

INDUSTRY & MOBILITY BUSINESS AREA

2024

Industry & Mobility Business Area

MITSUBISHI ELECTRIC CORPORATION

May 29, 2024



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Executive Summary

Executive Summary

1. Executive Summary

Aim to achieve revenues of ¥1.7 trillion and an operating profit margin of 9% or more in FY2026 through structural reforms of the automotive equipment business, promotion of growth strategies for the FA systems business, and developing synergies across the Industry & Mobility Business Area.

Growth Target

	FY2024 Actual	FY2025 Plan	FY2026 Target
Mobility	Revenue ¥944.1 bn	¥900.0 bn	¥0.8 trillion+
	Operating profit margin 3.3%	3.0%	4%+
Industry	Revenue ¥766.4 bn	¥770.0 bn	¥0.9 trillion+
	Operating profit margin 11.6%	14.3%	15%+

Based on FY2024: ¥145/\$, FY2025: ¥140/\$, FY2026: ¥130/\$

Mobility (Automotive Equipment Business)

- Steadily promote structural reforms, including strengthening the business foundation under the new company. Prepare for a period of CASE* business expansion in FY2031 and beyond by promoting business portfolio replacement through partnerships with external parties.
- Aim for revenues of ¥0.8 trillion and an operating profit margin of 4% or more in FY2026 through stable monetizing its Resilient Businesses.

Industry (FA Systems Business)

- Maximize the value provided by the FA Systems Business by concentrating growth investments in Key Growth Businesses, the FA Digital Solution business area, and by restructuring the business portfolio from the best owner's perspective.
- By executing various growth investments and initiatives, we aim to achieve revenues of ¥1 trillion and an operating profit margin of 20% in FY2028, based on the latest demand environment.

*CASE: Connected, Autonomous, Shared & Service, Electrified (auto industry trends)



