Ended		
	September 30		
	2016	2017	US\$ (Note 4)
	NT\$	NT\$	
Proceeds from disposal of property, plant and equipment			
Consideration from disposal of property, plant and equipment	\$439,798	\$1,453,801	\$47,933
Decrease (Increase) in other receivables	(310,537)	16,991	560
	\$129,261	\$1,470,792	\$48,493
Payments for other intangible assets			
Purchase of other intangible assets	\$687,528	\$196,227	\$6,470
Increase (decrease) in payables for patents (recorded under the line item of other payables)	(313,600)	40,106	1,322
	\$373,928	\$236,333	\$7,792
Net cash inflow from disposal of subsidiaries			
Consideration from disposal of subsidiaries	\$-	\$7,100,780	\$234,117
Increase in other receivables	-	(3,548,444)	(116,994)
Increase in other payables	-	3,552	117
Cash and cash equivalent disposed of	-	(29,133 )	(961 )
	\$-	\$3,526,755	\$116,279
(Concluded)			

**32.****OPERATING LEASE ARRANGEMENTS**

Except those discussed in Note 18, the Company and its subsidiary, ASE Test, Inc., lease the land on which their buildings are located under various operating lease agreements with the ROC government expiring through January 2037. The agreements grant these entities the option to renew the leases and reserve the right for the lessor to adjust the lease payments upon an increase in the assessed value of the land and to terminate the leases under certain conditions. In addition, the Group leases buildings, machinery and equipment under operating leases.

The subsidiaries' offices located in China, U.S.A. and Japan, etc. are leased from third parties and the lease term will expire through 2017 to 2023 with the option to renew the leases upon expiration.

The Group recognized rental expense of NT\$1,073,013 thousand and NT\$910,084 thousand (US\$30,006 thousand) for the nine months ended September 30, 2016 and 2017, respectively, from the aforementioned operating lease arrangements and the land use rights disclosed in Note 18.

As of September 30, 2017, the future minimum lease payments of non-cancellable operating lease commitments were as follows:

	NT\$	US\$ (Note 4)
Less than 1 year	\$269,353	\$8,881
1 to 5 years	471,824	15,556
More than 5 years	401,385	13,234
	\$1,142,562	\$37,671

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### 33. CAPITAL MANAGEMENT

The capital structure of the Group consists of debt and equity. The Group manages its capital to ensure that entities in the Group will be able to continue as going concerns while maximizing the return to shareholders through the optimization of the debt and equity balance. Key management personnel of the Group periodically reviews the cost of capital and the risks associated with each class of capital. In order to balance the overall capital structure, the Group may adjust the amount of dividends paid to shareholders, the number of new shares issued or repurchased, and the amount of new debt issued or existing debt redeemed.

The Group is not subject to any externally imposed capital requirements except those discussed in Note 19.

### 34. FINANCIAL INSTRUMENTS

a. Fair value of financial instruments that are not measured at fair value

1) Fair value of financial instruments not measured at fair value but for which fair value is disclosed

Except bonds payable measured at amortized cost, the management considers that the carrying amounts of financial assets and financial liabilities not measured at fair value approximate their fair values. The carrying amounts and fair value of bonds payable as of December 31, 2016 and September 30, 2017, respectively, were as follows:

	Carrying Amount		Fair Value	
	NT\$	US\$ (Note 4)	NT\$	US\$ (Note 4)
December 31, 2016	\$36,999,903		\$37,300,356	
September 30, 2017	23,117,376	\$762,195	23,209,581	\$765,235

2) Fair value hierarchy

The aforementioned fair value hierarchy of bonds payable was Level 3 in terms of IFRS 13 which was determined based on discounted cash flows analysis with the applicable yield curve for the duration or the latest trading prices.

b. Fair value of financial instruments that are measured at fair value on a recurring basis

1) Fair value hierarchy

	Level 1	Level 2	Level 3	Total
	NT\$	NT\$	NT\$	NT\$

December 31, 2016

Financial assets at FVTPL

Financial assets designated as at FVTPL

Private-placement convertible bonds	\$ -	\$ 100,583	\$ -	\$ 100,583
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Derivative financial assets

Swap contracts	-	462,339	-	462,339
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Forward exchange contracts	-	66,872	-	66,872
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(Continued)

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	Level 1 NT\$	Level 2 NT\$	Level 3 NT\$	Total NT\$
Non-derivative financial assets held for trading				
Quoted shares	\$1,855,073	\$-	\$-	\$1,855,073
Open-end mutual funds	584,945	-	-	584,945
	\$2,440,018	\$629,794	\$-	\$3,069,812
Available-for-sale financial assets				
Unquoted shares	\$-	\$-	\$631,418	\$631,418
Limited Partnership	-	-	273,372	273,372
Open-end mutual funds	243,458	-	-	243,458
Quoted shares	146,786	-	-	146,786
	\$390,244	\$-	\$904,790	\$1,295,034
Financial liabilities at FVTPL				
Derivative financial liabilities				
Conversion option, redemption option and put option of convertible bonds	\$-	\$1,213,890	\$-	\$1,213,890
Swap contracts	-	422,934	-	422,934
Forward exchange contracts	-	108,912	-	108,912
Foreign currency option contracts	-	17,924	-	17,924
	\$-	\$1,763,660	\$-	\$1,763,660

(Concluded)

	Level 1 NT\$	US\$ (Note 4)	Level 2 NT\$	US\$ (Note 4)	Level 3 NT\$	US\$ (Note 4)	Total NT\$	US\$ (Note 4)
September 30, 2017								
Financial assets at FVTPL								
Financial assets designated as at FVTPL								
Private-placement convertible bonds	\$-	\$-	\$100,570	\$3,316	\$-	\$-	\$100,570	\$3,316
Derivative financial assets								
Swap contracts	-	-	299,677	9,881	-	-	299,677	9,881



