



Investor Presentation



Safe Harbor Notice

- Zhen Ding Technology Holding's statements of its current expectations are forward looking statements subject to significant risks and uncertainties and actual results may differ materially from those contained in the forward-looking statements.
- Except as required by law, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events, or otherwise.



ZDT At a Glance



#1

PCB Manufacturer Worldwide

2006 Founded

(Former Foxconn Advanced Tech, 1999)

Taoyuan, Taiwan

Headquarters

44,300

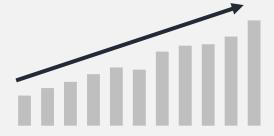
Employees (2021 average)



2011-2021

Revenue CAGR

+13%



1,190+



Patents Obtained

2,780+

Patents Applied

NT\$155.0 Bn

Revenue in 2021 (+18.1% YoY)

NT\$104.7 Bn 16.9%

Market Cap as of March, 2022

10Y Average ROE

Revenue Breakdown – By Applications



- IC Substrate
- Computers and Consumer Electronics
- Mobile Communication







1 Company Strategy

AGENDA

2 Business Roadmap and Execution

3 4Q21 & 2021 Financial Results

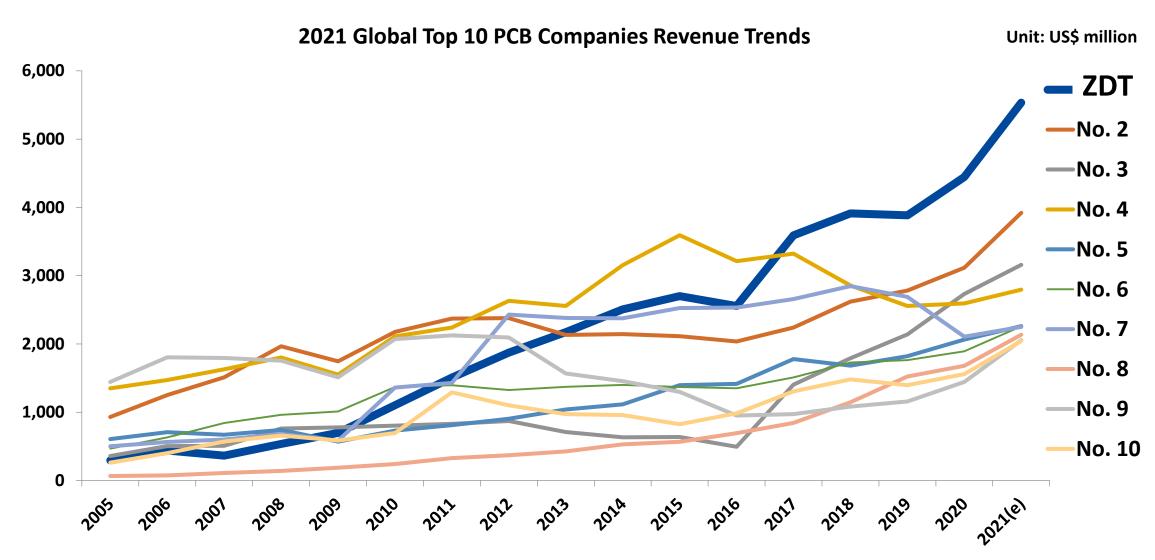


Company Strategy





ZDT Has Maintained Robust Revenue Growth

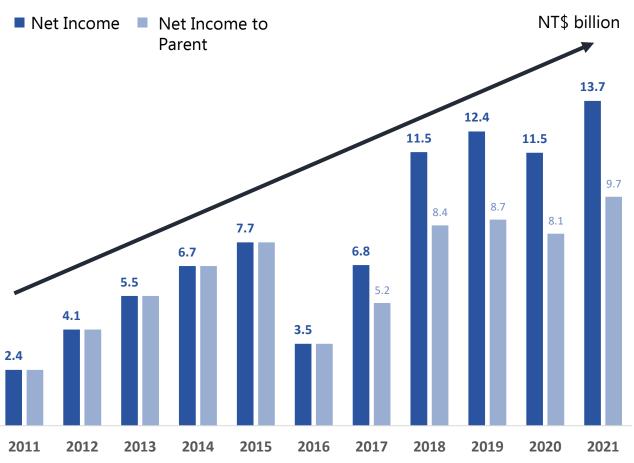


Source: NT Information; Prismark (2022/02)