**Strengthen value proposition of core components to
globally growing industries**

**Establish a
FA Digital Solution business model**

**Growth and expansion with partners who are
expected to create synergies in the CASE area**

**Review the business portfolio
to focus on areas with strengths that
address changes in the business environment**

Real-time
control



Power electronics
technology



Motor
technologies



High fill-factor
coil winding technology



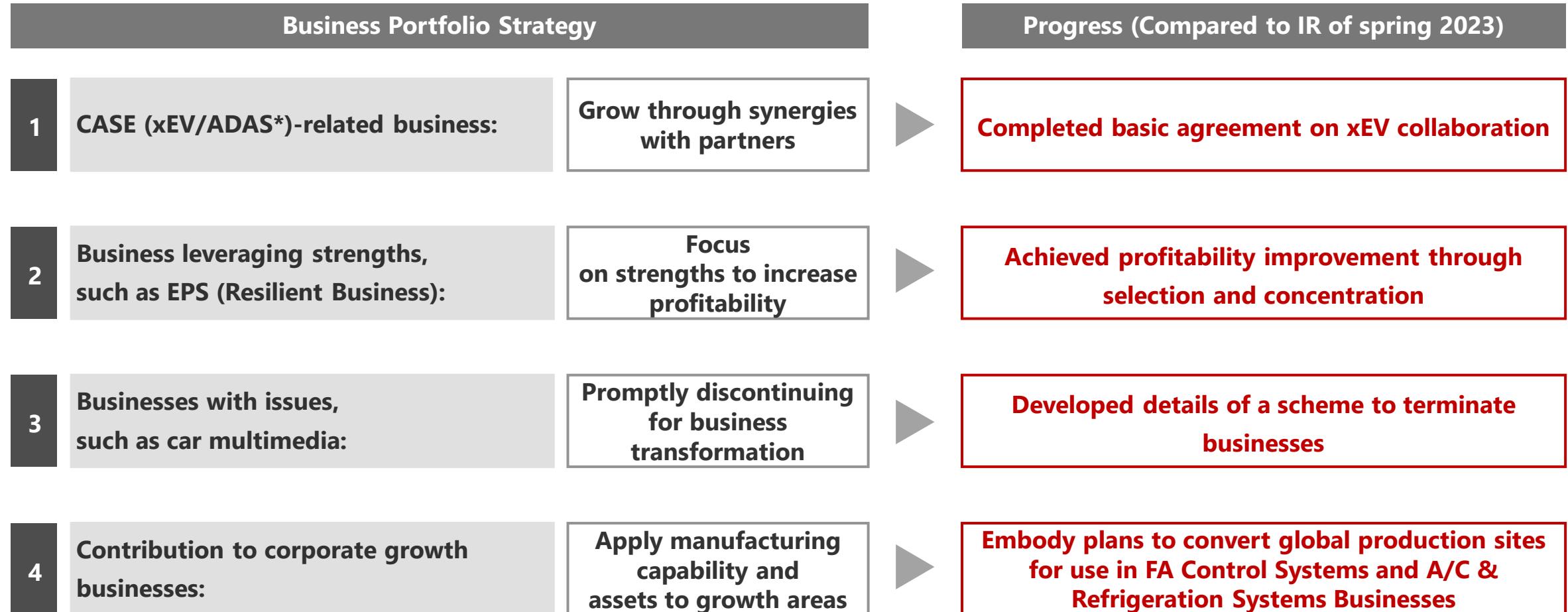
Monitoring
technologies



2

Mobility

Began operation of the new company in April 2024. Steadily advancing the four pillars of our business portfolio strategy.



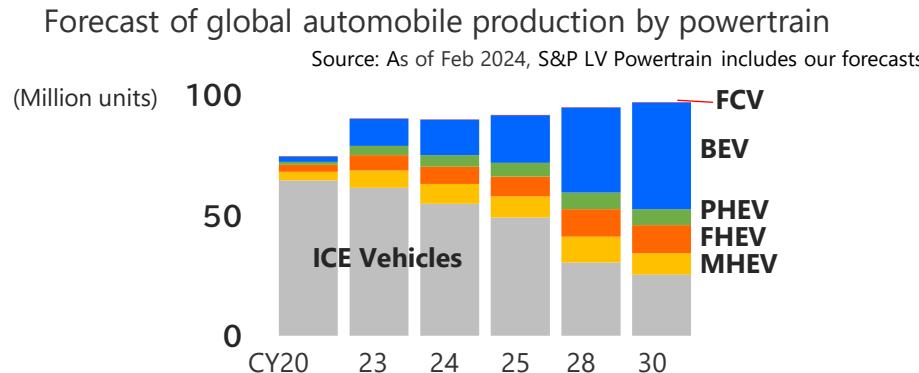
*ADAS: Advanced Driver Assistance System

Market Environment and Strengths of Automotive Equipment Business

2. Mobility

A once-in-a-century period of change. Amid the ongoing shift to EV, we will stabilize revenues by responding to diverse customer needs in CASE-related and Resilient Business. We will refine technology assets that are our strengths and promote collaboration with partners.

Market Environment – xEV market –



EV Policies of Each Country

- U.S.:** More than 50% of new vehicles to be PHEV, BEV, FCV by 2030 (the Biden administration, 2021)
- Europe:** In addition to supporting the purchase of EVs in each country, the government plans to ban the sale of ICE vehicles from 2035 onwards
- China:** Restrictions on ICE vehicles while providing subsidies and tax breaks for EVs

FCV: Fuel Cell Vehicle

BEV: Battery Electric Vehicle

PHEV: Plug-In Hybrid Electric Vehicle

FHEV: Full Hybrid Electric Vehicle

MHEV: Mild Hybrid Electric Vehicle

ICE: Internal Combustion Engine

Strengths of the Automotive Equipment Business: Technology Assets

Power electronics technologies

Motor control (low loss driving control)
Small power module design (cooling technologies)

Sensing technologies

Biosensing and high-precision composite positioning technologies

Motor technologies

High fill-factor coil winding motors



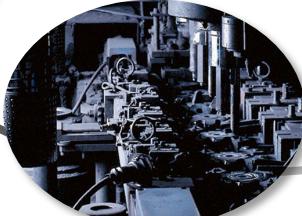
Automation and miniaturization technologies

High-speed automation, miniaturizing production design, composite assembly



Wireless communication technologies

Development of Chip selecting middleware, compatibility with overseas certifications



