



Japan Display Inc.

FY25/3 Q3
Corporate Presentation

February 13, 2025



PersonalTech For A Better World



Japan Display Inc.

FY25/3 Q3 Overview

- **Decided to end production at Mobara Fab in March 2026 & consolidate at the Ishikawa Fab – Ishikawa Fab has lower fixed costs & G4.5 substrates = higher production efficiency for semiconductors, sensors, & micro-displays**
- **Ishikawa Fab will transform into a low-cost, highly flexible MULTI-FAB producing G4.5 + G6 displays, sensors, and advanced semiconductor packaging**
- **Mobara Fab to be sold as an AI Data Center**
- **Mobara Fab customer requirements will be met via increased production & transferring production to Ishikawa Fab & foundry partners**

- **JDI will end in-house OLED production, and will shift to a fabless model to build eLEAP displays with foundry partners & build a global eLEAP ecosystem**
- **Strategic investment in & partnership with OLEDWorks (US) to build advanced US display fab that will serve the defense, automotive, and medical industries**

- **Strategic alliances with PanelSemi (Taiwan) and TECH EXTENSION (TEX) to jointly develop and produce advanced semiconductor & sensor technology at JDI's Ishikawa MULTI-FAB**
- **Partnering with TEX to deploying TEX's world-leading next-generation 3D semiconductor integration technology at JDI's Ishikawa MULTI-FAB**
- **Partnering with PanelSemi to leverage PanelSemi's leading-edge advanced ceramic semiconductor packaging & sensor technology**

- **Q3 (9M) sales decreased 20.5% YoY on decreased LCD smartphone and VR shipments**
- **Despite lower sales, Q3 (9M) EBITDA and OP +10% and +14% YoY on stronger sales mix & fixed cost reductions**
- **Q3 (9M) Net Loss increased YoY & full-year forecast revised down due to recording of one-off impairments at Mobarra Fab (March 2026 closure) and shutdown costs at Tottori Fab (March 2025 closure)**

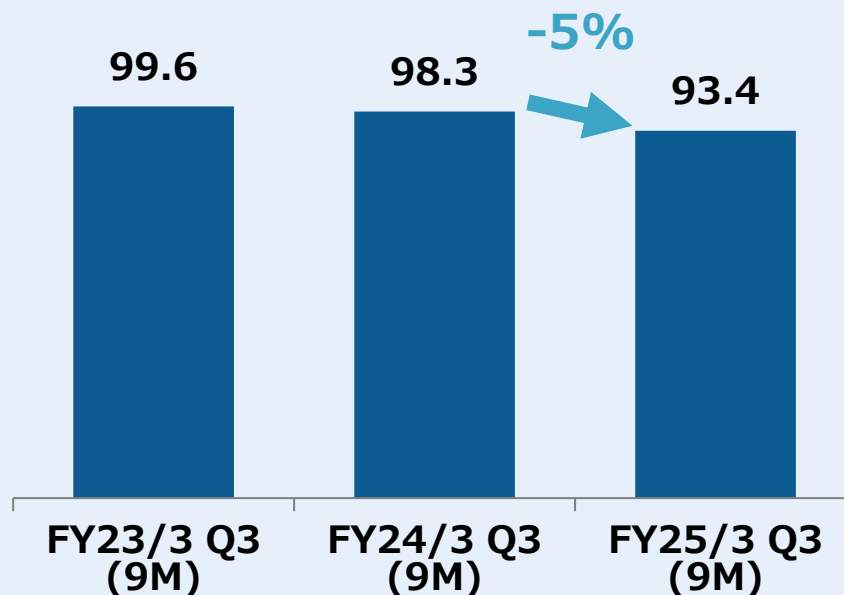
Long-Term Growth Driver with Robust Stability due to Long-Term Supply Contracts

Ongoing Major Customer Engagements for eLEAP, 2VD, & Other NextGen JDI Tech

Lower Sales on Discontinuing Low-Margin Products & Lower End-Customer Demand

Automotive

(JPY billion)



Note: To better reflect the nature of our business, JDI changed segment names from FY24/3 Q2 as follows: “Mobile” to “LCD Smartphone” and “Non-Mobile” to “Smartwatch/VR.” Please note that this is only a name change and does not impact the segment definitions themselves.

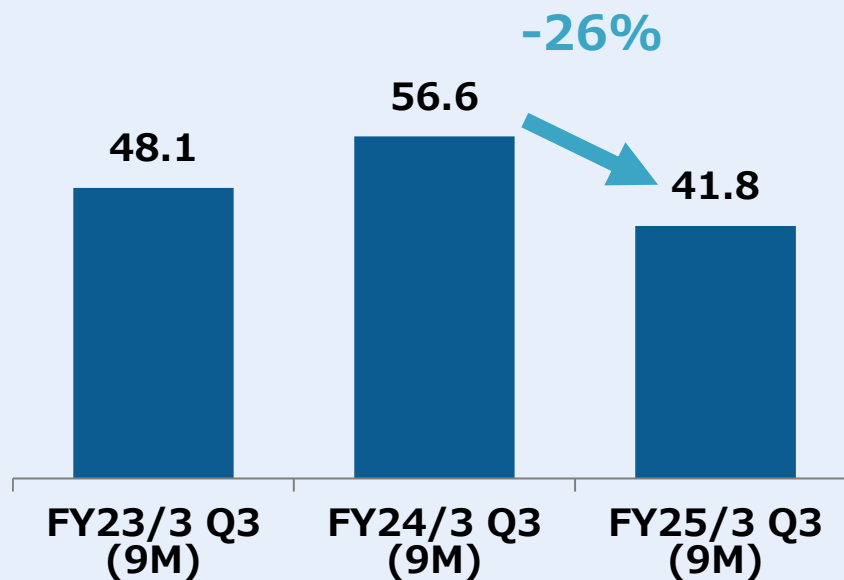
**Diverse Product Portfolio Offers Both
Ongoing Growth & Stability**

**Sales Down on Lower End-Customer
Demand**

**eLEAP to Transition to Fabless Model with
Foundry Partners**

Smartwatch/VR

(JPY billion)

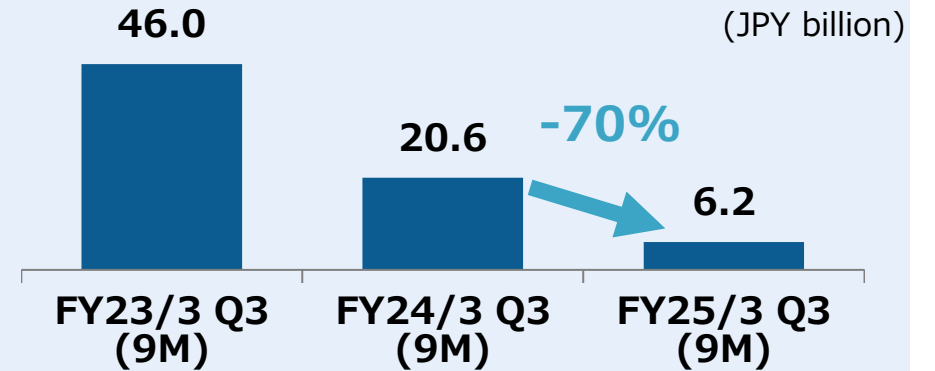


Exiting Commoditized LCD Smartphone Business to Focus Engineering Resources on JDI Proprietary NextGen Tech