臻鼎科技控的ur Strategy Brings Us Robust Earning Growth







Global Leading PCB Companies

Unit: US\$100 million

Rank	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1	СМК	СМК	Sanmina	Ibiden	Ibiden	Mektron	Ibiden	Ibiden	Ibiden	Ibiden	UMTC	UMTC
1	10.31	11.55	15.00	9.09	9.32	11.75	12.26	14.44	18.03	17.94	19.66	17.46
•	Viasystems	Ibiden	Viasystems	СМК	СМК	СМК	Mektron	Mektron	Mektron	Mektron	Mektron	Mektron
2	9.80	9.92	12.50	8.36	9.31	10.49	12.05	13.50	14.71	16.29	18.02	15.50
2	Ibiden	Viasystems	СМК	Sanmina	Mektron	Ibiden	СМК	СМК	UMTC	UMTC	Ibiden	Ibiden
3	9.80	8.90	11.12	7.50	8.87	10.27	11.05	10.36	12.50	15.10	17.55	15.11

Source: NT Information; Prismark (2022/02)



ZDT Has Been the World's Largest PCB Company Since 2017

Unit: US\$100 million

Rank	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
1	UMTC	UMTC	Mektron	Mektron	Mektron	Mektron	Mektron	ZDT	ZDT	ZDT	ZDT	ZDT
1	21.77	23.70	26.32	25.56	31.54	35.91	32.12	35.90	39.11	38.84	44.43	55.35
2	Mektron	Mektron	TTM	TTM	ZDT	ZDT	ZDT	Mektron	Mektron	UMTC	UMTC	UMTC
2	21.11	22.40	24.30	23.80	25.06	27.01	25.54	33.23	28.56	27.81	31.17	39.20
3	Ibiden	Ibiden	UMTC	ZDT	TTM	TTM	TTM	TTM	TTM	TTM	DSBJ	DSBJ
3	20.71	21.26	23.77	21.72	23.76	25.25	25.33	26.58	28.47	26.89	27.31	31.58

Source: NT Information; Prismark (2022/02)



Product and Growth Strategy

One ZDT Synergies: One Stop Shopping

Globalization

M&A Strategy

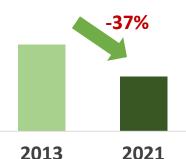


Commitment to EPS + ESG Blueprint



Implement highest environmental standards in the industry to raise competitive barriers

GHG emissions per unit revenue



Reduce GHG Emissions

In 2021, reduced GHG emissions per unit revenue by **37%** compared to 2013.

In 2021, annual energy savings of 28,750 MWh, a total reduction of 14,469 tons of CO2 emissions compared to 2020.

2021 Water Recycling Rate 50%↑ **Water Management**

In 2019, our manufacturing sites in Shenzhen became the first in the PCB industry to receive the Alliance for Water Stewardship (AWS) Platinum Certification. In 2020, all manufacturing sites in China obtained the AWS Platinum Certification.

2021 Waste Recycling Rate 90%↑

Waste Management

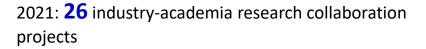
All manufacturing sites in China achieved the UL 2799 Platinum Certification of Zero Waste to landfill for manufacturing.



Benchmark international human rights standards and value human capital development

Since 2021/5, ZDT has become a member of BSR and RBA, benchmarking international human rights standards.

2021 SER Awards: **81** awards (labor: 57; environment: 20; safety: 4)



Responsible Business Alliance

Advancing Sustainability Globally

2021: Scholarships for 479 students



G: Implement corporate governance, risk management and comprehensive information disclosure

Innovation Management: 2,782 patents applied. **1,193** global patents obtained, **92%** of which are invention patents (as of 2021/12/31).

Supply Management: A total of 205 suppliers completed the audit and training related to quality, hazardous substances, social responsibility in 2021.

Risk and Crisis Management: Develop strategic, financial, and hazardous event risk management policies.







