

ChipMOS

**Industry Leading Provider of Outsourced Semiconductor
Assembly, Test & Bumping Services**

4Q23 & Full Year Results Conference

February 2024

Safe Harbor Notice

- This presentation contains certain forward-looking statements. These forward-looking statements may be identified by words such as ‘believes,’ ‘expects,’ ‘anticipates,’ ‘projects,’ ‘intends,’ ‘should,’ ‘seeks,’ ‘estimates,’ ‘future’ or similar expressions or by discussion of, among other things, strategies, goals, plans or intentions. These statements may include financial projections and estimates and their underlying assumptions, statements regarding plans, objectives and expectations with respect to future operations, products and services, and statements regarding future performance. Actual results may differ materially in the future from those reflected in forward-looking statements contained in this document, due to various factors. Further information regarding these risks, uncertainties and other factors are included in the Company’s most recent Annual Report on Form 20-F filed with the U.S. Securities and Exchange Commission (the “SEC”) and in the Company’s other filings with the SEC.

Agenda

- **Welcome**
- **4Q/FY2023 Operating Results** **S.J. Cheng**
- **4Q/FY2023 Financial Results** **Silvia Su**
- **Business Outlook** **S.J. Cheng**
- **Q&A**



4Q/FY2023 Operating Results

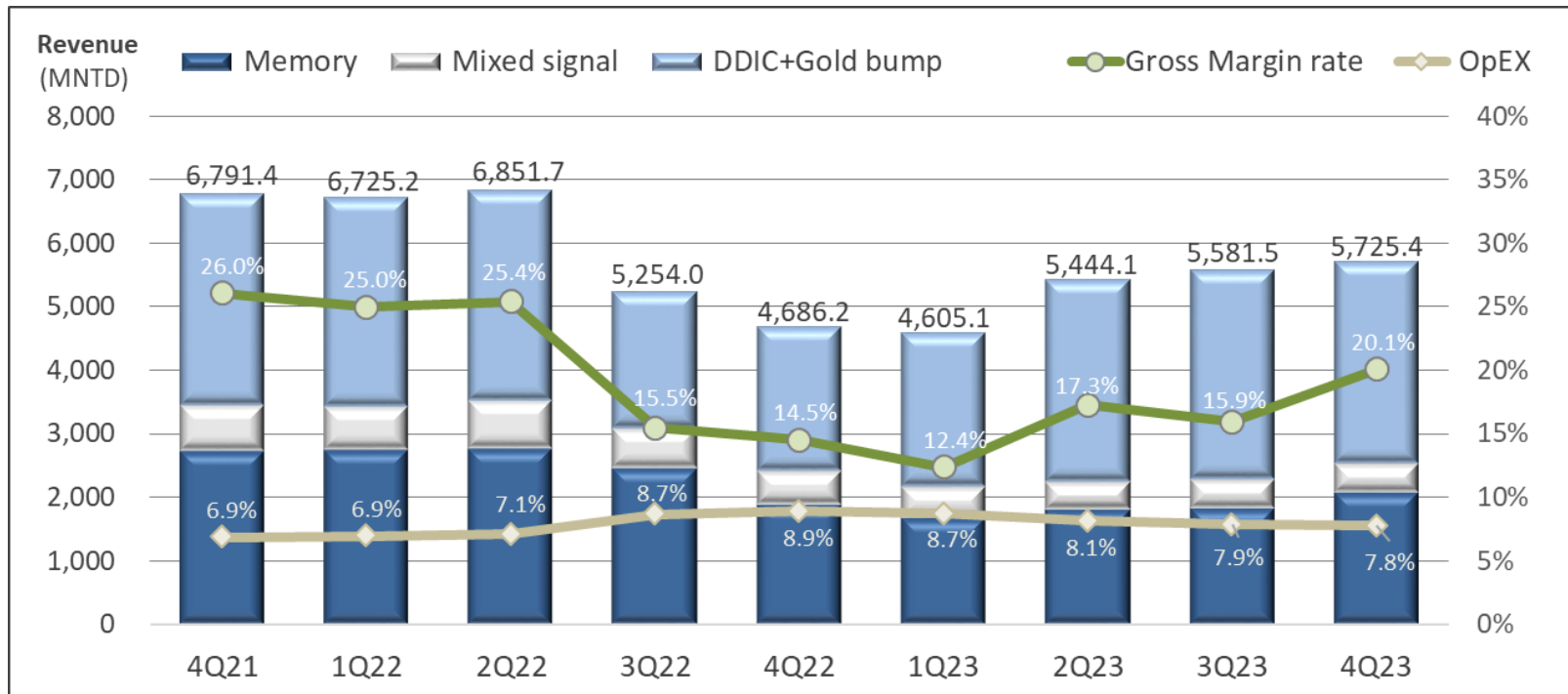
Revenue & Gross Margin

□ 4Q23

- Revenue: NT\$5,725.4M (QoQ: +2.6%, YoY: +22.2%)
- Gross Margin: 20.1% (QoQ: +4.2ppts, YoY: +5.6ppts)