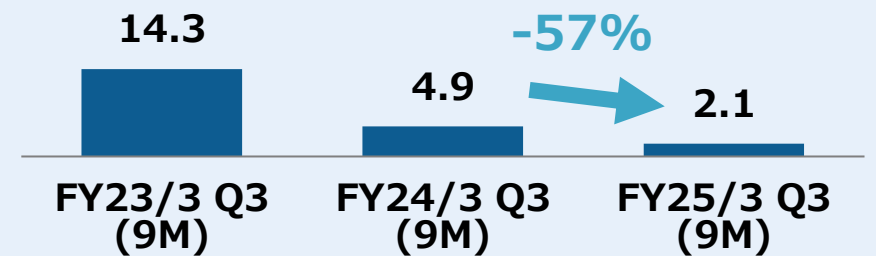
-67% YoY per Exit Strategy

Will Re-Enter Smartphones with Competitively Advantaged eLEAP

LCD Smartphone US/Euro



LCD Smartphone China





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FY25/3 Q3 Earnings Review

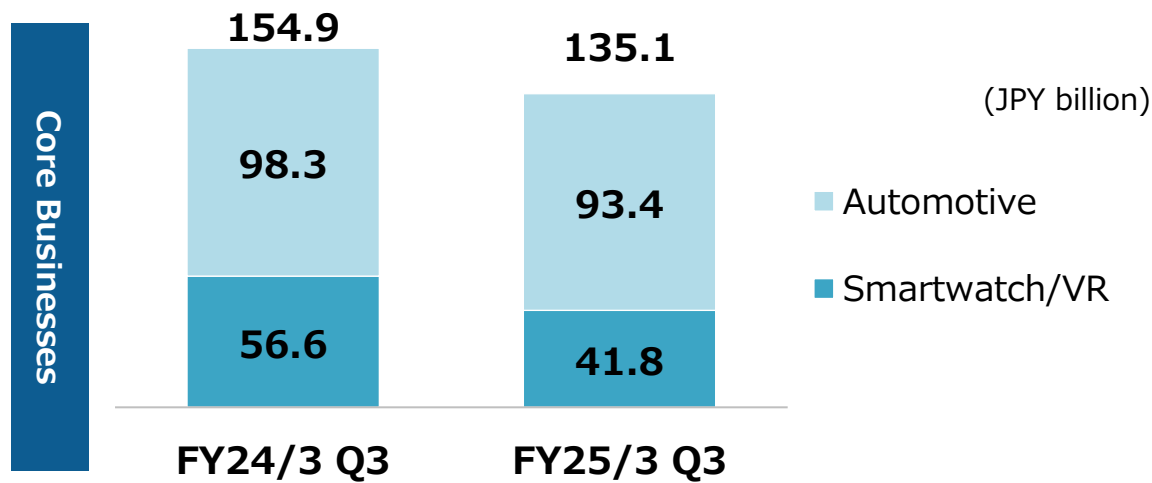
EBITDA & OP Improvement Despite Lower Sales on Back of Stronger Product Mix & Fixed Cost Reductions. Net Loss Expanded on Recording One-Off Mobara & Tottori Fab Shutdown Costs & Impairments

(Units: JPY billion)	FY24/3 Q3 (9M)	FY25/3 Q3 (9M)	YoY	
Sales	180.4	143.5	-21%	Core businesses (Automotive & Smartwatch/VR) down on weaker customer demand. Continuing to downsize non-core LCD smartphone business
Core Businesses	154.9	135.1	-13%	
Non-Core Businesses	25.5	8.3	-67%	
EBITDA	-23.0	-20.7	+2.3	Despite lower sales, EBITDA & OP improved on back of stronger product mix & fixed cost reductions
Operating Profit	-27.7	-23.7	+3.9	
Net Income	-38.0	-48.8	-10.8	JPY 20.4B Mobara Fab impairment JPY 2.4B Tottori Fab shutdown costs JPY 1.8B gain on sale of former Higashiura Fab

Despite Stronger Product Mix & Reduced Fixed Costs, EBITDA & OP Losses Widened on Lower Sales. Net Loss Expanded on Recording One-Off Mobara & Tottori Fab Shutdown Costs & Impairments

(Units: JPY billion)	FY24/3 Q3 (3M)	FY25/3 Q3 (3M)	YoY	
Sales	60.5	40.5	-33%	Core businesses (Automotive & Smartwatch/VR) down on weaker end-customer demand. Continuing to downsize non-core LCD smartphone business
Core Businesses	51.7	40.0	-23%	
Non-Core Businesses	8.8	0.5	-94%	
EBITDA	-4.9	-7.3	-2.4	Despite stronger product mix & fixed cost reductions, losses widened on lower sales
Operating Profit	-6.2	-8.3	-2.0	
Net Income	-9.3	-31.9	-22.7	JPY 20.4B Mobara Fab impairment JPY 2.4B Tottori Fab shutdown costs

Core (Automotive, Smartwatch/VR) Sales Down on Lower End-Customer Demand Non-Core LCD Smartphone Down on Strategic Downsizing

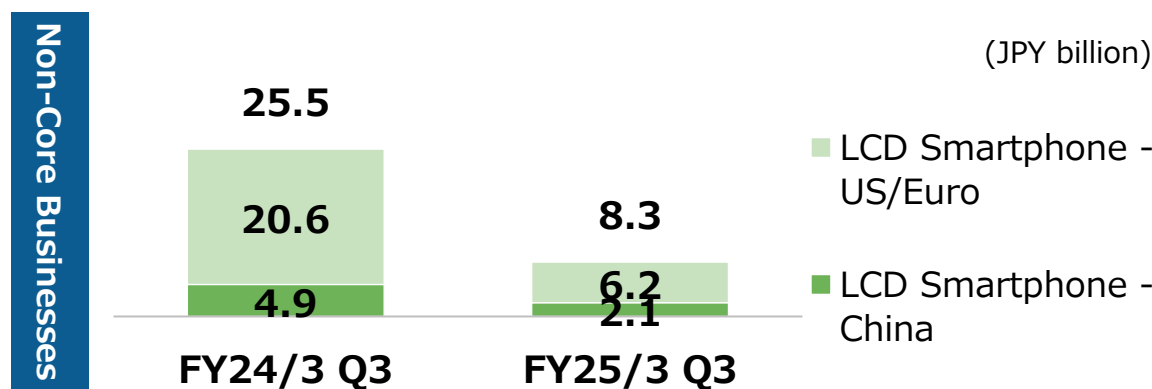


Automotive (YoY -5.0%)

Despite increased new product sales, down on ending low-margin products & reduced end-customer demand from Chinese EV makers' market share growth

Smartwatch/VR (YoY -26.2%)