ZDT Was Selected in International ESG Indices and Invited to Participate in ESG Evaluation

S&P Global

S&P Global Corporate Sustainability Assessment (CSA)
 (the basis for many ESG indices including DJSI)

2021 S&P Global ESG score outperformed 86% of companies in the industry



FTSE4Good TIP Taiwan ESG Index
Selected as a constituent of FTSE4Good TIP Taiwan ESG Index for two consecutive years (2020-2021)

➤ TWSE Corporate Governance 100 Index (CG100)

Selected as a constituent of TWSE Corporate Governance 100 Index for three consecutive years (2019-2021)



Wind ESG

Avary Holding, subsidiary of ZDT, received a ESG rating of A, ranking 16th in the industry. (2022/3)



Business Roadmap and Execution



Mr. D.J. Lee, General Manager of ZDT

Mr. D.J. Lee

Experiences:

General Manager, Subtron Technology Co., Ltd.
Vice President, Unimicron Technology Corp.
Manager, Compeq Manufacturing Company Limited

Education:

EMBA, National Taiwan University

Master in Chemical Engineering, National Central University

Bachelor in Chemical Engineering, Chung Yuan Christian University

IC Substrate Team with Extensive Experience

Director: 6 directors, average tenure ≥ 20 years

Manager : 40 managers, average tenure ≥ 15 years

Section Manager : 79 managers, average tenure ≥ 10 years





PCB Markets are Expected to Continue to Grow



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One ZDT: One Stop Shopping Synergies

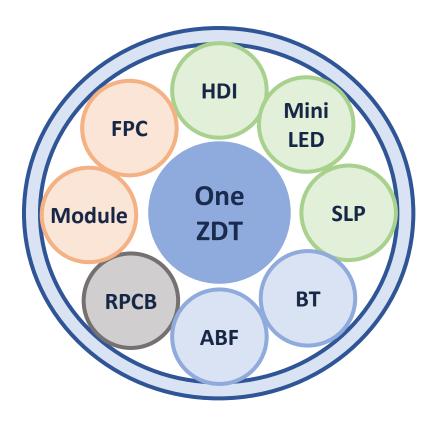
FPC (+Module)

- > 5G Applications
- AR/VR Metaverse
- New Energy
- Intelligent Vehicles
- Next-gen Display

RPCB(+Base Station +

Automotive PCB + Server)

- High Performance Computing
- 5G Base Station
- Next-gen Radar PCB
- > Intelligent Vehicles
- **→** High-end Server & Al



HDI(+ SLP+Mini LED)

- Advanced HDI, SLP
- **▶** NB, Automotive HDI
- > 5G AiP & SiP
- > AR/VR Metaverse
- Mini LED/Micro LED

IC Substrate (BT+ABF)

- > 5G Chips
- Cloud HPC
- Server & Al
- > AR/VR Metaverse
- > Intelligent Vehicles

Supply chain management is getting more complex. Customers focus on supply chain integration, instead of seeking the lowest cost through division.



Strong Growth Momentum in Multiple Businesses

High-Performance Cloud Computing Technology

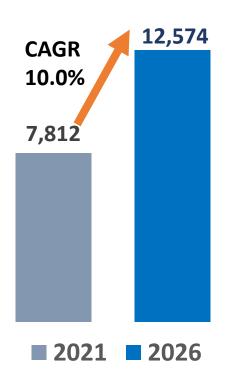
Server/Storage PCB Market (US\$ million)

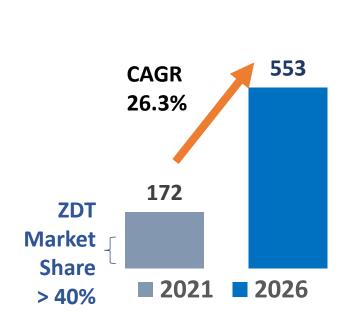
Growing Opportunities in Metaverse

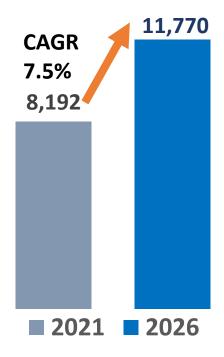
AR/VR Headset PCB Market
(US\$ million)

Intelligent Internet of Vehicles (IoV) Ecosystem

Automotive Electronics PCB Market
(US\$ million)