□ 2023

- Revenue: NT\$21,356.2M (YoY: -9.2%)
- Gross Margin: 16.6% (YoY: -4.3ppts)



Utilization Rate

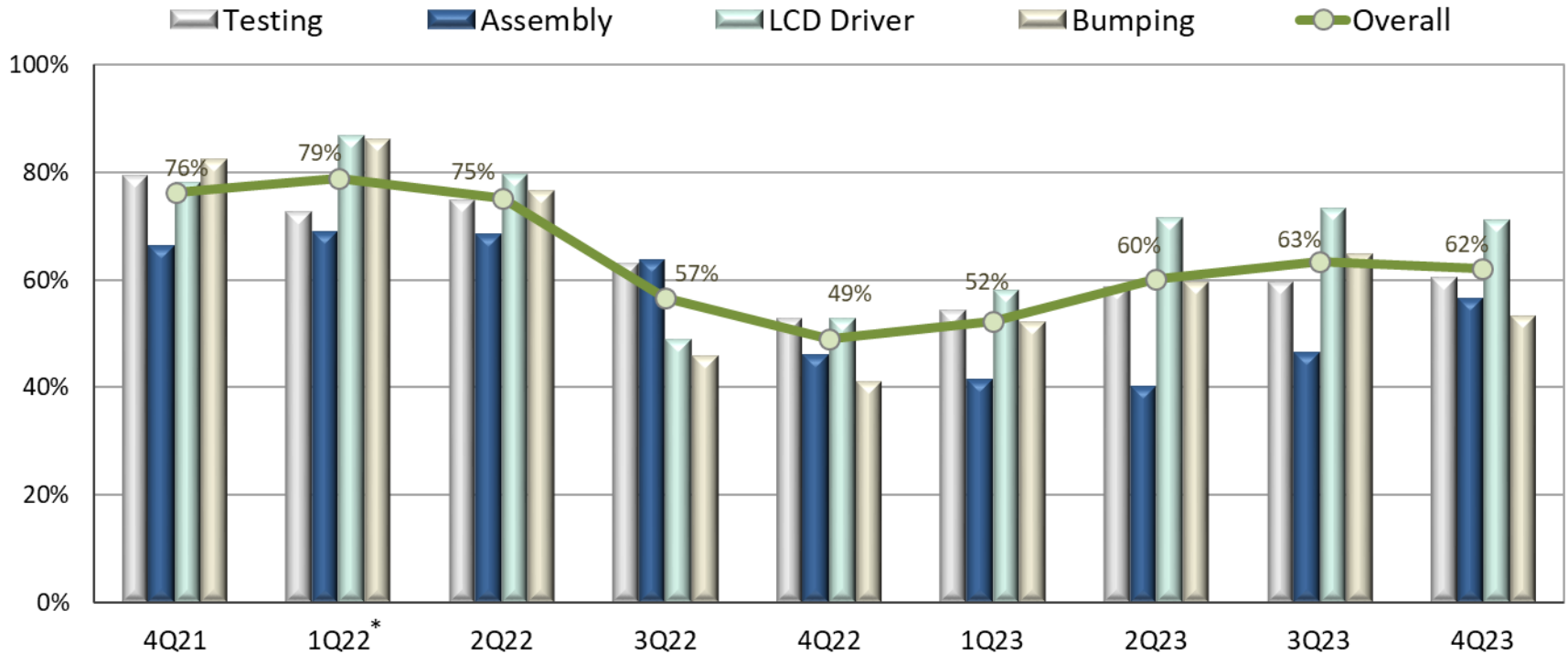
4Q23: 61%
3Q23: 60%
4Q22: 53%

4Q23: 57%
3Q23: 47%
4Q22: 46%

4Q23: 71%
3Q23: 74%
4Q22: 53%

4Q23: 53%
3Q23: 65%
4Q22: 41%

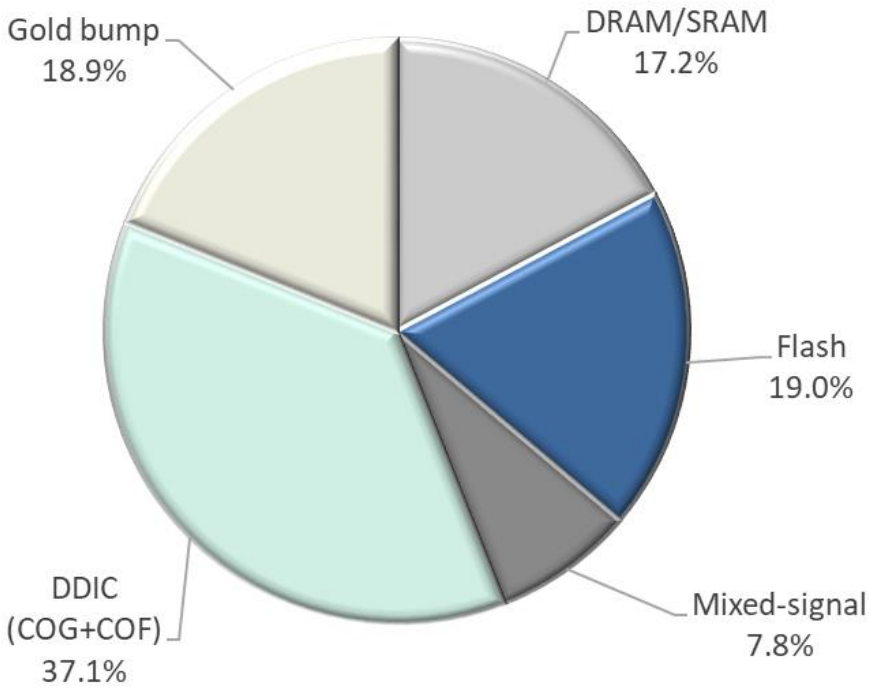