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Forward exchange contracts	-	-	44,741	1,475	-	-	44,741	1,475
Non-derivative financial assets held for trading								
Quoted shares	2,306,794	76,056	-	-	-	-	2,306,794	76,056
Open-end mutual funds	588,118	19,391	-	-	-	-	588,118	19,391
	\$2,894,912	\$95,447	\$444,988	\$14,672	\$-	\$-	\$3,339,900	\$110,119
Available-for-sale financial assets								
Unquoted shares	\$-	\$-	\$-	\$-	\$643,957	\$21,232	\$643,957	\$21,232
Limited partnership	-	-	-	-	263,147	8,676	263,147	8,676
Quoted shares	261,924	8,636	-	-	-	-	261,924	8,636
Open-end mutual funds	23,175	764	-	-	-	-	23,175	764
	\$285,099	\$9,400	\$-	\$-	\$907,104	\$29,908	\$1,192,203	\$39,308
Financial liabilities at FVTPL								
Derivative financial liabilities								
Swap contracts	-	-	747,465	24,644	-	-	747,465	24,644
Forward exchange contracts	-	-	56,460	1,862	-	-	56,460	1,862
	\$-	\$-	\$803,925	\$26,506	\$-	\$-	\$803,925	\$26,506

For the financial assets and liabilities that were measured at fair value on a recurring basis there were no transfers between Level 1 and Level 2 of the fair value hierarchy for the nine months ended September 30, 2016 and 2017.

## 2) Reconciliation of Level 3 fair value measurements of financial assets

The financial assets measured at Level 3 fair value hierarchy were equity investments with no quoted prices and classified as available-for-sale financial assets - non-current. Reconciliations for the nine months ended September 30, 2016 and 2017 were as follows:

	For the Nine Months Ended		
	September 30		
	2016	2017	US\$
	NT\$	NT\$	(Note 4)
Balance at January 1	\$741,089	\$904,790	\$29,832
Purchases	297,678	2,649	87
Total gains or losses recognized			
In profit or loss	(10,734 )	28	1
In other comprehensive income	(29,525 )	(335 )	(11 )
Disposals	(28,927 )	(28 )	(1 )
Balance at September 30	\$969,581	\$907,104	\$29,908

## 3) Valuation techniques and assumptions applied for the purpose of measuring fair value

## a) Valuation techniques and inputs applied for the purpose of measuring Level 2 fair value measurement

**Financial Instruments**

Derivatives - swap contracts, forward exchange contracts, foreign currency option contracts and interest rate swap contracts

Derivatives - conversion option, redemption option and put option of convertible bonds

Private-placement convertible bonds

**Valuation Techniques and Inputs**

Discounted cash flows - Future cash flows are estimated based on observable forward exchange rates or interest rates at balance sheet dates and contract forward exchange rates or interest rates, discounted at rates that reflected the credit risk of various counterparties.

Option pricing model - Incorporation of present value techniques and reflect both the time value and the intrinsic value of options

Discounted cash flows - Future cash flows are estimated based on observable forward interest rates and stock prices at balance sheet dates and contract interest rates and conversion prices, discounted at rates that reflected the credit risk of various counterparties.

## b) Valuation techniques and inputs applied for the purpose of measuring Level 3 fair value measurement

The fair value of the Group's investments in unquoted shares on Level 3 fair value measurement were measured using market approach based on investees' recent financing activities, technical development, valuation of investees comparable companies, market conditions and other economic indicators.

The fair values of investments in limited partnership are measured by estimating future cash inflows from disposal (net of transaction cost). The Group recognized an impairment loss of NT\$0 thousand and NT\$50,206 thousand (US\$1,655 thousand) under the line item of other gains (losses) in the condensed consolidated statements of comprehensive income for the nine months ended September 30, 2016 and 2017, respectively.

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## c. Categories of financial instruments

	December 31, 2016	September 30, 2017	US\$ (Note 4)
	NT\$	NT\$	
Financial assets			
FVTPL			
Designated as at FVTPL	\$ 100,583	\$ 100,570	\$ 3,316
Held for trading	2,969,229	3,239,330	106,803
Available-for-sale financial assets	1,295,034	1,192,203	39,308
Loans and receivables (Note 1)	92,082,628	97,243,458	3,206,180
Financial liabilities			
FVTPL			
Held for trading	1,763,660	803,925	26,506
Measured at amortized cost (Note 2)	168,397,006	142,587,867	4,701,216

Note 1: The balances included loans and receivables measured at amortized cost which comprise cash and cash equivalents, trade and other receivables and other financial assets.

Note 2: The balances included financial liabilities measured at amortized cost which comprise short-term borrowings, trade and other payables, bonds payable and long-term borrowings.

## d. Financial risk management objectives and policies

The derivative instruments used by the Group are to mitigate risks arising from ordinary business operations. All derivative transactions entered into by the Group are designated as either hedging or trading. Derivative transactions entered into for hedging purposes must hedge risk against fluctuations in foreign exchange rates and interest rates arising from operating activities. The currencies and the amount of derivative instruments held by the Group must match its hedged assets and liabilities denominated in foreign currencies.

The Group's risk management department monitors risks to mitigate risk exposures, reports unsettled position, transaction balances and related gains or losses to the Group's chief financial officer on monthly basis.

1) Market risk

The Group's activities exposed it primarily to the financial risks of changes in foreign currency exchange rates and interest rates. Gains or losses arising from fluctuations in foreign currency exchange rates of a variety of derivative financial instruments were approximately offset by those of hedged items. Interest rate risk was not significant due to the cost of capital was expected to be fixed.

There had been no change to the Group's exposure to market risks or the manner in which these risks were managed and measured.