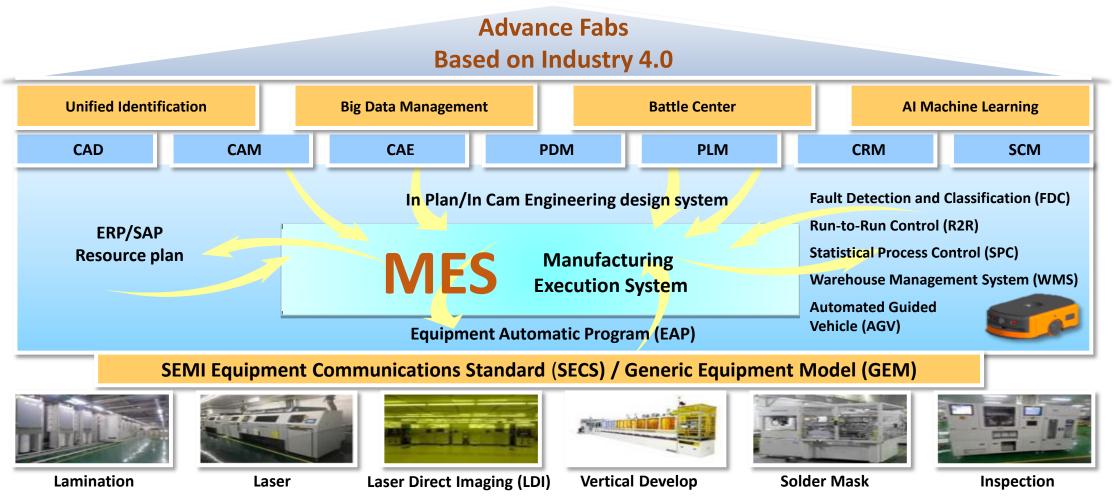




Source: Prismark, IDC (2022/2)



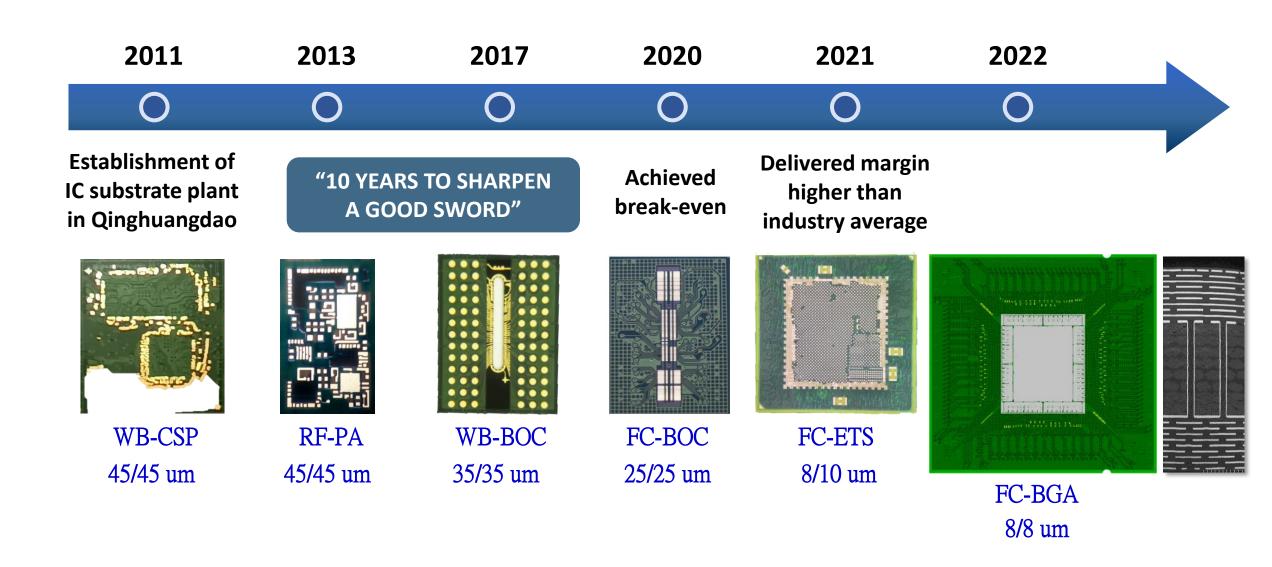
Smart Factory + Digital Transformation



ZDT has built three smart factories in the past three years, which have significant benefits in yield rate and efficiency. On this basis, the new IC substrate factory continues to enhance the depth of intelligence and the breadth of systems.