Processing technologies

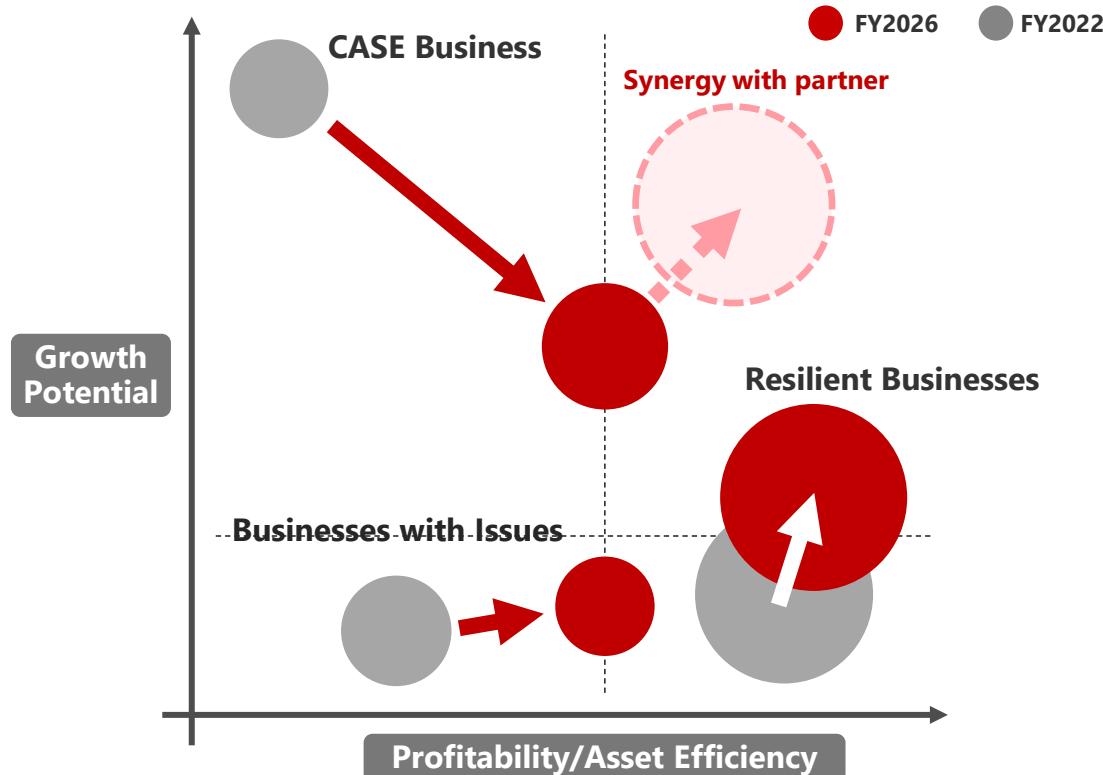
Metal mold, iron core press, resin molding, cold forging

Production design, prototype evaluation

Processing machine, testing equipment, trial production system and material analysis

The new company clarifies the responsibility structure for each business. Based on a portfolio strategy, we operate business speedily . We will promote optimal measures according to business positioning, such as by implementing partnering strategies, narrowing down focus areas, and finalizing termination schemes.

Transformation of Business Portfolio [FY2022 → FY2026]



Concrete Measures

CASE Business

Regrowth through xEV partnering strategy execution

- Launch partnerships and collaborations with external partners, creating synergies
- Secure profitability through the optimization of a standard lineup

Resilient Businesses

Narrow down focus areas with emphasis on profitability

- ICE business: Specialize in segments where customers recognize our value. Optimize fixed costs according to the business scale.
- Businesses that take advantage of strengths such as EPS and body control ECUs: Strengthen software technologies that control complex controls.