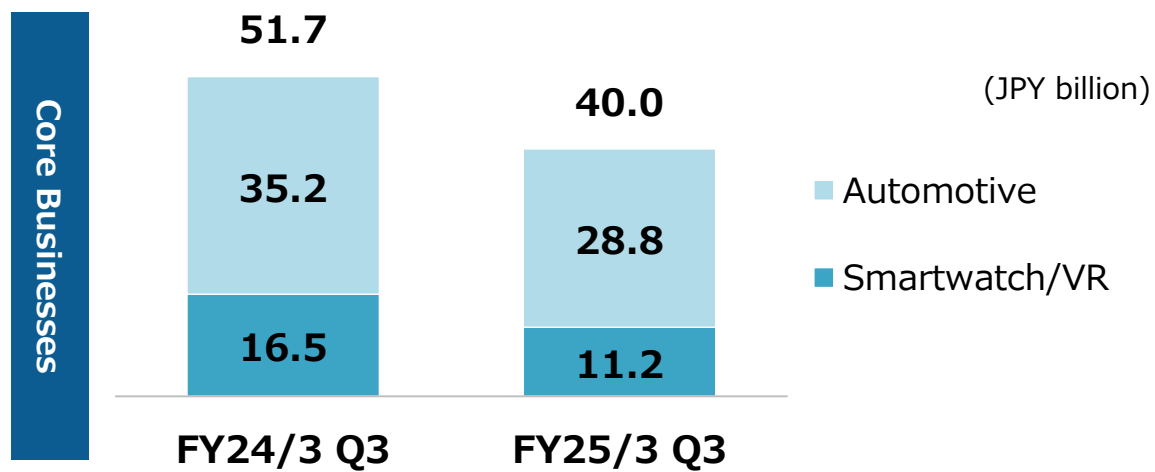
Lower sales across VR & OLED smartwatch



LCD Smartphone (YoY -67.3%)

Strategically exiting non-core LCD Smartphone business to focus resources on core businesses and next-generation products

Core Business (Automotive, Smartwatch/VR) Sales Down on Weaker End-Customer Demand LCD Smartphone Down on Strategic Downsizing

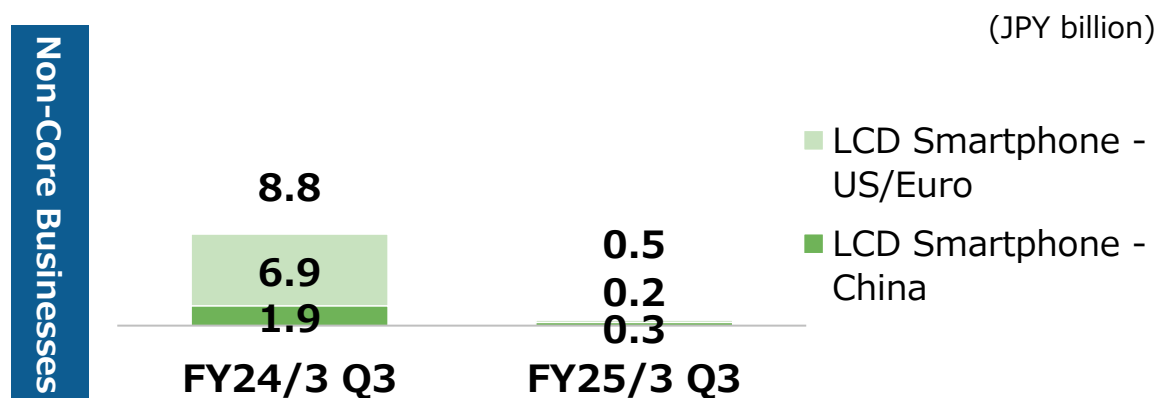


Automotive (YoY -18.2%)

Despite increased new product sales, down on ending low-margin products & reduced end-customer demand from Chinese EV makers' market share growth

Smartwatch/VR (YoY -31.8%)

Reduced OLED smartwatch sales



LCD Smartphone (YoY -94.0%)

Strategically exiting non-core LCD Smartphone business to focus resources on core businesses and next-generation products

FY25/3 Q3 (9M) Operating Profit (YoY)



Year on Year

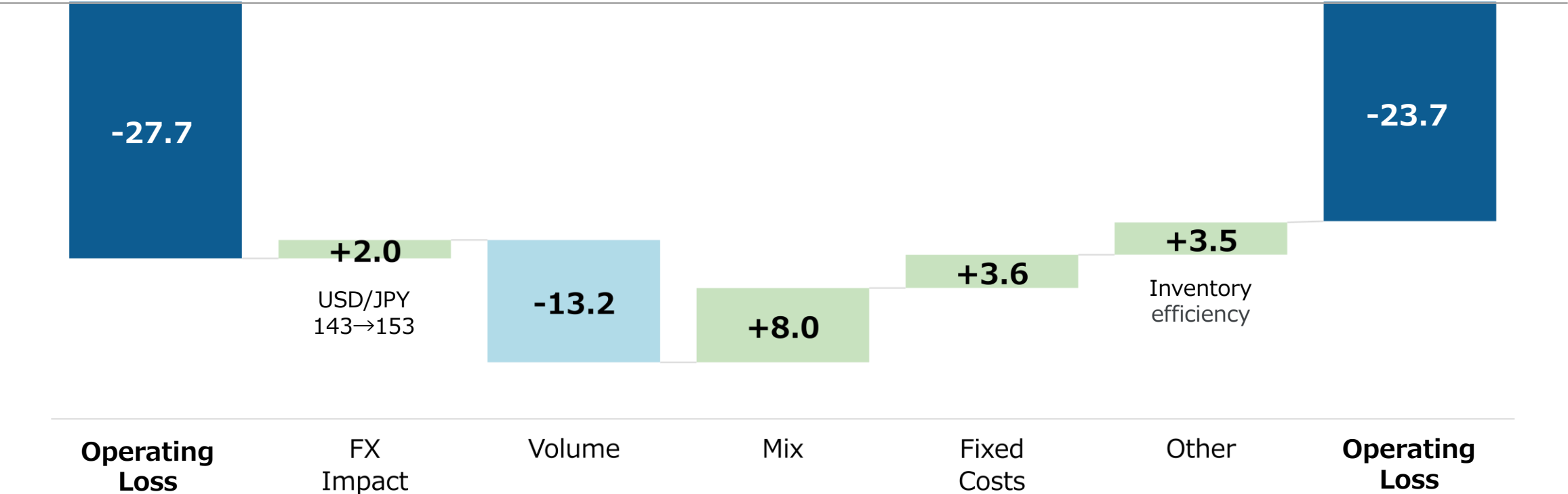
(JPY billion)

FY24/3 Q3 (9M)
(Actual)

FY25/3 Q3 (9M)
(Actual)