IC Substrate Development Path





IC Substrate Plants and Product Roadmap







Qinghuangdao BT Substrate Plant Roadmap



Project Schedule		20	22		2023				
Project Scriedule	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Fab Construction									
Fab Installation									
Fab Sample Certification									
Fab Mass Production									

- Existing plant floor area: 30,000 square meters
 New plant floor area: 30,000 square meters; supporting facilities: 30,000 square meters
- 2. Installation in progress, production ramp-up on schedule

Buildings Construction



2nd Floor Flooring Construction – Horizontal Plating



2nd Floor Flooring Construction – Pattern Plating



Goal: Become the world's most advanced and largest high-end BT substrate supplier



ShenZhen ABF Substrate Plant Roadmap



Project Schedule		20	22		2023				
Floject Schedule	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
FAB1 & FAB2 Construction									
FAB1 Installation									
FAB1 Sample Certification									
FAB1 Mass Production									

- 1. Floor area: 170,000 square meters; Supporting facilities: 120,000 square meters
- 2. Two FABs, One step
- 3. Equipment and materials pre ordered. More than 100 IC substrate talents recruited
- 4. Capacity fully booked until 2027

Buildings Construction



FAB1 1st Floor Flooring Construction



FAB1 2nd Floor Fire Protection Construction



Goal: Build a world-class ABF substrate manufacturing site



Business Outlook

Based on our current business outlook, management targets:

- 2022 revenue and net income: Double-digit growth
- Capex for IC substrate: Plan to invest NT\$60bn in the next 4 years,
 NT\$15bn per year
- Revenue from IC substrate: Continue to grow >50% annually in the next 4
 years and account for >15% of company's consolidated revenue in 2025
- Aim to become one of the global top 5 companies in IC substrate market in 2030



4Q21 & 2021 Financial Results



Consolidated Statements of Income

(Unit: NT\$ million, unless otherwise stated)

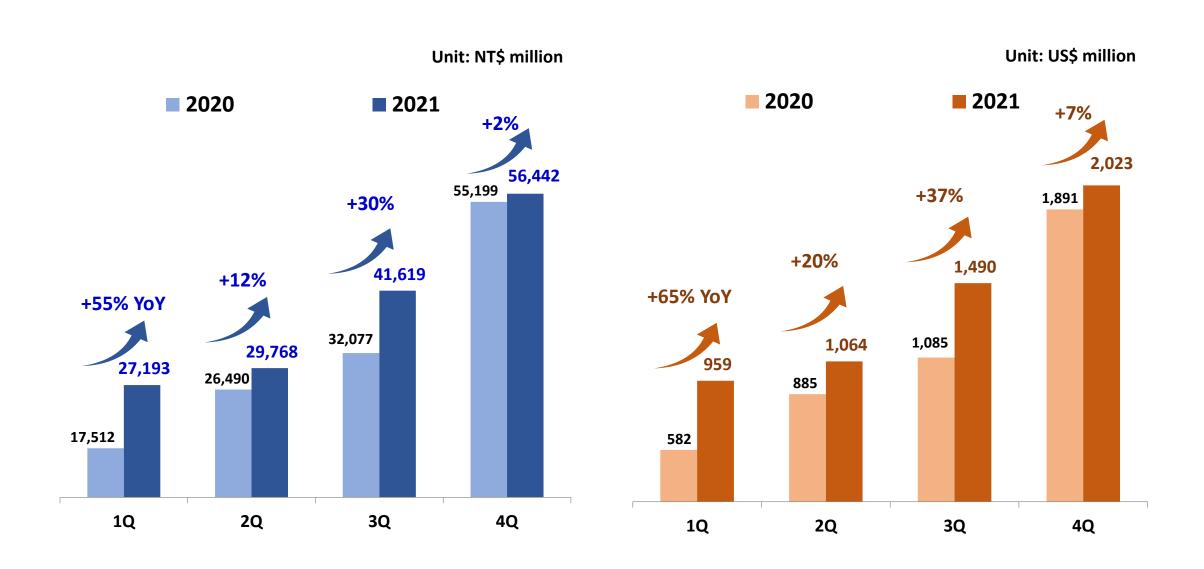
_	4Q21	3Q21	4Q20	QoQ (%)	YoY (%)
Revenue (US\$ million)	2,023	1,490	1,891	+35.8%	+6.9%
Revenue	56,442	41,619	55,199	+35.6%	+2.3%
Gross Profit	12,167	8,783	12,606	+38.5%	-3.5%
Gross Margin	21.6%	21.1%	22.8%	+0.5 ppts	-1.2 ppts
Operating Expenses	3,864	3,852	4,521	+0.3%	-14.6%
Operating Income	8,303	4,931	8,084	+68.4%	+2.7%
Operating Margin	14.7%	11.9%	14.6%	+2.8 ppts	+0.1 ppts
Total Non-Operating Income (Loss)	(321)	207	(771)		
Net Income	6,861	4,345	6,055	+57.9%	+13.3%
Net Income to Parent	4,870	3,074	4,318	+58.4%	+12.8%
Net Margin	12.2%	10.4%	11.0%	+1.8 ppts	+1.2 ppts
EPS (NT\$)	5.15	3.25	4.71	+58.5%	+9.3%
ROE	25.2%	16.6%	24.9%	+8.6 ppts	+0.3 ppts
Average Exchange Rate	27.91	27.93	29.19		