Businesses with Issues

- Finalize detailed scheme for early termination and accelerate discussions with some customers

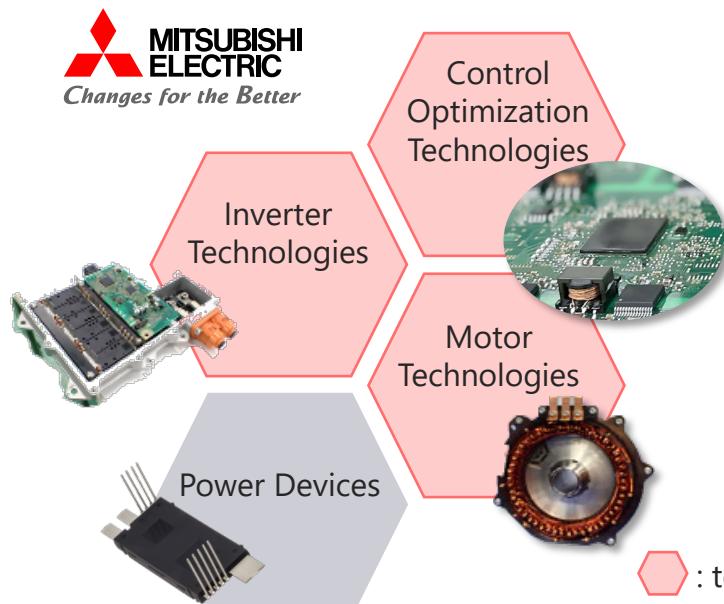
ECU: Electronic Control Unit

Key Strategy (xEV Business)

2. Mobility

Reached a Basic Agreement to Establish a Joint Venture Company for the Products of Next Generation Electric Vehicles with AISIN.
Respond to the diversifying needs for vehicle electrification, ultimately to contribute to global carbon neutrality.