Sales: 180.4

Sales: 143.5

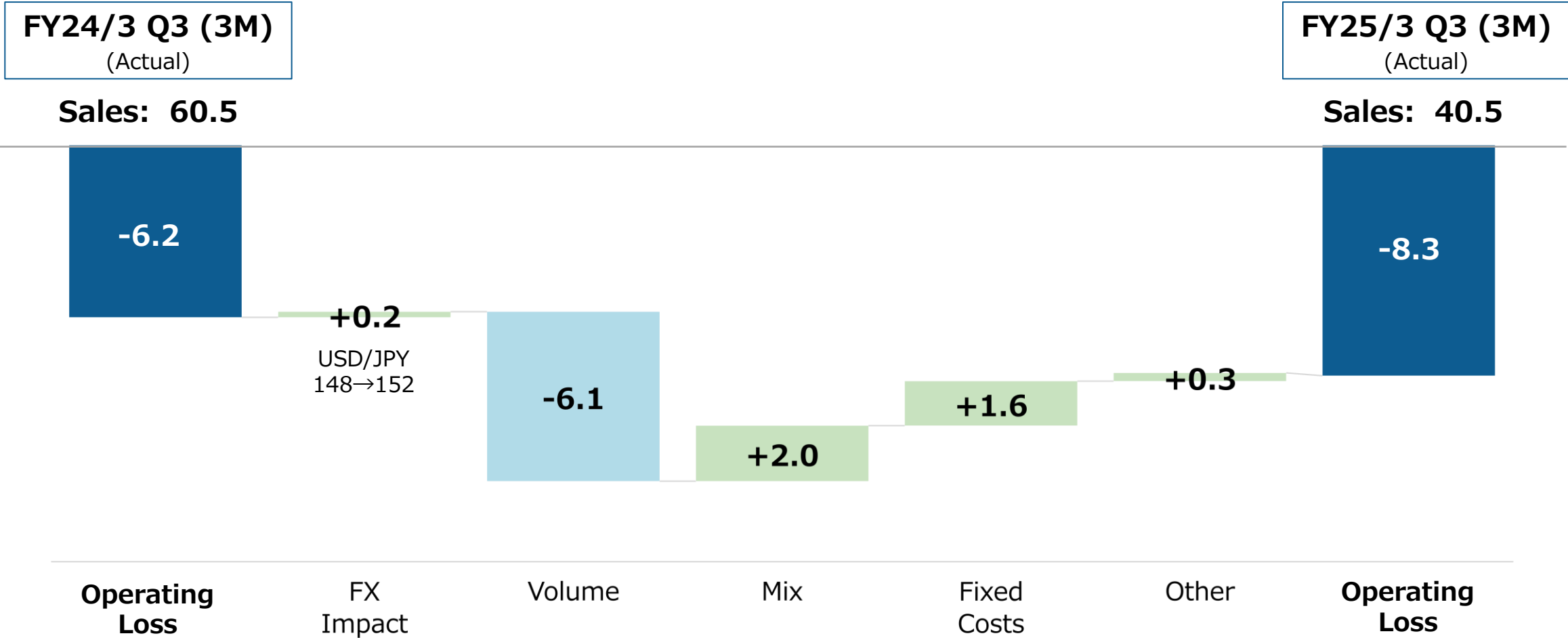


FY25/3 Q3 (3M) Operating Profit (YoY)



Year on Year

(JPY billion)

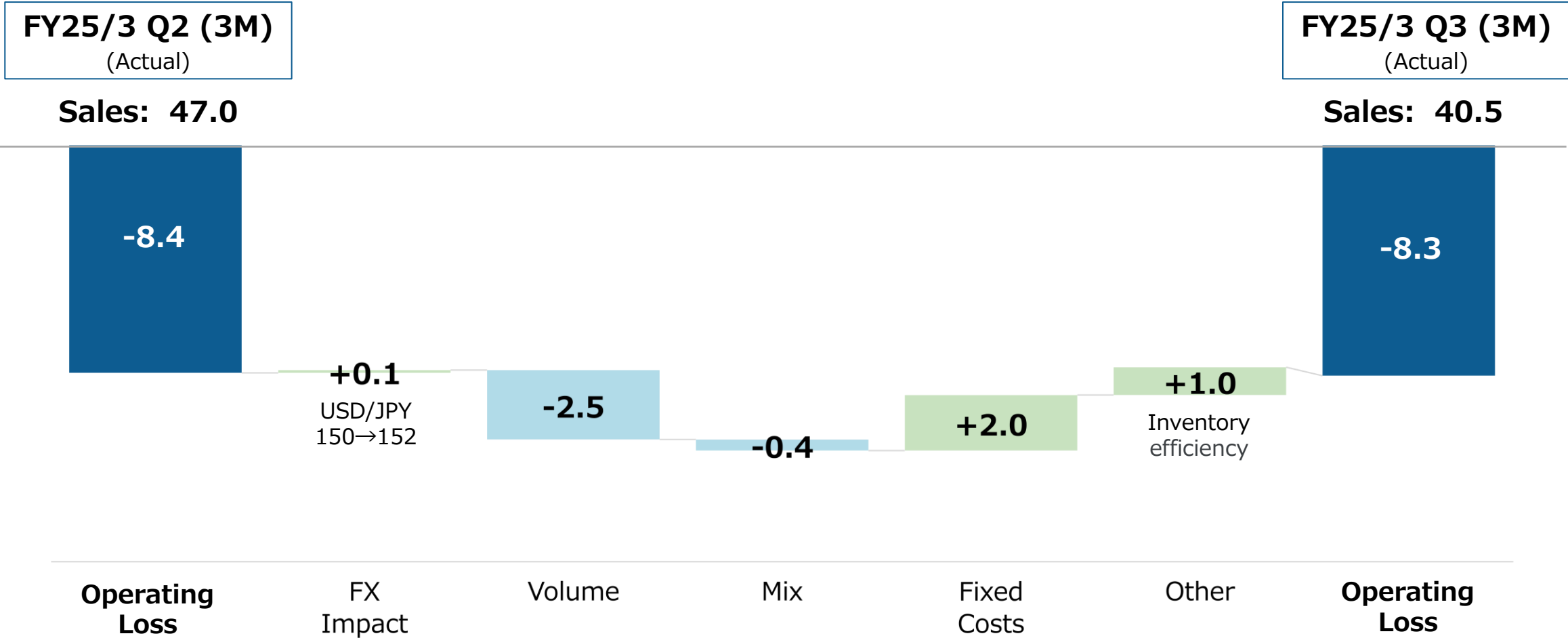


FY25/3 Q3 (3M) Operating Profit (QoQ)



Quarter on Quarter

(JPY billion)





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FY25/3 Forecast

FY25/3 Forecast (Downward Revision)

Full-Year Forecast Revised Down on Recording One-Off Mobara & Tottori Fab Shutdown Costs & Impairments

(JPY billion)	FY25/3	FY25/3	YoY
	Full-Year	Full-Year	
	Prev FCST	New FCST	
Sales	180.0	180.0	+0.0
Automotive (Core)	119.7	119.7	+0.0
Smartwatch/VR (Core)	51.7	51.7	+0.0
LCD Smartphone - US/Euro (Non-Core)	6.2	6.2	+0.0
LCD Smartphone -China (Non-Core)	2.4	2.4	+0.0
EBITDA	-26.4	-26.4	+0.0
Operating Profit	-31.7	-31.7	+0.0
Recurring Profit	-36.8	-36.8	+0.0
Net Income	-39.3	-62.1	-22.8