^{*4}Q21 weighted average of shares outstanding: 944,956 thousand shares

^{**} ROE is annualized data calculated based on the average of equity attributable to owners of parent



Quarterly Revenue Trends

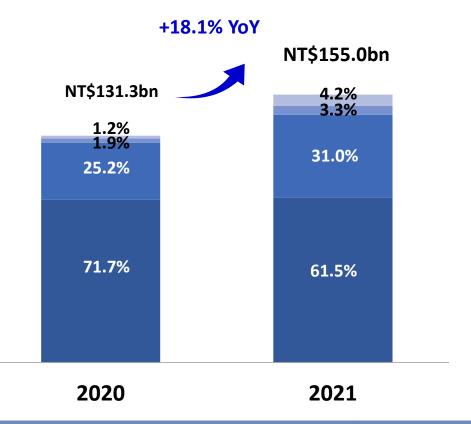




2021 Revenue Breakdown – By Applications

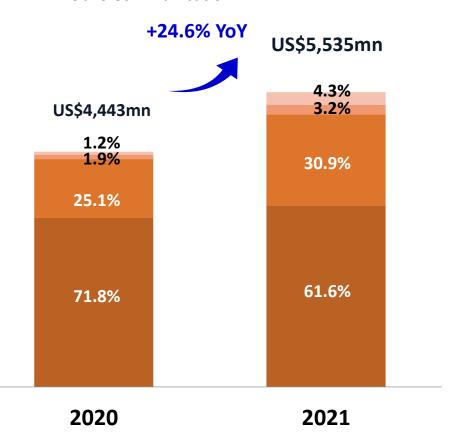


- Automotive Radar/Base Station/Server/Others
- IC Substrate
- Computers and Consumer Electronics
- Mobile Communication



Revenue (US\$) YoY

- Automotive Radar/Base Station/Server/Others
- IC Substrate
- Computers and Consumer Electronics
- Mobile Communication





Consolidated Balance Sheet and Key Indices

Unit: NT\$ million

	2021-12-	-31	2021-09	-30	2020-12	-31
_	Amount	%	Amount	%	Amount	%
Cash and Cash Equivalents**	35,179	18.0%	32,229	16.9%	46,775	25.9%
Notes & Accounts Receivable	38,669	19.8%	29,048	15.3%	34,744	19.2%
Inventories	17,675	9.0%	27,233	14.3%	12,999	7.2%
Property, Plant and Equipment	86,073	44.0%	82,387	43.3%	68,177	37.6%
Total Assets	195,755	100.0%	190,207	100.0%	181,120	100.0%
Current Liabilities	56,880	29.1%	63,756	33.5%	63,424	35.0%
Interest-bearing Long-term liabilities	17,982	9.2%	18,052	9.5%	10,521	5.8%
Total Liabilities	82,235	42.0%	85,247	44.8%	77,083	42.6%
Total Equity	113,520	58.0%	104,959	55.2%	104,038	57.4%
Key Indices						
A/R Turnover Days	84		87		85	
Inventory Turnover Days	48		73		41	
Current Ratio (x)	1.69		1.47		1.57	
PPE Turnover (x) ***	1.80		1.60		1.93	