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a) Foreign currency exchange rate risk

The Group had sales and purchases as well as financing activities denominated in foreign currency which exposed the Group to foreign currency exchange rate risk. The Group entered into a variety of derivative financial instruments to hedge foreign currency exchange rate risk to minimize the fluctuations of assets and liabilities denominated in foreign currencies.

The carrying amounts of the Group's foreign currency denominated monetary assets and liabilities (including those eliminated upon consolidation) as well as derivative instruments which exposed the Group to foreign currency exchange rate risk at each balance sheet date are presented in Note 38.

The Group was principally subject to the impact to exchange rate fluctuation in US\$ and JPY against NT\$ or CNY. 1% is the sensitivity rate used when reporting foreign currency exchange rate risk internally to key management personnel and represents management's assessment of the reasonably possible change in foreign currency exchange rates. The sensitivity analysis included financial assets and liabilities and inter-company receivables and payables within the Group. The changes in profit before income tax due to a 1% change in U.S. dollars and Japanese yen both against NT\$ and CNY would be NT\$218,000 thousand and NT\$112,000 thousand (US\$3,693 thousand) for the nine months ended September 30, 2016 and 2017, respectively. Hedging contracts and hedged items have been taken into account while measuring the changes in profit before income tax. The aforementioned sensitivity analysis mainly focused on the foreign currency monetary items at each balance sheet date. As the period-end exposure did not reflect the exposure for the nine months ended September 30, 2016 and 2017, the aforementioned sensitivity analysis was unrepresentative of those periods.

b) Interest rate risk

Except a portion of long-term borrowings and bonds payable at fixed interest rates, the Group was exposed to interest rate risk because group entities borrowed funds at floating interest rates. Changes in market interest rates will lead to variances in effective interest rates of borrowings from which the future cash flow fluctuations arise. The Group entered into a variety of derivative financial instruments to hedge interest rate risk to minimize the fluctuations of assets and liabilities denominated in interest rate.

The carrying amounts of the Group's financial assets and financial liabilities with exposure to interest rates at each balance sheet date were as follows:

December 31, 2016	<b>September 30, 2017</b>	
NT\$	NT\$	US\$ (Note 4)

Fair value interest rate risk

Financial liabilities	\$30,243,887	\$19,064,600	\$628,572
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Cash flow interest rate risk

Financial assets	29,977,709	26,250,636	865,501
Financial liabilities	65,800,323	52,462,269	1,729,715

For assets and liabilities with floating interest rates, a 100 basis point increase or decrease was used when reporting interest rate risk internally to key management personnel. If interest rates had been 100 basis points (1%) higher or lower and all other variables held constant, the Group's profit before income tax for the nine months ended September 30, 2016 and 2017 would have decreased or increased approximately by NT\$320,000 thousand and NT\$197,000 thousand (US\$6,495 thousand), respectively. Hedging contracts and hedged items have been taken into account while measuring the changes in profit before income tax. The aforementioned sensitivity analysis mainly focused on the interest rate items at the each balance

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sheet date. As the period-end exposure did not reflect the exposure for the nine months ended September 30, 2016 and 2017, the aforementioned sensitivity analysis was unrepresentative of those periods.

c) Other price risk

The Group was exposed to equity or debt price risk through its investments in financial assets at FVTPL, including private-placement convertible bonds, quoted shares, and open-end mutual funds, as well as available-for-sale financial assets. If equity or debt prices were 1% higher or lower, profit before income tax for the nine months ended September 30, 2016 and 2017 would have increased or decreased approximately by NT\$7,200 thousand and NT\$30,000 thousand (US\$989 thousand), respectively, and other comprehensive income before income tax for the nine months ended September 30, 2016 and 2017 would have increased or decreased approximately by NT\$12,000 thousand (US\$396 thousand).

In addition, the Group was also exposed to the Company's ordinary share price risk through Bonds Options recognized as financial liabilities held for trading. 7% is the sensitivity rate used when reporting price risk internally to key management personnel. If the Company's ordinary share price increased or decreased by 7%, profit before income tax for the nine months ended September 30, 2016 would have decreased approximately by NT\$644,000 thousand, or increased approximately by NT\$528,000 thousand, respectively.

2) Credit risk

Credit risk refers to the risk that counterparty will default on its contractual obligations resulting in financial loss to the Group. The Group's credit risk arises from cash and cash equivalents, receivables and other financial assets. The Group's maximum exposure to credit risk was the carrying amounts of financial assets in the consolidated balance sheets.

The Group dealt with counterparties creditworthy and has a credit policy and trade receivable management procedures to ensure recovery and evaluation of trade receivables. Except for those discussed in Note 9, the Group's counterparties consisted of a large number of customers and banks and there was no significant concentration of credit risk exposure.

3) Liquidity risk

The Group manages liquidity risk by maintaining adequate working capital and banking facilities to fulfill the demand for cash flow used in the Group's operation and capital expenditure. The Group also monitors its compliance with all the loan covenants. Liquidity risk is not considered to be significant.



In the table below, financial liabilities with a repayment on demand clause were included in the earliest time band regardless of the probability of counter-parties choosing to exercise their rights. The maturity dates for other non-derivative financial liabilities were based on the agreed repayment dates.

To the extent that interest flows are floating rate, the undiscounted amounts were derived from the interest rates at each balance sheet date.