Strengths of Mitsubishi Electric Group

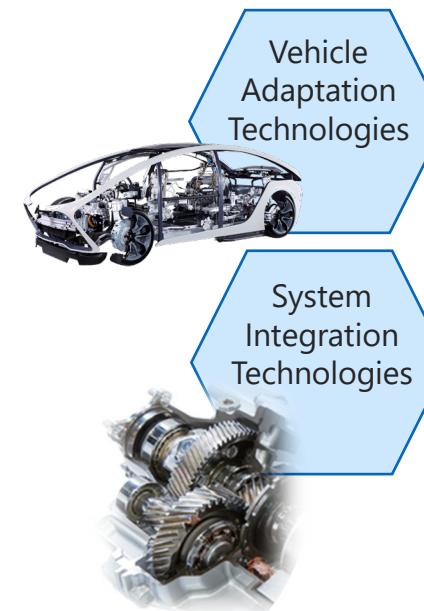


Power electronics
technologies



Integration
technology

Advance the strength of technologies
of both companies

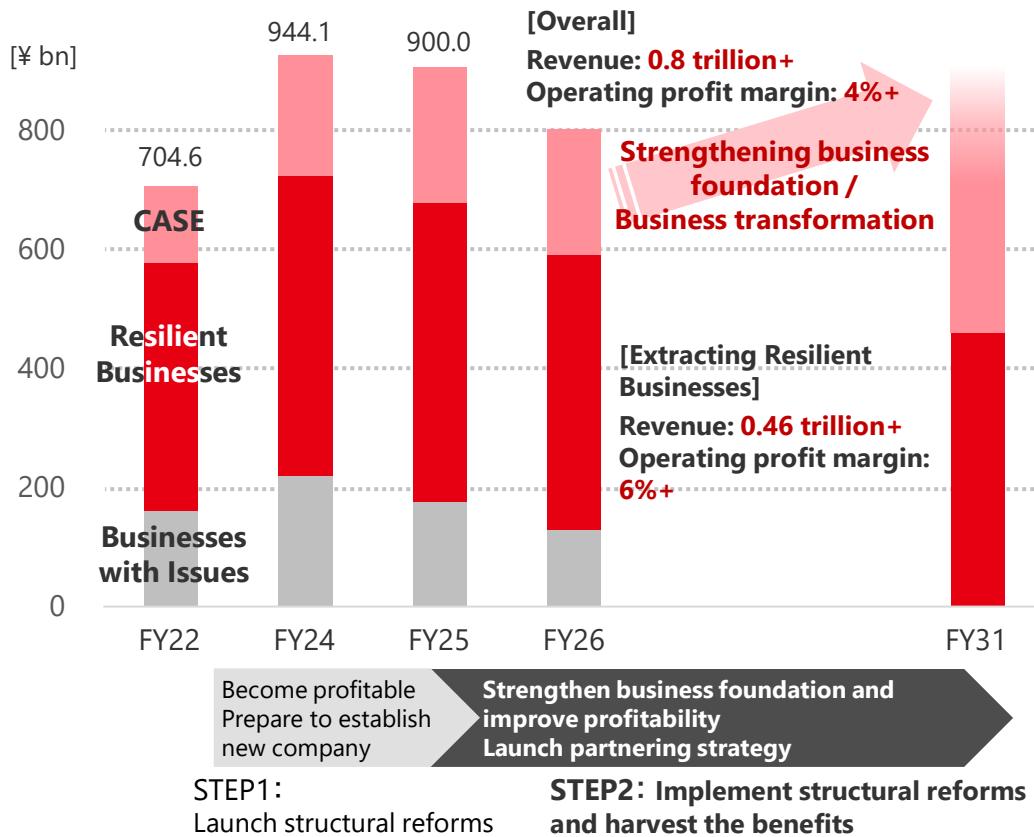


Scope of
JV

Develop, produce and sell motors, inverters, and their control software, which will be optimized for vehicles and relevant systems and used in next-generation EVs, including BEV, PHEV, and HEV.

From FY2025 onwards, we will move into the phase of implementing structural reforms and harvesting the benefits. We will aim to strengthen profitability by strengthening business foundation and to achieve regrowth through business transformation.

Consolidated Revenue (Automotive Equipment Business)



Major Measures to Strengthen the Business Foundation

Complete the portfolio strategy by strengthening the business management system

- Promote speedy business operations in line with the portfolio strategy by strengthening marketing capabilities, promoting DX, and shifting resources in the new company

Restructure the global production system

- Embody the roadmap for the utilization of U.S. factories in growth businesses such as A/C & Refrigeration Systems and FA Control Systems. Aim to streamline production yards at overseas bases.

Launch partnering strategy

- Reached a Basic Agreement to Establish a Joint Venture Company for the Products of Next Generation Electric Vehicles with AISIN CORPORATION

3 Industry

Business Structure

3. Industry

Contributing globally to manufacturing with effective businesses offering diverse products, services, and solutions, backed by over a century of expertise.

Automating the World

FA Systems Business Product Lineup

			Key Growth Businesses	Resilient Businesses	
			PLC	Servo	CNC
Control and Drive Products	FA Control Systems				
Control and Drive Products	Other Control and Drive Products				
Processing Machines					
Rotary Motors, Power Distribution Control Equipment					
FA Digital Solution	e-F@ctory Consulting				

*Laser processing machine for Carbon Fiber reinforced plastics

FA Systems Business Assets

Sales & service assets

Sales network
Global **90** countries+

Service network (FA Center)
21 countries
43 bases

1,122 companies

414 companies



4,304 companies

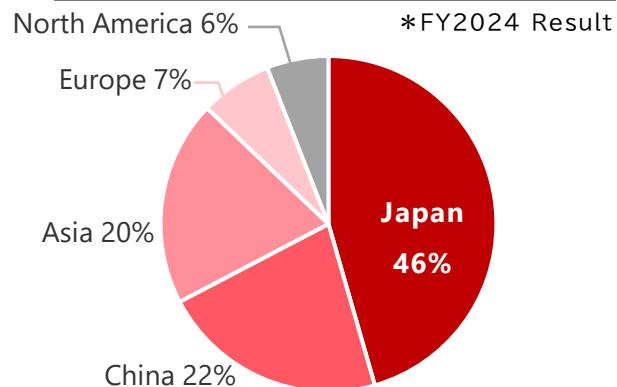
Customer assets

Number of units in operation
29 million

Registered members on FA website
1.52 million

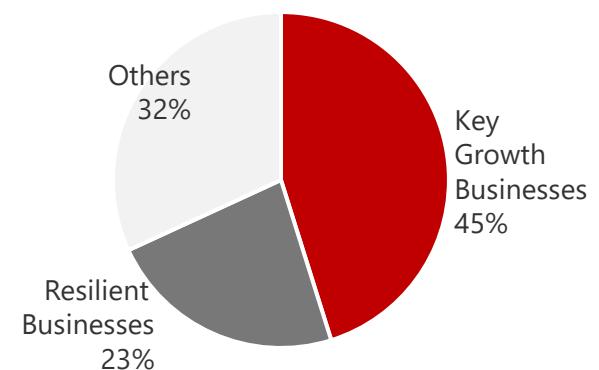
Number of social media followers
1.09 million