4Q23: 62%
3Q23: 63%
4Q22: 49%



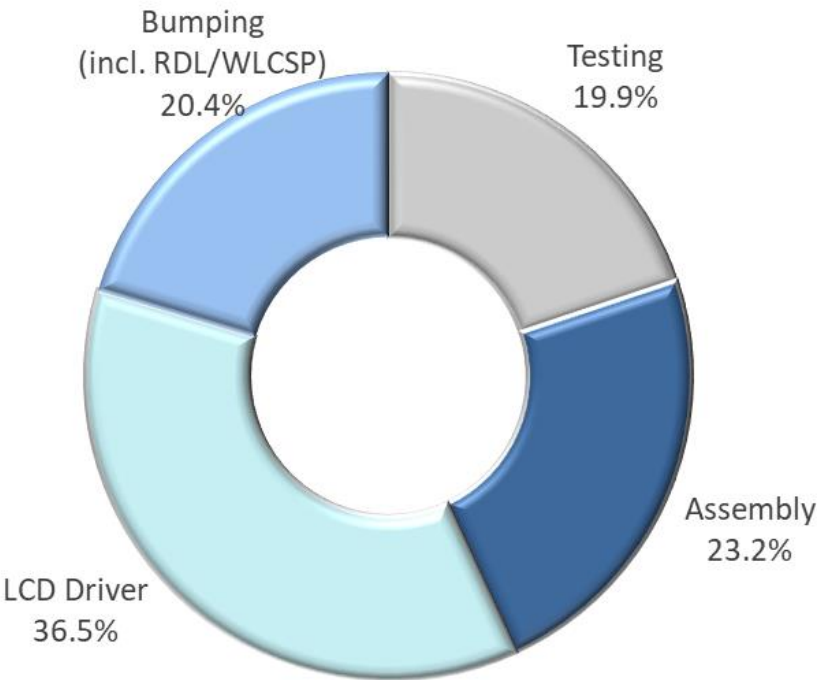
Note: To effectively reflect changes in product characteristic and mix, the utilization calculation target of manufacturing site, which output calculated by wafer quantity, was changed to run time from wafer quantity since 1Q22.