FY25/3 Q4 FX assumption: USD/JPY=150



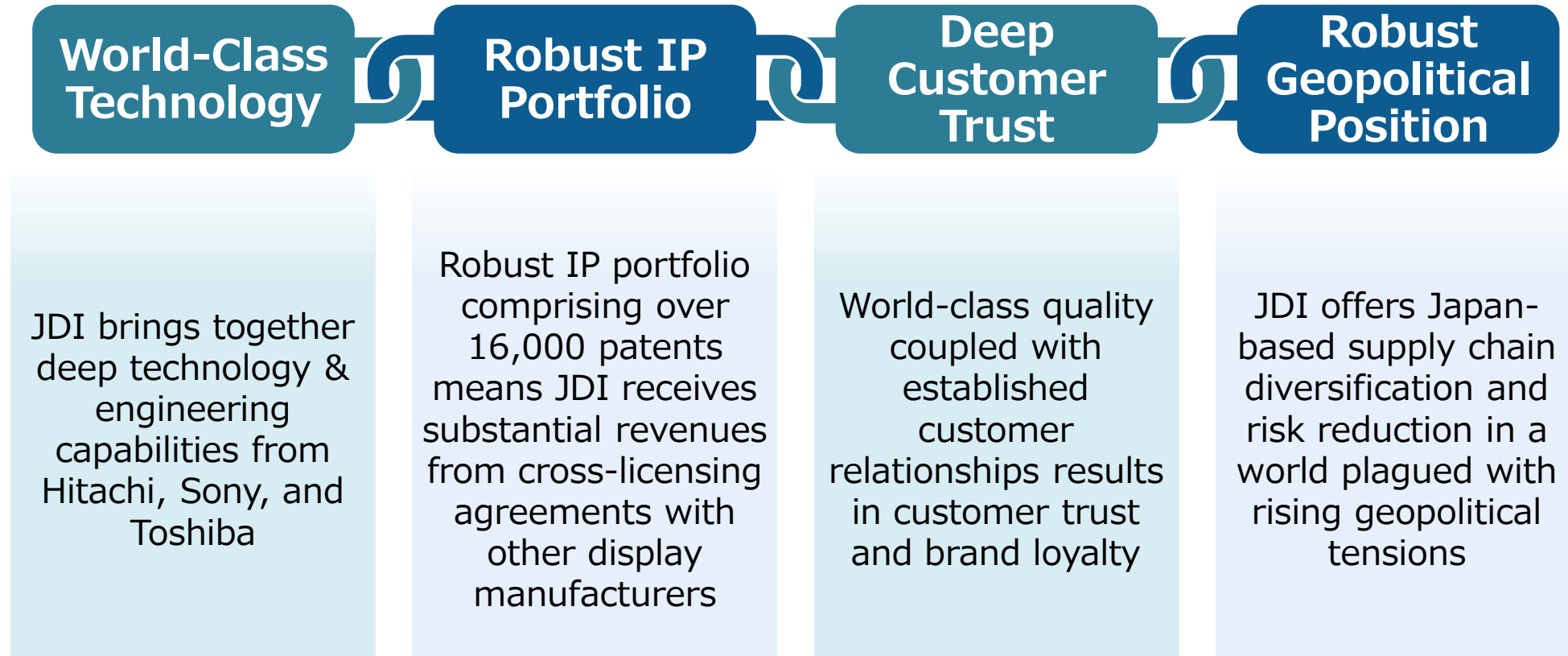
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BEYOND DISPLAY
Creating A New JDI

JDI

BEYOND DISPLAY

JDI Core Capabilities



Semiconductor, Sensor, & Micro-Display Manufacturing Economics Inherently Superior to Mass-Market Displays

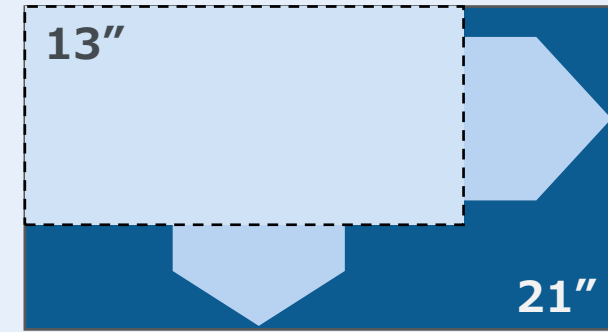
Semiconductors, Sensors, & Micro-Displays Miniaturization Principle



Customers Prefer **Smaller**

- Smaller sizes mean more product count per mother substrate
- Unit sale prices do not deteriorate with product size shrinkage
- Improving economics over time

Mass-Market Displays Enlargement Principle



Customers Prefer **Bigger**

- Larger sizes mean less product count per mother substrate
- Increase of unit sale prices does not scale with growth in display sizes
- Worsening economics over time

Ishikawa Fab to Become MULTI-FAB Highly Flexible, World-Leading Technology, & Low Cost

**Existing Gen 4.5
Ishikawa Equipment
&
Gen 6 Cell Equipment
from Mobara Fab**

Ishikawa MULTI-FAB

- ✓ **Highly Flexible**
- ✓ **World-Leading Technology**
- ✓ **Low Cost**

**Consolidation of
JDI's Display,
Semiconductor, and
Sensor Businesses**

- Combining G4.5 + G6 equipment to cover both sets of display needs
- 1/4 of the fixed costs of Mobara Fab
- Lower costs drive higher competitiveness & fab utilization & lower costs to customers

- Smaller substrate sizes are more efficient for micro-display, semiconductor, & sensor production
- A single low-cost MULTI-FAB that can support the full range of JDI's BEYOND DISPLAY business portfolio

To Reduce Fixed Costs & Generate Significant Sales Gains, JDI is Ending Mobara Fab Display Production & Selling as AI Data Center

Mobara Fab as
Gen6 Display Fab

Mobara Fab as
AI Datacenter



Technologically
Advanced Fab



BUT Underloaded &
Thus Unprofitable

- Mobara J1 building specs meet AI Datacenter requirements
- Mobara Fab currently offers **>100MW** of available power with room to grow
- Asset sale as data center will be robustly profitable

Full Mobara Fab Offering (J1 & V3 areas) Provides Powerful AI Data Center Solution with Fast Time to Market to Serve Tokyo

J1 Fab

- Building with max 8m ceiling height
- Building with max 2 tons/m² floor loading capacity
- 8,000 m³/day of industrial water supply
- Availability of experienced facility engineers

V3 Area



Explosive Demand for Data Centers in Japan

- Massive data processing capacity is required for generative AI as well as for high-demand computation & networking at nearby data centers
- Demand is growing exponentially, leading to an extreme demand for data centers in Japan



Japanese Compute Demand 2020~2040

100,000X

Exploding Demand for Data Centers In Japan

BUT

3 Critical Bottlenecks

Shortage of appropriate locations: Japan = 73% mountainous, tsunami risk, good locations built out

Shortage of grid hookups with access to high-voltage power

5-year leadtimes due to construction shortages

**Issue 1
Location**

**Issue 2
Power Supply**

**Issue 3
Construction**

JDI's Mobara Fab Provides Opportunity To Significantly Shrink Time to Market for AI Data Center that Serves Tokyo



Land & Location (J1+V3)

Land Area:

338,983 m²

57 km to Otemachi

8 km from ocean



Power/Infra (J1+v3)

Power Supply Availability:

>100 MW

Industrial Water Supply:

18,000m³/Day



Construction (J1+v3)

Built-Out Floor Area:

368,960 m²

Clean Room Area:

178,021 m²

JDI and TEX to Partner in Creating a Powerfully Integrated and Streamlined Semiconductor Supply Chain at JDI's Ishikawa MULTI-FAB



Using JDI's Ishikawa MULTI-FAB and TEX's world-leading technology, JDI and TEX will significantly progress the deployment and social use of next-gen 3D integration technology in the post-miniaturization era

1 Wafer-on-Wafer (WOW) Technology: A stacking technology that connects and stacks multiple wafers while bonding them on top of each other. This significantly contributes to productivity improvement in wafer stacking of identical chip sizes, such as DRAM.