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	<b>On Demand or Less than 1 Month</b>	<b>1 to 3 Months</b>	<b>3 Months to 1 Year</b>	<b>1 to 5 Years</b>	<b>More than 5 Years</b>
	NT\$	NT\$	NT\$	NT\$	NT\$
December 31, 2016					
Non-derivative financial liabilities					
Non-interest bearing	\$23,907,221	\$20,553,395	\$4,360,322	\$42,285	\$190,941
Floating interest rate liabilities	9,733,727	5,232,407	6,634,931	44,504,416	1,728,448
Fixed interest rate liabilities	5,360,644	1,019,221	10,549,983	28,553,095	2,062,500
	\$39,001,592	\$26,805,023	\$21,545,236	\$73,099,796	\$3,981,889

September 30, 2017

Non-derivative financial liabilities					
Non-interest bearing	\$32,269,355	\$16,114,887	\$4,270,517	\$27,782	\$179,485
Floating interest rate liabilities	8,943,728	4,493,645	8,809,353	30,518,169	1,446,822
Fixed interest rate liabilities	3,138,643	1,953,601	6,444,055	13,415,160	6,462,396
	\$44,351,726	\$22,562,133	\$19,523,925	\$43,961,111	\$8,088,703

	<b>On Demand or Less than 1 Month</b>	<b>1 to 3 Months</b>	<b>3 Months to 1 Year</b>	<b>1 to 5 Years</b>	<b>More than 5 Years</b>
	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)	US\$ (Note 4)

September 30, 2017

Non-derivative financial liabilities					
Non-interest bearing	\$1,063,942	\$531,318	\$140,802	\$916	\$5,918
Floating interest rate liabilities	294,881	148,158	290,450	1,006,204	47,703
Fixed interest rate liabilities	103,483	64,412	212,465	442,307	213,069
	\$1,462,306	\$743,888	\$643,717	\$1,449,427	\$266,690

The amounts included above for floating interest rate instruments for non-derivative financial liabilities was subject to change if changes in floating interest rates were to differ from those estimates of interest rates determined at each balance sheet date.

The following table detailed the Group's liquidity analysis for its derivative financial instruments. The table was based on the undiscounted contractual net cash inflows and outflows on derivative instruments that settle on a net basis, and

the undiscounted gross cash inflows and outflows on those derivatives that require gross settlement. When the amounts payable or receivable are not fixed, the amounts disclosed was determined by reference to the projected interest rates as illustrated by the yield curves at each balance sheet date.

	<b>On Demand or Less than</b>	1 to 3 Months	<b>3 Months to</b>
	<b>1 Month NT\$</b>	NT\$	<b>1 Year NT\$</b>
December 31, 2016			
Net settled			
Forward exchange contracts	\$22,680	\$13,320	\$ -
Foreign currency option contracts	\$(344	) \$-	\$ -
Gross settled			
Forward exchange contracts			
Inflows	\$5,134,196	\$912,213	\$ -
Outflows	(5,245,724)	(915,900)	-
	(111,528 )	(3,687 )	-

(Continued)

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	<b>On Demand or Less than 1 Month NT\$</b>	<b>1 to 3 Months NT\$</b>	<b>3 Months to 1 Year NT\$</b>
Swap contracts			
Inflows	\$5,345,159	\$17,399,695	\$43,537,500
Outflows	(5,439,190 )	(17,540,927 )	(42,882,201 )
	(94,031 )	(141,232 )	655,299
	\$(205,559 )	\$(144,919 )	\$655,299

September 30, 2017

Net settled			
Forward exchange contracts	\$(60 )	\$35,000	\$-
Gross settled			
Forward exchange contracts			
Inflows	\$3,757,497	\$1,572,050	\$-
Outflows	(3,779,092 )	(1,579,412 )	-
	(21,595 )	(7,362 )	-
Swap contracts			
Inflows	16,718,797	14,804,391	37,287,450
Outflows	(16,776,093)	(15,205,080)	(36,802,430)
	(57,296 )	(400,689 )	485,020
	\$(78,891 )	\$(408,051 )	\$485,020

(Concluded)

	<b>On Demand or Less than 1 Month US\$ (Note 4)</b>	<b>1 to 3 Months US\$ (Note 4)</b>	<b>3 Months to 1 Year US\$ (Note 4)</b>
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September 30, 2017

Net settled			
Forward exchange contracts	\$(2 )	\$1,154	\$-
Gross settled			

Forward exchange contracts

Inflows	\$ 123,887	\$ 51,831	\$ -
Outflows	(124,599)	(52,074 )	-
	(712 )	(243 )	-

Swap contracts

Inflows	551,230	488,110	1,229,392
Outflows	(553,119)	(501,321)	(1,213,400)
	(1,889 )	(13,211 )	15,992

\$(2,601 ) \$(13,454 ) \$ 15,992

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## e. Reconciliation of liabilities arising from financing activities

The table below details changes in the Group's liabilities arising from financing activities, including both cash and non-cash changes. Liabilities arising from financing activities are those for which cash flows were, of future cash flows will be, classified in the Group's condensed consolidated statement of cash flows as cash flows from financing activities.

For the nine months ended September 30, 2017

	Short-term borrowings NT\$	Bonds payable NT\$	Long-term borrowings NT\$	Total NT\$
Balance at January 1, 2017	\$20,955,522	\$36,999,903	\$53,115,563	\$111,070,988
Financing cash flows	(631,277 )	(1,123,972 )	(12,982,216)	(14,737,465 )
Non-cash changes				
Amortization of issuance cost	-	294,059	4,196	298,255
Converted to ordinary shares in current period	-	(11,650,369)	-	(11,650,369 )
Effects of exchange rate changes	(685,855 )	(1,402,245 )	(772,507 )	(2,860,607 )
Balance at September 30, 2017	\$19,638,390	\$23,117,376	\$39,365,036	\$82,120,802

	Short-term borrowings US\$ (Note 4)	Bonds payable US\$ (Note 4)	Long-term borrowings US\$ (Note 4)	Total US\$ (Note 4)
Balance at January 1, 2017	\$690,917	\$1,219,911	\$1,751,255	\$3,662,083
Financing cash flows	(20,814 )	(37,058 )	(428,032 )	(485,904 )
Non-cash changes				
Amortization of issuance cost	-	9,695	138	9,833
Converted to ordinary shares in current period	-	(384,120 )	-	(384,120 )
Effects of exchange rate changes	(22,612 )	(46,233 )	(25,470 )	(94,315 )
Balance at September 30, 2017	\$647,491	\$762,195	\$1,297,891	\$2,707,577