4Q23 Revenue Breakdown

Product

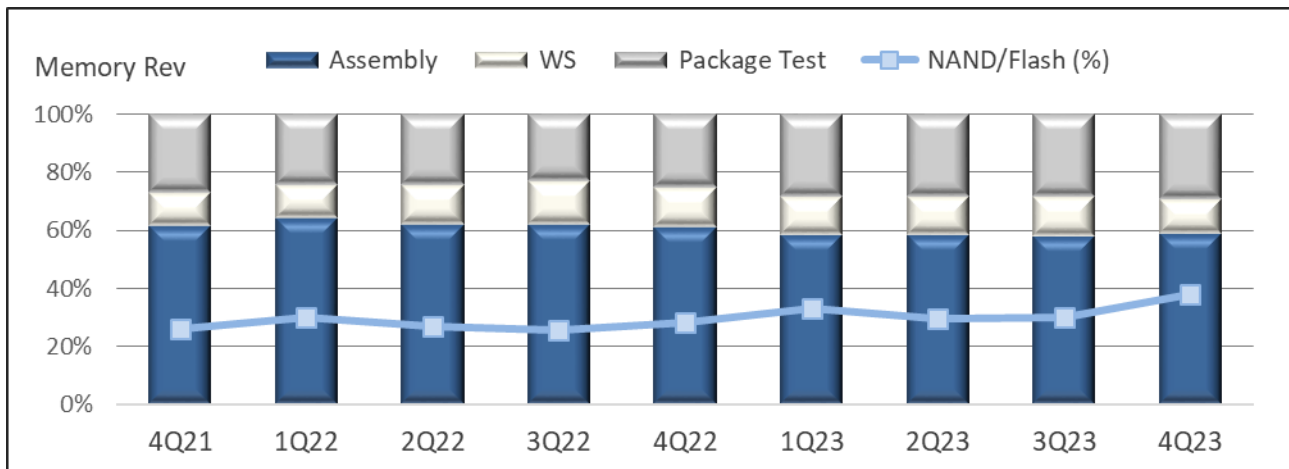
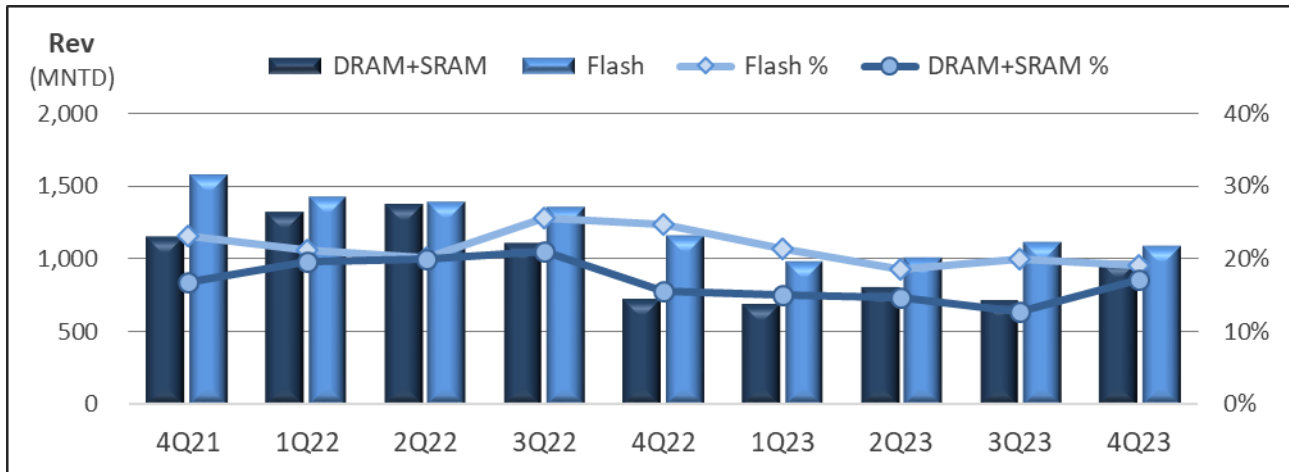