2 Chip-on-Wafer (COW) Technology: A technology that connects and stacks chiplets on a wafer using WOW technology. By bonding chips onto the wafer, high-precision processing can be performed in subsequent semiconductor manufacturing processes using various wafer process equipment.

Jointly Launch Manufacturing Line at JDI's Ishikawa MULTI-FAB Deploying Next-Gen 3D Semiconductor Integration Leveraging TEX's World-Leading Technology

TECH EXTENSION (TEX)

World's most advanced 3D semiconductor integration technology. Originated from the WOW Alliance of Science Tokyo

Key IP: deep-tech BBCube (Bumpless Build Cube)¹ technology

World-leading expertise in WOW (Wafer on Wafer) technology and COW (Chip on Wafer) technology (BBCube Technology Platforms)

JDI Investment in TEX

JDI Ishikawa MULTI-FAB

Fab for advanced semiconductor packaging using JDI's advanced high-density wiring technology, TFT and glass processing expertise

Technology Transfer

New manufacturing line using next-generation 3D integration based on BBCube technology, encompassing manufacturing from WOW to PLP (Panel Level Packaging).
In addition, joint development of glass substrates for semiconductor packaging

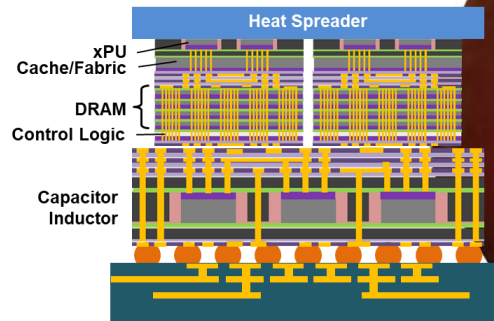
1 BBCube Technology: This architecture allows for compact three-dimensional integration of chips without using bumps, enabling system miniaturization and achieving 1/1000th the power consumption compared to conventional systems.

BBCube Era

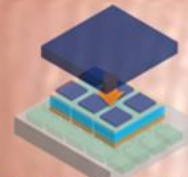


Tera-byte BBCube on Your Finger

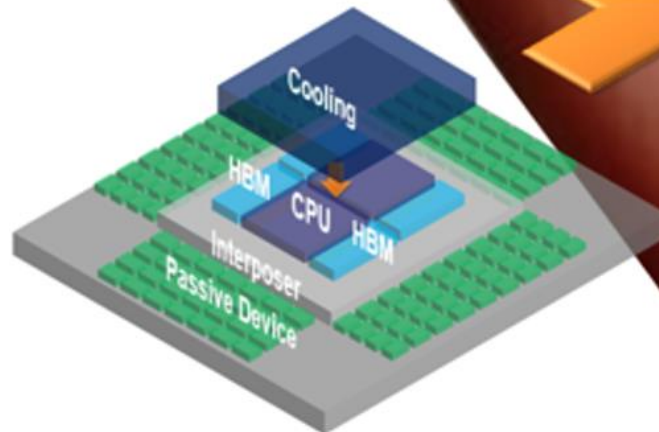
For minimizing cost with a high energy efficiency, „Miniaturizing“ and a „Wafer-Scale 3D Process“ will be required.



BBCube 3D



BBCube 3D



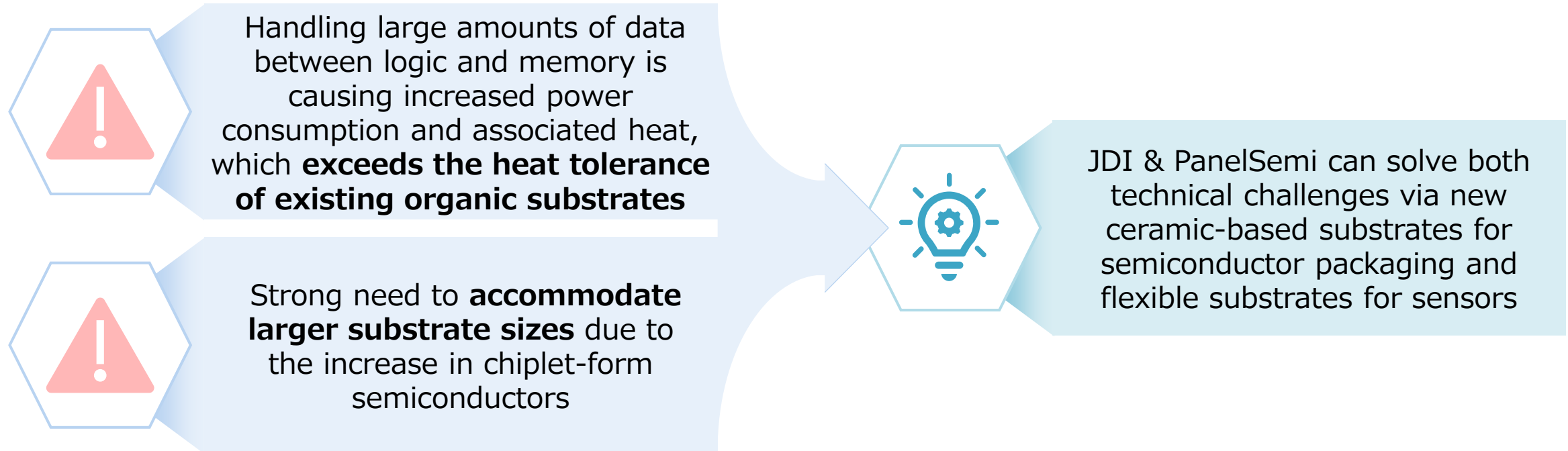
Conventional 2.5D

- BBCube = Bumpless Build Cube
- Design-Process-Thermal Co-Optimized
- 300mm Wafer Process
- WOW and COW Integration
- Parallel-High-Dense Bumpless Interconnects
- Ultra-Thinning <10µm



BBCube: An architecture that compiles conventional flat chiplets into a compact 3-dimensional format without using bumps, enabling system miniaturization & low power consumption of 1/1000 compared to conventional systems

JDI's Partnership with PanelSemi to Accelerate Commercialization of New Substrates for Advanced Semiconductor Packaging & Sensors



JDI & PanelSemi will deliver high-quality next-gen semiconductor products at extraordinarily low cost & become leaders in the rapidly expanding advanced semiconductor packaging market

JDI and PanelSemi to Leverage their Combined Expertise and Engineering Resources to Drive Rapid Commercialization