**35.****RELATED PARTY TRANSACTIONS**

Balances and transactions within the Group had been eliminated upon consolidation. Details of transactions between the Group and other related parties were disclosed as follows:

a. Related parties

Except those disclosed in Note 13 and NXP B.V. accounted for as a related party of the Group's subsidiary, ASEN, over which NXP B.V. has significant influence, the related parties were as follows:

<b>Related Parties</b>	<b>Relationship with the Corporation</b>
ASE Cultural and Educational Foundation ("ASE Foundation")	Substantial related party
Fu Hwa Construction Co., Ltd.	Associate

The Company contributed each NT\$100,000 thousand (US\$3,297 thousand) to ASE Foundation in January 2016 and 2017, respectively, for environmental charity in promoting the related domestic environmental protection and public service activities (Note 37).

In the third quarter of 2016, the Company acquired patents and specific technology from DECA at NT\$403,543 thousand, which was primarily based on independent professional appraisal reports. As of September 30 2017, NT\$113,681 thousand (US\$3,748 thousand) has not been paid and was accrued under the line item of other payables.

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d. The Company contracted with Fu Hwa Construction Co., Ltd. to construct a female employee dormitory on current leased land. Total consideration was primarily based on independent professional appraisal reports and NT\$646,500 thousand was paid as of September 30, 2016. The female employee dormitory has been completely constructed as of December 31, 2016 and the total consideration was fully paid in March 2017.

e. In February 2016, USIE repurchased 1,801 thousand shares of USIE's outstanding ordinary shares from the Group's key management personnel with approximately NT\$1,130,650 thousand.

f. Compensation to key management personnel

	For the Nine Months Ended		
	September 30		US\$ (Note 4)
	2016	2017	
NT\$	NT\$		
Short-term employee benefits	\$610,714	\$600,528	\$19,800
Post-employment benefits	2,836	2,803	92
Share-based payments	47,520	9,753	322
	\$661,070	\$613,084	\$20,214

The compensation to the Company's key management personnel is determined according to personal performance and market trends.

**36. ASSETS PLEDGED AS COLLATERAL OR FOR SECURITY**

The following assets were provided as collateral for bank borrowings and the tariff guarantees of imported raw materials:

	December	September 30,	
	31, 2016	2017	
	NT\$	NT\$	US\$ (Note 4)
Inventories related to real estate business	\$16,813,023	\$4,825,338	\$159,094
Investment properties	-	7,068,509	233,053
Land use rights (Long-term prepayments for lease)	-	5,747,793	189,509
Other financial assets (including current and non-current)	220,228	70,304	2,318
	\$17,033,251	\$17,711,944	\$583,974



**37. SIGNIFICANT CONTINGENT LIABILITIES AND UNRECOGNIZED COMMITMENTS**

In addition to those disclosed in other notes, significant commitments and contingencies of the Group as of each balance sheet date were as follows:

As of December 31, 2016 and September 30, 2017, unused letters of credit of the Group were approximately  
<sup>a</sup> NT\$97,000 thousand and NT\$36,000 thousand (US\$1,187 thousand), respectively.

As of December 31, 2016 and September 30, 2017, outstanding commitments to purchase property, plant and  
<sup>b</sup> equipment of the Group were approximately NT\$6,630,957 thousand and NT\$3,924,041 thousand (US\$129,378  
thousand), respectively, of which NT\$668,509 thousand and NT\$384,777 thousand (US\$12,686 thousand) had been  
prepaid, respectively. As of December 31, 2016 and

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September 30, 2017, the commitment that the Group has contracted for the construction related to our real estate business were approximately NT\$1,574,822 thousand and NT\$1,744,599 thousand (US\$57,521 thousand), respectively.

In consideration of corporate social responsibility for environmental protection, the Company's board of directors, in c. December 2013, approved contributions to be made in the next 30 years, at a total amount of NT\$3,000,000 thousand, at the minimum, to environmental protection efforts in Taiwan.

### 38. SIGNIFICANT ASSETS AND LIABILITIES DENOMINATED IN FOREIGN CURRENCIES

The following information was aggregated by the foreign currencies other than functional currencies of the group entities and the exchange rates between foreign currencies and respective functional currencies were disclosed. The significant assets and liabilities denominated in foreign currencies were as follows:

	<b>Foreign Currencies</b>	Exchange Rate	<b>Carrying Amount</b>
	<b>(In Thousand)</b>		<b>(In Thousand)</b>
December 31, 2016			
Monetary financial assets			
US\$	\$ 3,106,557	US\$1=NT\$32.25	\$ 100,186,466
US\$	1,020,769	US\$1=CNY6.9370	32,919,814
JPY	4,976,309	JPY1=NT\$0.2756	1,371,471
JPY	9,277,760	JPY1=US\$0.0085	2,556,951
Monetary financial liabilities			
US\$	3,013,288	US\$1=NT\$32.25	97,178,536
US\$	891,487	US\$1=CNY6.9370	28,750,462
JPY	5,881,716	JPY1=NT\$0.2756	1,621,001
JPY	9,543,756	JPY1=US\$0.0085	2,630,259
September 30, 2017			
Monetary financial assets			
US\$	3,267,105	US\$1=NT\$30.315	99,042,297
US\$	936,859	US\$1=CNY6.6369	28,400,886
JPY	4,531,368	JPY1=NT\$0.2697	1,222,110
JPY	8,673,633	JPY1=US\$0.0089	2,339,279
Monetary financial liabilities			
US\$	2,933,131	US\$1=NT\$30,315	88,917,880
US\$	898,508	US\$1=CNY6.6369	27,238,274

JPY	4,608,452	JPY1=NT\$0.2697	1,242,900
JPY	8,918,097	JPY1=US\$0.0089	2,405,211
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The significant realized and unrealized foreign exchange gain (loss) were as follows:

Foreign Currencies	For the Nine Months Ended		For the Nine Months Ended	
	September 30, 2016	September 30, 2017	September 30, 2016	September 30, 2017
Exchange Rate	Net Foreign Exchange Gain (Loss)	Exchange Rate	Net Foreign Exchange Gain (Loss)	
	NT\$		NT\$	US\$(Note 4)
US\$	US\$1=NT\$31.36	\$(335,549 )	US\$1=NT\$30.315	\$(200,581 ) \$(6,613 )
NT\$		2,553,110		3,209,973 105,835
CNY	CNY1=NT\$4.6962	56,388	CNY1=NT\$4.5676	(255,670 ) (8,430 )
		\$2,273,949		\$2,753,722 \$90,792

### 39. OTHERS

On December 20, 2013, the Kaohsiung Environmental Protection Bureau (“KEPB”) imposed a fine of NT\$102,014 thousand (“the Administrative Fine”) upon the Company for the violation of the Water Pollution Control Act. The Company filed an administrative appeal to nullify the Administrative Fine, which, however, was dismissed by the Kaohsiung City Government. The Company then filed a lawsuit with the Kaohsiung High Administrative Court seeking to revoke the dismissal decision made by the Kaohsiung City Government (the “Administrative Appeal Decision”) and the Administrative Fine, and to demand a refund of the fine paid by the Company. The judgment of the Kaohsiung High Administrative Court was rendered on March 22, 2016, ruling to revoke the Administrative Appeal Decision and the Administrative Fine, and to dismiss the other complaint filed by the Company (i.e., to demand a refund of the fine paid by the Company). The Company appealed against the unfavorable ruling on April 14, 2016. On June 8, 2017, the Supreme Administrative Court handed down a final and unappealable judgment which is in favor of the Company and ordered KEPB to return to the Company the fine already paid by the Company.

For the future development and sustainable development of semiconductor industry, the Company’s board of directors approved in June 2016 to enter into and execute a joint share exchange agreement with SPIL to establish ASE Industrial Holding Co., Ltd. (“HoldCo”) and HoldCo will acquire all issued and outstanding shares of both ASE and SPIL in the way of share exchange. The share exchange will be conducted at an exchange ratio of 1 ordinary share of the Company for 0.5 ordinary share of HoldCo, and at NT\$55 in cash per SPIL’s ordinary share, which has been adjusted to NT\$51.2 after SPIL’s appropriation of earnings in 2016. The estimated cash consideration paid per SPIL’s ordinary share shall not be subject to adjustment if the aggregate amount of the cash dividends distributed by SPIL in 2017 is less than 85% of SPIL’s net profit for the year ended December 31, 2016.

According to the share exchange agreement, the completion of share exchange transaction is subject to the satisfaction or waiver of all conditions precedent. Unless the Company and SPIL entering into another agreement, this share exchange agreement shall be terminated automatically if the aforementioned conditions precedent are not satisfied or to be waived on or before December 31, 2017. On November 24, 2017, the Ministry of Commerce of the People’s

Republic of China announced that it has conditionally approved the proposed transaction. On December 14, 2017, the Company and SPIL entered into an addendum to the aforementioned joint share exchange agreement to amend the definition of Long Stop Date as of October 31, 2018 or a later date. As of the date the condensed consolidated financial statements were authorized for issue by the management, the unsatisfied conditions include the unconditional approvals of the Company and SPIL's shareholders' meeting and, therefore, the share exchange transaction has not been completed.

Due to the aforementioned share exchange agreement, treasury shares of the Company and the convertible bonds embedded with conversion option recognized as equity issued by the Company were affected as follows:

- 1) For the outstanding balance of the Bonds, except where the Bonds have been redeemed or repurchased and cancelled or converted by the holders by exercising their conversion rights before

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the share exchange record date, the holders of the Bonds may, after the Company obtains approval from all relevant competent authorities and after the share exchange record date, convert such outstanding balance into newly issued HoldCo common shares. The conversion shall be subject to applicable laws, the indenture of the Bonds and the share exchange ratio. As of September 30, 2017, the outstanding balance of the Bonds has been fully converted or redeemed.

2) Treasury shares purchased before the share exchange record date for the conversion of the Currency Linked Bonds will be exchanged to HoldCo's ordinary shares, which will still be hold by the Company, based on the agreed share exchange ratio. The conversion price of the Currency Linked Bonds shall also be adjusted in accordance with the agreed share exchange ratio in the joint share exchange agreement.

3) For the employee share options issued by the Company upon the approval from relevant competent authorities before the execution of the joint share exchange agreement, HoldCo will assume the Company's obligations under the employee share options as of the share exchange record date. Except that the exercise price and amount shall be adjusted in accordance with the agreed share exchange ratio and that the shares subject to exercise shall be converted into HoldCo's newly issued ordinary shares, all other terms and conditions for issuance will remain the same. The final execution arrangements shall be made by HoldCo in compliance with relevant laws and regulations and subject to the approval of relevant competent authorities.

#### 40. OPERATING SEGMENTS INFORMATION

The Group has the following reportable segments: Packaging, Testing, EMS and Estate. The Group packages bare semiconductors into finished semiconductors with enhanced electrical and thermal characteristics; provides testing services, including front-end engineering testing, wafer probing and final testing services; engages in the designing, assembling, manufacturing and sale of electronic components and telecommunications equipment motherboards, real estate business in development, sale and leasing. Information about other business activities and operating segments that are not reportable are combined and disclosed in "Others." The Group engages in other activities such as substrate production and real estate business.

The accounting policies for segments are the same as those described in Note 4. The measurement basis for resources allocation and performance evaluation is based on profit before income tax.