Revenue Ratio by Region



Revenue Ratio by Business

* FY2024 Result



Position in the Industry and Demand Environment

3. Industry

As a leading manufacturer in the field of real-time control, we will strengthen our value proposition for the globally expanding FA market.

Positioning



PLC



Servo



CNC

- Leading company in Asia in the field of real-time control
- One of the top 3 leading companies in the world in the PLC, servo, and CNC business areas

Market Environment

- Growing importance of a robust supply chain that can respond to VUCA
- Transition to manufacturing that utilizes digital technology and data
- Changes in the competitive environment in the Chinese market with the rise of Chinese FA manufacturers

Demand Environment (FY2025-2026)



Semiconductor

Continuous demand for generative AI and servers. Demand for memory and other components is expected to recover and increase over FY2026.



Smartphone/EMS
Display

Demand is increasing for certain processes for smartphones in China. Increased relocation of production to India and Vietnam.



Automotive/
Battery

There is uncertainty around BEVs, however, demand for automobiles overall, including HEVs, is strong. Battery investments in China are saturated, but investments in Europe and the U.S. will expand in the mid-term.



Data Center

Steady investment continues as digitalization and generative AI become more prevalent.



Food and
Beverage

Stable investments will continue over the mid-term due to new demand from growing environmental awareness.