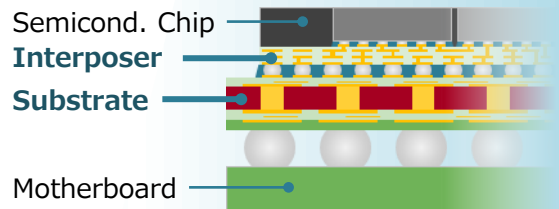
PanelSemi Strengths

- Leading engineers with deeply routed TFT panel expertise and supply chain relationships
- Leverage access to leading edge ceramic material tech accessible via strategic relationship with NGK Insulators
- World-class tiling technology to overcome the size and accuracy limits of ceramic substrates

JDI Investment in PanelSemi

JDI Strengths

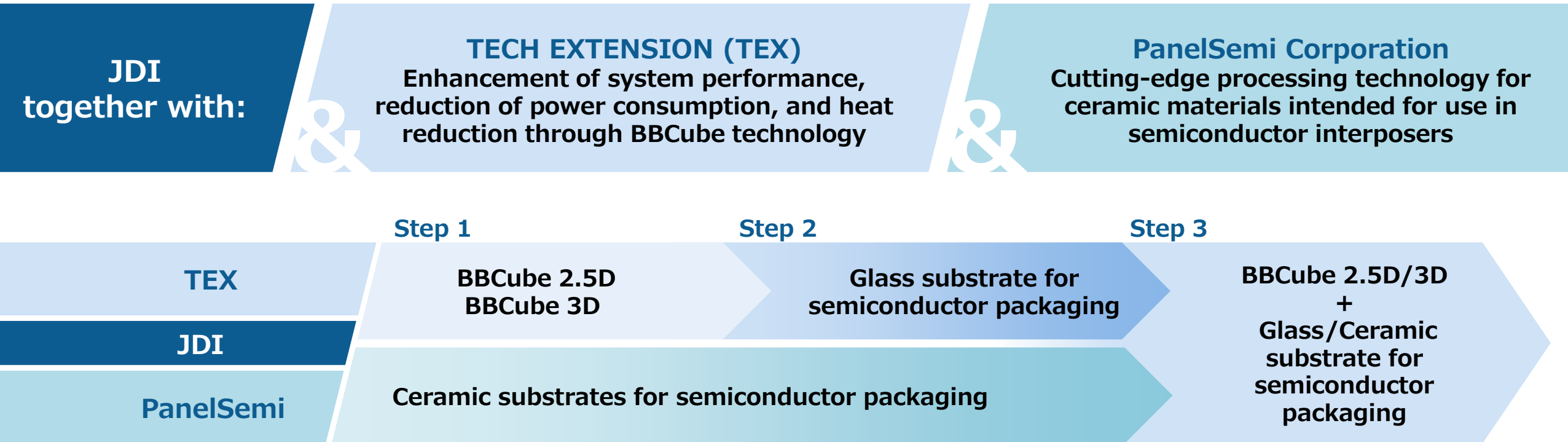
- High-density wiring technology and thin film/glass processing technology cultivated via display business
- Best-in-class production technology from prototyping to mass production
- Ishikawa MULTI-FAB for flexible production and development of semiconductor & sensor tech



Joint development and commercialization of:

- Ceramic substrates for semiconductor packaging
- Organic interposers using glass as a carrier
- Advanced sensor technologies

The combined alliances for advanced semiconductor packaging allow JDI to provide unique value to global customers



JDI is deploying its world-class, ultra-high precision processing technology for large glass substrates in advanced semiconductor packaging. With the increasing performance needs of servers and PCs, there is a rapidly growing market for advanced semiconductor packages with unmet needs that JDI can fulfill

JDI is Partnering with OLEDWorks to Bring World-Leading Advanced Display Manufacturing to the United States

OLEDWorks

- Global leader in multi-stack OLED technology
- Strong presence in the United States and multi-stack OLED technology, manufacturing, and product capabilities
- The only major OLED manufacturer outside of Asia

JDI

- World-class know-how, technology, manufacturing, and product capabilities in advanced display and OLED
- Vast experience in Automotive, Industrial and Medical display projects and applications
- Established business relationships around the world with a strong footprint in North America



The new U.S.-based fab will focus on delivering high-performance displays for critical industries including defense, automotive, and medical applications. Advanced displays are foundational to 21st century industrial competitiveness and national security.

Key Elements of OLEDWorks' and JDI's Display Manufacturing Plan

- Combination of world class display and OLED know-how, technology, manufacturing, and product capabilities
- Novel, scalable display manufacturing that will meet the needs of key stakeholders in U.S. defense, automotive, and medical industries
- Partnerships with customers to ensure long-term business sustainability
- Partnerships with U.S. suppliers of critical components, equipment, and materials for displays and display electronics
- Building a leading-edge U.S. advanced display R&D center and display manufacturing hub, working jointly with U.S. customers, suppliers, and technology partners
- Deepening of existing relationships with university partners to expand human resources required to expand display production in the U.S.
- Production of high-performance displays that meet both the near-term requirements and long-term technology roadmaps of our customers

Now
**eLEAP
Line at
Mobara J1**

Going Forward
**Fabless eLEAP Production
with Foundry Partners**

Fabless + Foundry Model:

- ✓ Increase eLEAP capacity
- ✓ Speed up eLEAP time to market
- ✓ Leverage foundry partners' highly competitive cost structures
- ✓ Reduce JDI capex

JDI is in advanced discussions with foundry partners with respect to eLEAP production

JDI is shifting Mobara Fab display production to Ishikawa Fab & Foundry Partners

Ishikawa MULTI-FAB

G6 Cell Production Facilities at Ishikawa MULTI-FAB
(Transferred from Mobara to Ishikawa)

G4.5 Production Facilities at Ishikawa MULTI-FAB

Foundry Partners

Produce eLEAP & other JDI Global No. 1 technologies
– JDI is fabless in this model & retains customer ownership

**JDI Display
Production
Configuration**

BEYOND DISPLAY Will Drive Radical Increase in JDI Earnings, Growth, & Value for Shareholders and All Stakeholders