Segment information for the nine months ended September 30, 2016 and 2017 was as follows:

Packaging	Testing	EMS	Estate	Others	Adjustment and Elimination	Total
NT\$	NT\$	NT\$	NT\$	NT\$	NT\$	NT\$

For the nine  
months ended  
September 30,  
2016  
(Retrospectively  
Adjusted)

Revenue from external customers	\$91,662,376	\$19,728,887	\$80,768,466	\$3,136,724	\$2,459,021	\$-	\$197,755,474
Inter-segment revenues (Note)	\$3,225,876	\$183,035	\$35,123,433	\$-	\$7,057,756	\$(45,590,100)	\$-
Segment profit before income tax	\$8,542,845	\$5,058,493	\$2,868,374	\$1,462,139	\$469,464	\$-	\$18,401,318

As of  
September 30,  
2016

Segment assets	\$200,691,105	\$42,705,683	\$76,091,008	\$28,592,422	\$12,593,348	\$-	\$360,673,566
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For the nine  
months ended  
September 30,  
2017

Revenue from external customers	\$93,180,402	\$19,603,493	\$90,663,084	\$235,691	\$2,772,484	\$-	\$206,455,154
Inter-segment revenues (Note)	\$3,669,072	\$131,404	\$33,468,135	\$-	\$6,259,786	\$(43,528,397)	\$-
Segment profit before income tax	\$7,705,017	\$5,142,974	\$4,583,065	\$5,416,632	\$339,876	\$-	\$23,187,564

As of  
September 30,  
2017

Segment assets	\$196,731,818	\$40,814,194	\$78,606,614	\$32,959,815	\$10,983,216	\$-	\$360,095,657
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	<b>Packaging</b>	<b>Testing</b>	<b>EMS</b>	<b>Estate</b>	<b>Others</b>	<b>Adjustment and Elimination</b>	<b>Total</b>
	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>	<b>US\$ (Note 4)</b>
For the nine months ended September 30, 2017							
Revenue from external customers	\$3,072,219	\$646,340	\$2,989,221	\$7,771	\$91,411	\$-	\$6,806,962
Inter-segment revenues (Note)	\$120,972	\$4,332	\$1,103,466	\$-	\$206,389	\$(1,435,159)	) \$-
Segment profit before income tax	\$254,039	\$169,567	\$151,107	\$178,590	\$11,206	\$-	\$764,509
As of September 30, 2017							
Segment assets	\$6,486,377	\$1,345,671	\$2,591,712	\$1,086,706	\$362,124	\$-	\$11,872,590

Note: Inter-segment revenues were eliminated upon consolidation.



**Annex E-1**

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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**FORM 20-F**

**(Mark One)**

**Registration statement pursuant to Section 12(b) or 12(g) of the Securities Exchange Act of 1934**  
**or**

**Annual report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**  
**For the fiscal year ended December 31, 2016**

**or**

**Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**  
**For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**or**

**Shell company report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**  
**Date of event requiring this shell company report**

**Commission file number 000-30702**

**Siliconware Precision Industries Co., Ltd.**

**(Exact Name of Registrant as Specified in Its Charter)**

**Taiwan, Republic of China**

**(Jurisdiction of Incorporation or Organization)**

**No. 123, Sec. 3, Da Fong Road, Tantz, Taichung, Taiwan, ROC**

**(Address of Principal Executive Offices)**

**Eva Chen, telephone: +886 (4) 2534-1525, fax: +886 (4) 2534-6278,**

**No. 123, Sec. 3, Da Fong Road, Tantz, Taichung, Taiwan, ROC**

**(Name, Telephone, E-mail and/or Facsimile number and Address of Company Contact Person)**

**Securities registered or to be registered pursuant to Section 12(b) of the Act:**

<b>Title of Each Class</b>	<b>Name of Each Exchange On Which Registered</b>
<b>American Depositary Shares, each representing 5 Common Shares</b>	<b>The NASDAQ Stock Market LLC  (The NASDAQ Global Select Market)</b>
<b>Common Shares, par value NT\$10 per share</b>	<b>The NASDAQ Stock Market LLC  (The NASDAQ Global Select Market)*</b>

\* Not for trading, but only in connection with the registration of American Depositary Shares representing such Common Shares pursuant to the requirements of the Securities and Exchange Commission.

**Securities registered or to be registered pursuant to Section 12(g) of the Act:**

**None**

**Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act:**

**None**

Indicate the number of outstanding shares of each of the Issuer's classes of capital or common stock as of the close of the period covered by the annual report.

**3,116,361,139 Common Shares were outstanding as of December 31, 2016**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes No

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

Yes No

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP

International Financial Reporting Standards as issued by the International Accounting Standards Board Other

If "Other" has been checked in response to the previous question, indicate by check mark which financial statement item the registrant has elected to follow. Item 17 Item 18

If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Securities Exchange Act of 1934).

Yes No

{ APPLICABLE ONLY TO ISSUERS INVOLVED IN BANKRUPTCY PROCEEDINGS DURING THE PAST FIVE YEARS }

Indicate by check mark whether the registrant has filed all documents and reports required to be filed by Sections 12, 13 or 15(d) of the Securities Exchange Act of 1934 subsequent to the distribution of securities under a plan confirmed by a court.

Yes

No

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**SILICONWARE PRECISION INDUSTRIES CO., LTD.**

**FORM 20-F ANNUAL REPORT**

**FISCAL YEAR ENDED DECEMBER 31, 2016**

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**Supplemental Information**

All references to we, us, our and our company in this annual report are to Siliconware Precision Industries Co., Ltd and its consolidated subsidiaries, unless the context otherwise requires. All references to shares and common shares are to our common shares, par value NT\$10 per share, and to ADSs are to our American depositary shares, each of which represents five of our common shares. We have an ADS facility with JPMorgan Chase Bank, N.A. acting as depositary under a third amended and restated deposit agreement, dated as of January 6, 2015. All references to Taiwan are to the island of Taiwan and other areas under the effective control of the Republic of China. All references to the government or the Republic of China government are to the government of the Republic of China. All references to the Securities and Futures Bureau are to the Securities and Futures Bureau of the Republic of China or its predecessors, as applicable. ROC GAAP means the generally accepted accounting principles of the Republic of China, and U.S. GAAP means the generally accepted accounting principles of the United States. All references to IFRS in this annual report are references to the International Financial Reporting Standards as issued by the International Accounting Standard Board.