Manufacturing Site



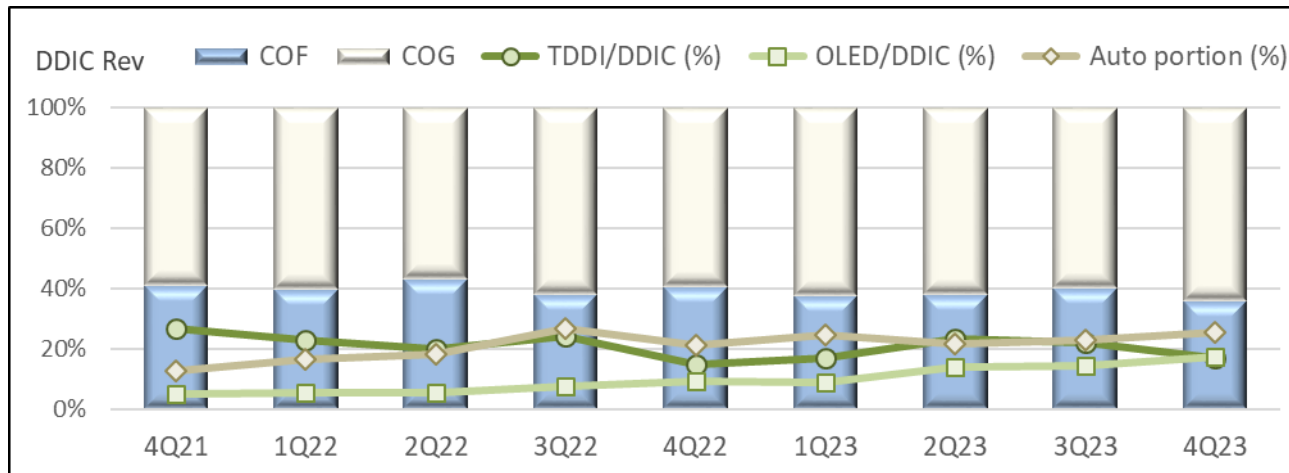
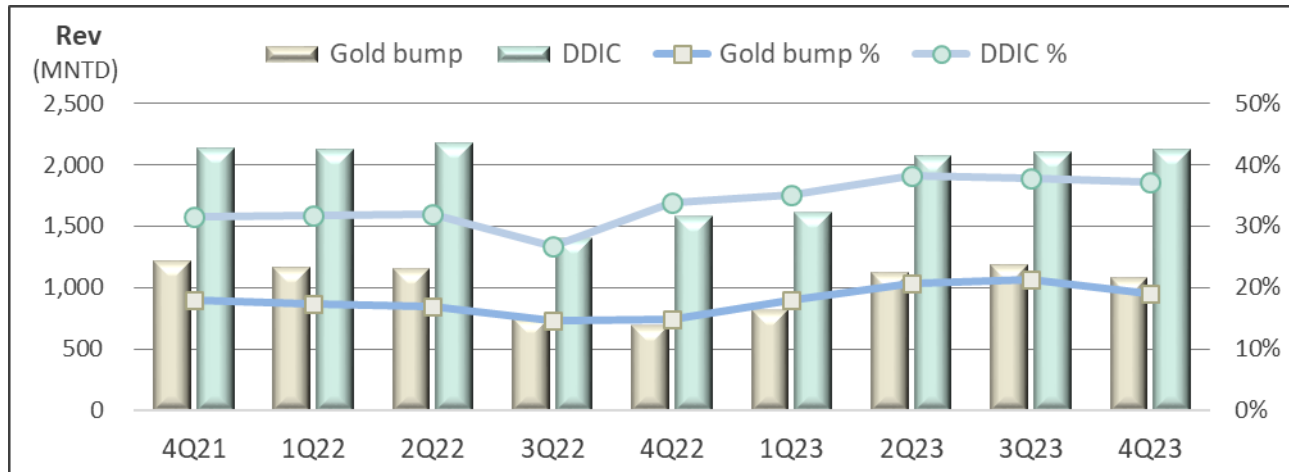
Revenue Breakdown - Memory

□ 4Q23: 36.2% (QoQ: +9.5%, YoY: +9.9%)



Revenue Breakdown - DDIC + Gold Bump

□ 4Q23: 56.0% (QoQ: -2.6%, YoY: +40.5%)



Revenue Breakdown - End Market

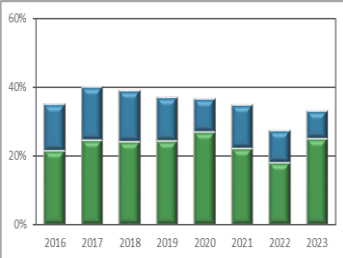
Content Performance of 4Q23

Smart Mobile

35.2%

(QoQ +7.3%)

- Smart phone
- Wearable

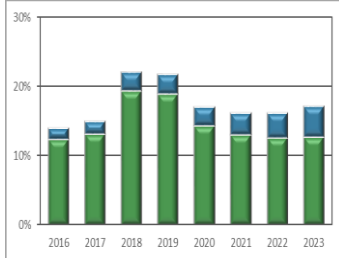
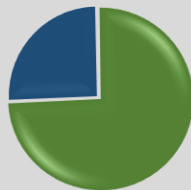