^{*} Shares outstanding as of 2021/12/31: 944,956 thousand shares

^{**} Including current financial assets at amortized cost (time deposits, etc.)

^{***} PPE Turnover = annualized net revenue / average net property, plant and equipment



Consolidated Statements of Cash Flow

Unit: NT\$ million

	4Q21	3Q21	4Q20
Beginning Balance	30,336	36,266	32,529
Cash Inflow Generated from Operations	7,768	950	3,896
Capital Expenditures	(7,184)	(9,254)	(7,417)
Cash Dividend Paid	-	(4,262)	-
Increase (Decrease) of Short-term Debt	(2,939)	6,976	8,878
Investments and Others	5,808	(340)	6,336
Ending Balance	33,790	30,336	44,223



2021 Financial Summary

(Unit: NT\$ million, unless otherwise stated)

	2021	2020	YoY
Revenue (US\$ million)	5,535	4,443	+24.6%
Revenue	155,022	131,279	+18.1%
Gross Margin	19.70%	20.25%	-0.6 ppts
Operating Margin	10.18%	10.77%	-0.6 ppts
Net Income	13,694	11,508	+19.0%
Net Income to Parent	9,651	8,095	+19.2%
EPS (NT\$)	10.21	8.90	+14.7%
Cash Inflow Generated from Operations	14,058	16,948	-17.1%
Capital Expenditures	31,149	21,645	+43.9%
Cash Dividend Paid	4,262	4,060	+5.0%
Cash and Cash Equivalents*	35,179	46,775	-24.8%
ROE (%)	12.6%	11.8%	+0.8 ppts

^{*} Including current financial assets at amortized cost (time deposits, etc.)



2011-2021 Financial Summary

Unit: NT\$ million

									2212		
Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Revenue	44,280	55,369	64,483	75,954	85,738	82,393	109,238	117,913	120,068	131,279	155,022
Gross Profit	6,993	10,775	11,894	14,323	16,427	12,542	17,833	26,061	27,222	26,584	30,537
Net Income	2,356	4,056	5,471	6,735	7,731	3,456	6,772	11,536	12,402	11,508	13,694
Net Income to Parent	2,356	4,056	5,471	6,735	7,731	3,456	5,172	8,448	8,685	8,095	9,651
Depreciation & Amortization	3,008	3,375	3,742	4,293	4,850	5,295	5,679	6,820	7,955	8,405	11,875
EPS (NT\$)	3.30	5.49	7.41	9.12	9.80	4.29	6.43	10.50	9.93	8.90	10.21
DPS (NT\$)	1.50	2.50	3.00	3.67	4.50	2.20	3.30	4.46	4.50	4.50	5.00**
Payout Ratio (%)	45.45%	45.54%	40.49%	40.24%	45.92%	51.28%	51.32%	42.48%	45.32%	50.56%	48.97%
Cash and Cash Equivalents*	4,084	8,756	10,016	23,482	31,572	30,241	33,296	49,154	43,071	46,775	35,179
Property, Plant and Equipment	27,097	26,637	27,843	30,073	32,074	32,262	36,681	41,913	46,243	68,177	86,073
Capital	6,699	7,034	7,386	7,386	8,047	8,047	8,047	8,047	9,022	9,470	9,470
ROE (%)	15.34%	21.27%	23.77%	23.33%	20.82%	8.59%	14.49%	17.30%	14.72%	11.84%	12.59%
Debt Ratio (%)	67.03%	66.28%	64.06%	62.54%	53.70%	59.72%	55.33%	44.25%	35.41%	42.56%	42.01%

^{*} Including current financial assets at amortized cost (time deposits, etc.)









THANK YOU