The financial statements included in this annual report are prepared in accordance with International Financial Reporting Standards, or IFRS, as issued by the International Accounting Standards Board, or IASB. The consolidated financial statements included in our annual reports on Form 20-F previously filed with the U.S. Securities and Exchange Commission, or the SEC, in respect of the years before 2013 were prepared in accordance with U.S. GAAP.

In accordance with the requirements of the Republic of China Financial Supervisory Commission, or the FSC, beginning on January 1, 2013, we have adopted IFRS as endorsed by the FSC, or Taiwan IFRS, for reporting our annual and interim consolidated financial statements in the ROC. There are certain material differences between Taiwan IFRS and IFRS. We will furnish a report on Form 6-K in March 2017 explaining the impacts of differences between Taiwan IFRS and IFRS with respect to our consolidated financial results in 2016.

Any discrepancies in any table between totals and sums of the amounts listed are due to rounding. Unless otherwise indicated, or the context otherwise requires, references in this annual report to financial and operational data for a particular year refer to the fiscal year of our company ended December 31 of that year.

We publish our consolidated financial statements in New Taiwan dollars, the lawful currency of the Republic of China. In this annual report, NT\$ , NTD and NT dollars mean New Taiwan dollars, \$, US\$ and U.S. dollars mean United States dollars.

**Forward-Looking Statements in This Annual Report May Not Be Accurate**

Our disclosure and analysis in this annual report contain or incorporate by reference some forward-looking statements. Our forward-looking statements contain information regarding, among other things, our financial condition, future expansion plans and business strategy. We have based these forward-looking statements on our current expectations and projections about future events. You can identify these statements by the fact that they do not relate strictly to historical or current facts. Although we believe that these expectations and projections are reasonable, such forward-looking statements are inherently subject to risks, uncertainties and assumptions about us, including, among other things:

the intensely competitive semiconductor and personal computer industries and markets;

risks associated with international business activities;

our dependence on key personnel;

natural disasters, such as earthquakes and droughts, which are beyond our control;

general economic and political conditions, including those related to the semiconductor and personal computer industries;

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possible disruptions in commercial activities caused by human-induced disasters, including terrorist activity and armed conflict, and outbreaks of contagious diseases, such as avian influenza which reduce end-user purchases relative to expectations and orders;

fluctuations in foreign currency exchange rates;

additional disclosures we make in our previous and future Form 20-F annual reports and Form 6-K periodic reports to the Securities and Exchange Commission, or the SEC; and

those other risks identified in Item 3. Key Information D. Risk Factors of this annual report.

The words anticipate, believe, estimate, expect, intend, plan, will, shall and similar expressions, as they are intended to identify a number of these forward-looking statements. We undertake no obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise. In light of these risks, uncertainties and assumptions, the forward-looking events discussed in this annual report might not occur and our actual results could differ materially from those anticipated in these forward-looking statements.

**PART I**

**Item 1. Identity of Directors, Senior Management and Advisers**

Not applicable.

**Item 2. Offer Statistics and Expected Timetable**

Not applicable.

**Item 3. Key Information**

***A. Selected Financial Data***

The selected consolidated financial data set forth below as of and for the years ended December 31, 2012, 2013, 2014, 2015 and 2016 have been derived from our audited consolidated financial statements which have been prepared in accordance with IFRS.

The selected financial data shown below should be read in conjunction with Item 5. Operating and Financial Review and Prospects, and the financial statements and the notes to those statements included elsewhere in this annual report.

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	Years Ended December 31,					
	2012	2013	2014	2015	2016	
	NT\$	NT\$	NT\$	NT\$	NT\$	US\$(1)
	(in millions, except earnings or dividends per share and per ADS data)					
<b>Income Statement Data:</b>						
Net operating revenues	64,655	69,356	83,071	82,840	85,112	2,626.9
Operating costs	(52,916)	(54,926)	(62,081)	(61,231)	(65,762)	(2,029.7)
Gross profit	11,739	14,430	20,990	21,609	19,350	597.2
Operating expenses	(5,351)	(7,391)	(7,169)	(8,355)	(8,564)	(264.3)
Other income and expenses	5	61	284	(256)	(117)	(3.6)
Operating profit	6,392	7,100	14,105	12,998	10,669	329.3
Equity investment gain( loss)	(9)	(85)	(172)	(184)	3	0.1
Interest income	118	103	156	155	148	4.6
Other gains and losses	237	437	483	58	(104)	(3.2)
Finance costs	(197)	(271)	(403)	(565)	(562)	(17.4)
Impairment loss	(95)		(442)	(1,856)		
Gains (losses) on disposal of investments	231	(4)	639	127	217	6.7
Gains (losses) on financial liabilities at fair value through profit or loss			(321)	(703)	1,025	31.6
Dividends income	115	169	223	347	278	8.6
Income before income tax	6,792	7,449	14,268	10,377	11,674	360.3
Income tax expense	(1,230)	(1,607)	(3,050)	(1,366)	(1,867)	(57.6)
Net income	5,562	5,842	11,218	9,011	9,807	302.7
<b>Earnings per share</b>						
Basic	1.81	1.89	3.60	2.89	3.15	0.10
Diluted	1.80	1.87	3.57	2.86	2.65	0.08
<b>Shares used in per share calculation (average)</b>						
Basic	3,078	3,098	3,116			