TV

14.7%

(QoQ -14.5%)

- UHD/4K/8K TV
- OLED TV
- NB/Tablet

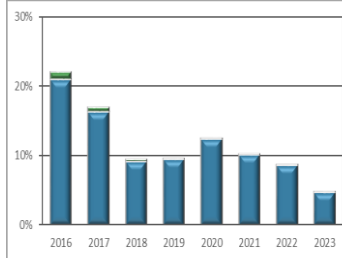
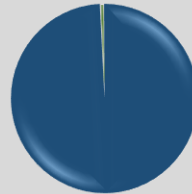


Computing

4.9%

(QoQ +5.6%)

- PC / Server
- SSD

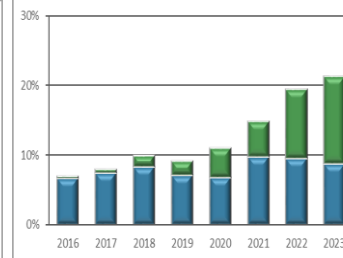
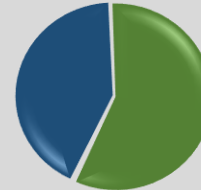


Auto/Industry

21.2%

(QoQ +6.9%)

- In-car infotainment
- ADAS / sensor

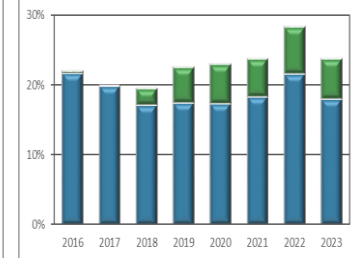
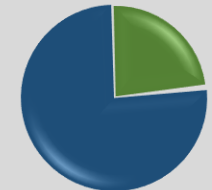


Consumer

24.0%

(QoQ +4.3%)

- Game, TWS
- Smart speaker
- DSC, STB



 DDIC & Gold bump

 Memory & Mixed-signal 10



4Q/FY2023 Financial Results

Consolidated Operating Results Summary

(NT\$ Millions)	4Q23	3Q23	4Q22
Revenue	5,725.4	5,581.5	4,686.2
Profit Attributable to the Company	482.0	580.6	154.9
EPS Attributable to the Company - Basic (NT\$)	0.66	0.80	0.22
Earnings per ADS equivalent - Basic (US\$) ⁽¹⁾	0.43	0.52	0.14
Depreciation & Amortization	1,157.6	1,214.1	1,166.3
CapEx	1,499.2	724.5	1,830.8
EBITDA ⁽²⁾	1,872.1	1,701.2	1,476.7
Return on Equity (%) ⁽³⁾	7.8%	9.6%	2.5%

Notes:

(1) The exchange rate was NT\$30.62 against to US\$1.00

(2) EBITDA = Operating Profit + Depreciation & Amortization

(3) Annualized return on equity to the Company for the quarter

Consolidated Statements of Comprehensive Income

Selected Items from Consolidated Statements of Comprehensive Income

(NT\$ Millions)	4Q23	3Q23	QoQ	4Q22	YoY
Revenue	5,725.4	5,581.5	2.6%	4,686.2	22.2%
Gross Profit	1,150.0	889.1	29.3%	679.9	69.1%
Gross Margin	20.1%	15.9%	4.2ppts	14.5%	5.6ppts
Operating Expenses	(445.0)	(439.3)	1.3%	(416.9)	6.7%
Operating Profit	714.5	487.1	46.7%	310.4	130.2%
Operating Profit Margin	12.5%	8.7%	3.8ppts	6.6%	5.9ppts
Non-operating Income (Expenses) ⁽¹⁾	(137.0)	230.9	-159.3%	(130.0)	5.4%
Profit Attributable to the Company	482.0	580.6	-17.0%	154.9	211.2%
EPS Attributable to the Company - Basic (NT\$)	0.66	0.80	-17.5%	0.22	200.0%
Weighted Average Shares Outstanding (in thousands) - Basic	727,240	727,240	0.0%	727,240	0.0%
EPS Attributable to the Company - Diluted (NT\$)	0.66	0.80	-17.5%	0.21	214.3%
Weighted Average Shares Outstanding (in thousands) - Diluted	728,754	729,324	-0.1%	727,798	0.1%

Note (1) :

QoQ: Difference mainly due to the increase of the foreign exchange losses of NT\$362M from the foreign exchange gains of NT\$167M in 3Q23 to the foreign exchange losses of NT\$195M in 4Q23 and the decrease of rental income of NT\$9M.