JDI BEYOND DISPLAY

Production End & Transformation of JDI's Mobarra J1 Fab to AI Datacenter

OLEDWorks Strategic Investment & Partnership for Advanced US Fab

Ishikawa MULTI-FAB to Produce G4.5 & G6 Displays, Semiconductors, & Sensors

TEX Strategic Alliance for World-Leading Next-Gen 3D Semiconductor Integration

PanelSemi Strategic Alliance for Advanced Semiconductor Packaging & Sensors

Innovative Sensor Development & Alliances

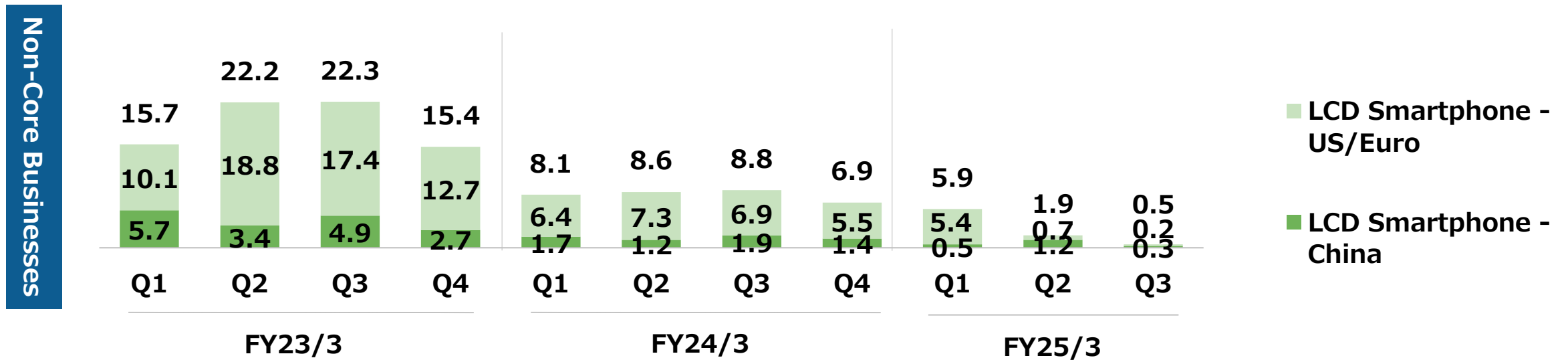
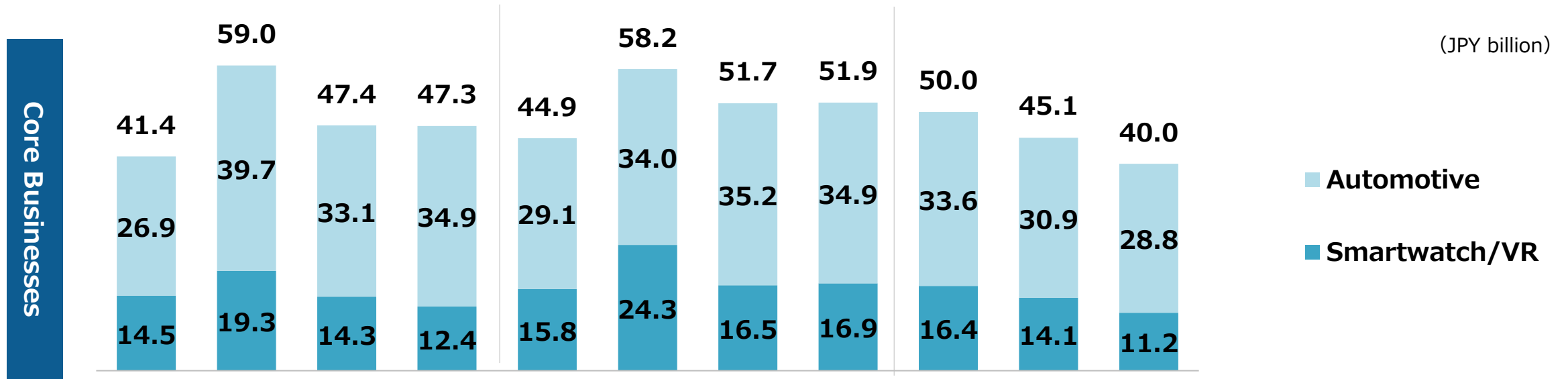
eLEAP Fables Transition & Large-Scale Capacity Expansion



Japan Display Inc.

Appendix

Quarterly Sales Breakdown by Segments



(JPY billion)	FY24/3	FY25/3 Q3	vs. FY24/3
Cash and deposits	29.3	24.4	-4.9
Accounts receivable	29.3	21.4	-7.9
Accounts receivable (EMS)	17.9	9.6	-8.4
Inventories	64.0	65.8	+1.9
Other	11.5	5.4	-6.1
Total Current Assets	152.0	126.6	-25.3
Total Fixed Assets	72.0	49.8	-22.2
Total Assets	224.0	176.5	-47.5
Accounts payable	46.3	36.5	-9.8
Interest-bearing debt	34.8	53.5	+18.8
Equipment payables	18.1	11.5	-6.6
Other liabilities	39.2	37.9	-1.3
Total Liabilities	138.3	139.3	+1.0
Total Net Assets	85.7	37.1	-48.5
Shareholders Equity Ratio	38.1%	20.9%	-17.2pts

Note: The difference between the amount of "Cash and Deposits" in the Balance Sheet & "Cash & Equivalents" in the Cash Flow Statement is Deposits.

(JPY billion)	FY24/3 Q3 (9M)	FY25/3 Q3 (9M)	YoY	FY24/3 Q3 (3M)	FY25/3 Q3 (3M)	YoY
Sales	180.4	143.5	-36.9	60.5	40.5	-19.9
EBITDA	-23.0	-20.7	+2.3	-4.9	-7.3	-2.4
Operating Profit	-27.7	-23.7	+3.9	-6.2	-8.3	-2.0
Non-Operating Income	5.1	2.2	-2.9	1.4	1.2	-0.2
Non-Operating Expenses	-3.9	-4.6	-0.6	-2.5	-1.7	+0.8
Recurring Profit	-26.4	-26.0	+0.4	-7.3	-8.7	-1.4
Extraordinary Income	0.1	1.8	+1.7	0.0	0.0	+0.0
Extraordinary Losses	-11.0	-23.5	-12.5	-1.8	-22.8	-21.0
Income Before Income Taxes	-37.4	-47.7	-10.4	-9.1	-31.5	-22.3
Net Income	-38.0	-48.8	-10.8	-9.3	-31.9	-22.7
Avg. FX rate (USD/JPY)	143.3	152.6		147.9	152.4	
Q-End FX rate (USD/JPY)	141.8	158.2		141.8	158.2	

Consolidated Cash Flow Statement



(JPY billion)	FY24/3 Q3 (9M)	FY25/3 Q3 (9M)	YoY
Income before income taxes	-37.4	-47.7	-10.4
Depreciation & amortization	4.7	3.1	-1.7
Impairment loss	11.0	20.9	+9.9
Change in working capital	13.8	5.0	-8.8
Other	-3.4	-0.5	+2.9
Cash Flow from Operating Activities	-11.2	-19.3	-8.1
Purchase of fixed assets	-10.3	-6.7	+3.6
Proceeds from sale of fixed assets	0.2	5.9	+5.7
Other	-1.3	-3.7	-2.4
Cash Flow from Investing Activities	-11.4	-4.4	+7.0
Net increase / decrease in short-term borrowings	24.0	18.5	-5.5
Other	-0.5	-0.2	+0.3
Cash Flow from Financing Activities	23.5	18.3	-5.2
Ending Balance, Cash & Equivalents	27.5	23.8	-3.8
Free Cash Flow	-21.5	-26.0	-4.5

Note: Free Cash Flow = Cash Flow from Operating Activities less Capex



Thank You!

Any information related to market trends or industries mentioned in this document is based on information available at present and JDI does not guarantee that this information is accurate or complete.

Any plan, estimation, calculation, quotation, evaluation, prediction, expectation or other forward-looking information in this document is based on the current assumptions and beliefs of JDI in light of the information currently available to it, and involves known and unknown risks, uncertainties, and other factors. Such risks, uncertainties and other factors may cause JDI's actual results, performance, achievements or financial position to be materially different from any future results, performance, achievements or financial position expressed or implied by such forward-looking information. Such risks, uncertainties and other factors include, without limitation: economic conditions and individual consumption trends in Japan and overseas, currency exchange rate movements, trends in the market for electronic equipment with displays, the management policies of our major business partners and fluctuations in the price of raw materials.