Consolidated Statements of Comprehensive Income

Selected Items from Consolidated Statements of Comprehensive Income

(NT\$ Millions)	FY23	FY22	YoY
Revenue	21,356.2	23,517.1	-9.2%
Gross Profit	3,549.4	4,912.1	-27.7%
Gross Margin	16.6%	20.9%	-4.3ppts
Operating Expenses	(1,726.9)	(1,825.3)	-5.4%
Operating Profit	1,908.5	3,216.7	-40.7%
Operating Profit Margin	8.9%	13.7%	-4.8ppts
Non-operating Income (Expenses) ⁽¹⁾	359.8	811.2	-55.6%
Profit Attributable to the Company	1,893.4	3,372.0	-43.8%
EPS Attributable to the Company - Basic (NT\$)	2.60	4.64	-44.0%
Earnings per ADS equivalent - Basic (US\$)	1.70	3.03	-43.9%
Weighted Average Shares Outstanding (in thousands) - Basic	727,240	727,240	0.0%
EPS Attributable to the Company - Diluted (NT\$)	2.58	4.54	-43.2%
Earnings per ADS equivalent - Diluted (US\$)	1.68	2.97	-43.4%
Weighted Average Shares Outstanding (in thousands) - Diluted	734,938	742,646	-1.0%

Note (1):

Difference mainly due to the decrease of the foreign exchange gains of NT\$370M and share of profit of associates accounted for using equity method of NT\$234M and partially offset by the increase of interest income of NT\$136M.

Consolidated Statements of Financial Position & Key Indices

Selected Items from Consolidated Statements of Financial Position

(NT\$ Millions)	4Q23		3Q23		4Q22	
	Amount	%	Amount	%	Amount	%
Current Assets	25,160.7	54.5%	20,076.0	44.5%	18,352.1	40.8%
Non-current Assets	20,999.8	45.5%	25,001.6	55.5%	26,590.8	59.2%
Total Assets	46,160.5	100.0%	45,077.6	100.0%	44,942.9	100.0%
Current Liabilities	7,353.2	16.0%	6,269.6	13.9%	6,329.4	14.1%
Non-current Liabilities	13,953.6	30.2%	14,333.1	31.8%	13,801.6	30.7%
Total Liabilities	21,306.8	46.2%	20,602.7	45.7%	20,131.0	44.8%
Total Equity	24,853.7	53.8%	24,474.9	54.3%	24,811.9	55.2%
Total Liabilities and Equity	46,160.5	100.0%	45,077.6	100.0%	44,942.9	100.0%
Key Indices						
A/R Turnover Days	86		84		87	
Inventory Turnover Days	53		54		74	

Consolidated Statements of Cash Flows

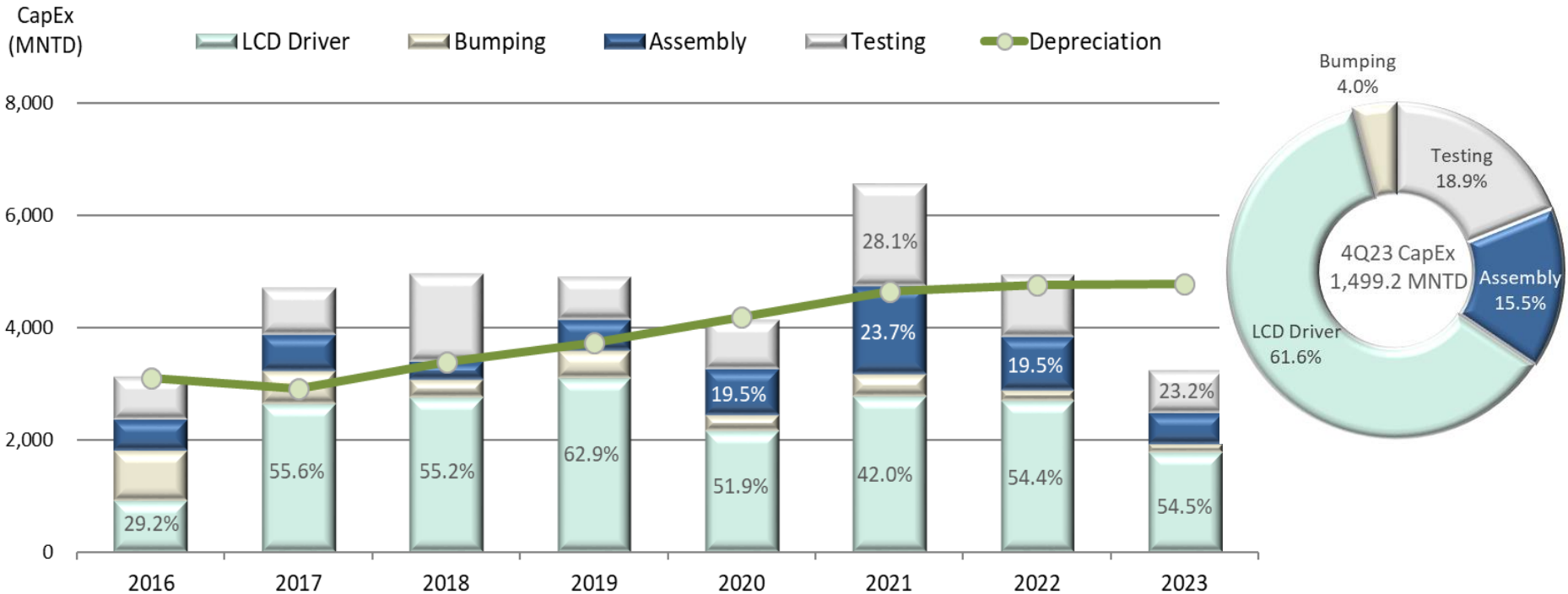
(NT\$ Millions)	FY23	FY22
Cash and Cash Equivalents at Beginning of Period	9,896.6	5,906.2
Net Cash Generated from (used in) Operating Activities	6,607.5	8,616.4
Net Cash Generated from (used in) Investing Activities	(3,090.2)	(5,061.9)
Net Cash Generated from (used in) Financing Activities	(1,059.1)	416.9
Effect of Exchange Rate Change on Cash	(0.8)	19.0
Cash and Cash Equivalents at End of Period	12,354.0	9,896.6
Free Cash Flow ⁽¹⁾⁽²⁾	1,339.0	(818.1)

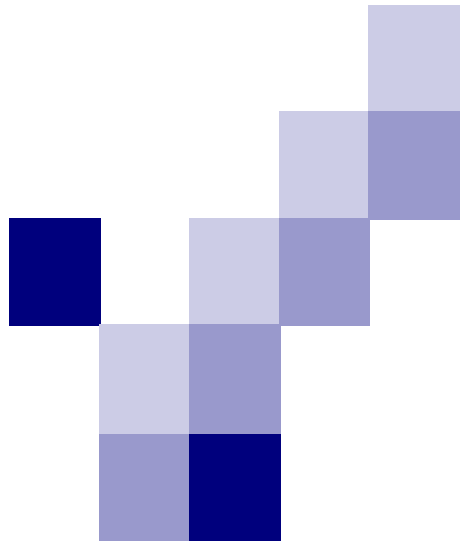
Notes :

- (1) Free cash flow was calculated by adding depreciation, amortization, interest income together with operating profit and then subtracting CapEx, interest expense, income tax expense and dividend from the sum.
- (2) Difference mainly due to the decrease of operating profit of NT\$1,308M and partially offset by the decrease of CapEx of NT\$1,690M, cash dividend paid NT\$1,454M and income tax expense of NT\$281M.

Capital Expenditures & Depreciation

- CapEx: NT\$1,499.2M (4Q23); NT\$3,228.5M (2023)
- Depreciation: NT\$1,157.6M (4Q23); NT\$4,779.3M (2023)





Business Outlook

Market & Business Outlook

- ❑ Expect Q1 to be normal seasonal trough quarter for 2024, with fewer working days for Lunar New Year and Inventory adjustments from Q4 continuing into Q1
- ❑ Based on current market environment, expect operating momentum will improve through 2024, with a stronger second half of the year
 - Memory: Momentum better than DDIC
 - ✓ NAND Flash demand is rebounding
 - ✓ Assembly and test UT are impacted by the continued destocking and softer demand at certain customers
 - DDIC: Softness in end product demand impacts UT level of TVs and Smart phone products
 - ✓ Auto panel and OLED demand generally stable, led high UT level of high-end DDIC test
 - ✓ Cautiously add new capacity based on UT level and customer demand

Q&A

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