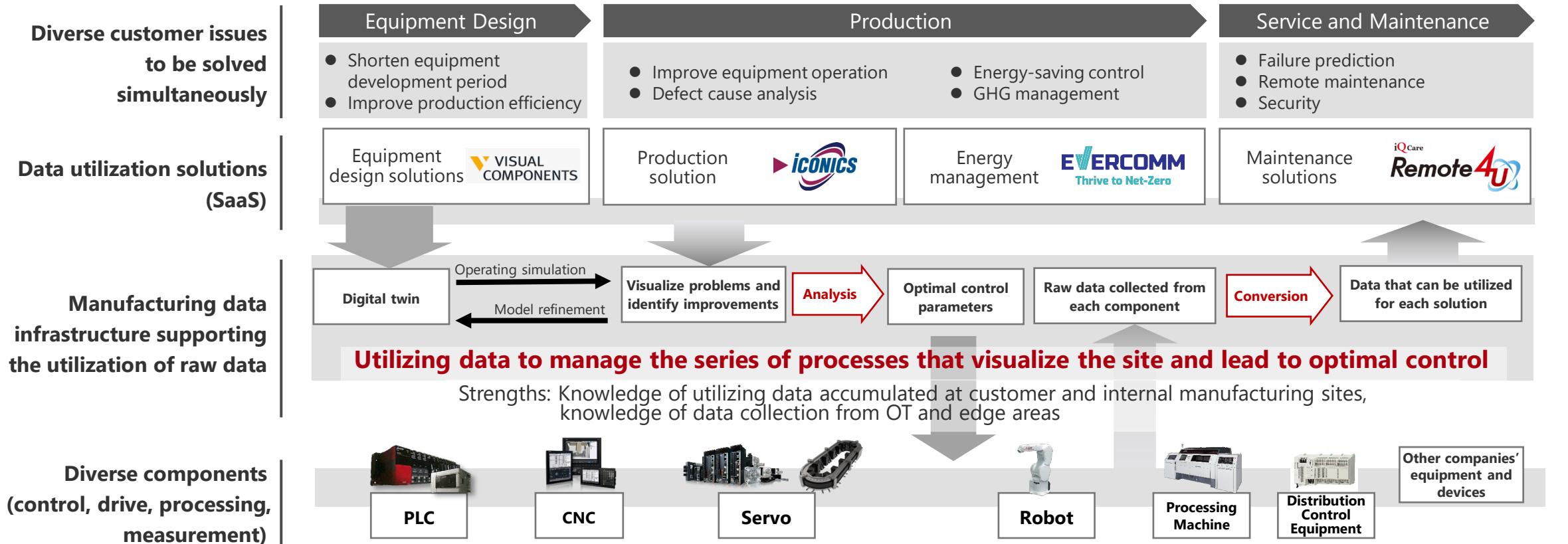
Key Strategies

3. Industry

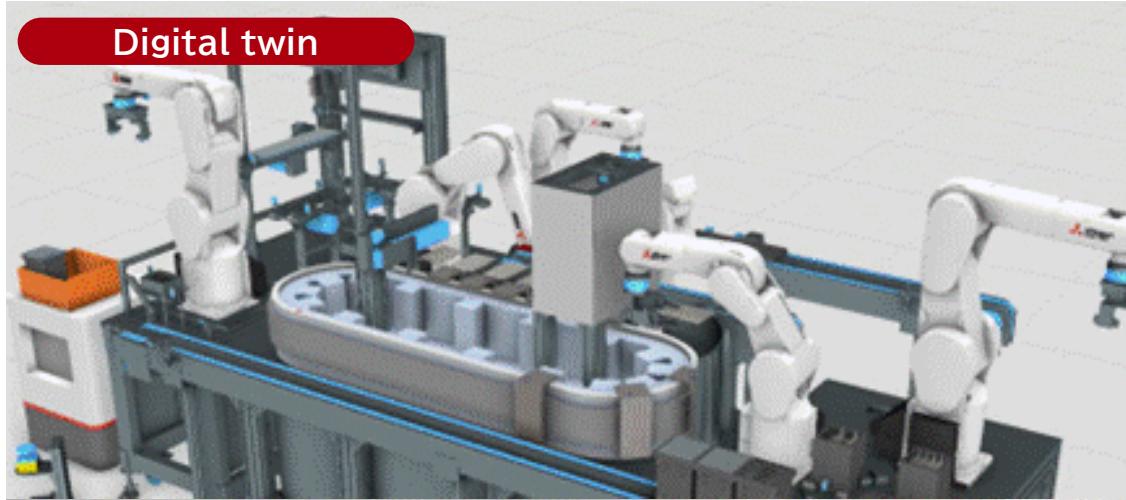
Continuously enhance business competitiveness by making aggressive growth investments in Key Growth Businesses and the FA Digital Solutions area, while also strengthening business operations in China.

	FY2022-FY2024 Results	FY2025-FY2026 Initiatives
Strengthen core components of Key Growth Businesses	Utilize M&A and strategic investments to gap-fill missing parts <ul style="list-style-type: none">Investment in MOVENSYS (Mar 2023): Strengthening motion software for servo business	Enhance next-gen products with advanced features and scalability <ul style="list-style-type: none">Linear track market launch (FY2025)Increased investment in Realtime Robotics (May 2024): Strengthening controller products
Establish a FA Digital Solution business model	Strengthen and acquire digital talent and technology <ul style="list-style-type: none">Organized specialized DX unit for FA (170+ personnel as of Apr 2024)Executed six M&A / investments, mainly in software and AI	Accelerate efforts to quickly launch the business <ul style="list-style-type: none">Continue strengthening digital talent and technology, concentrate resources on Yokoyama (Oct. 2024)Start industrial cloud service (FY2025)
Strengthen global manufacturing system	Fundamental expansion of production capacity <ul style="list-style-type: none">New factory in Owari-asahi: Building 1 (FY2026) and Building 2 (FY2028)Started operation of new factory in Talegaon, India (Dec. 2023)	Accelerate localization of production to mitigate geopolitical and natural disaster risks <ul style="list-style-type: none">Establish No. 4 Production Building in Dalian, China (FY2026)Strengthen ASEAN manufacturing base: New factory in Vietnam (Jun 2024)
	Recognized Issues	FY2025-FY2026 Initiatives
Strengthen business competitiveness in the most important region, China	<ul style="list-style-type: none">Intensifying competitive environment due to the rise of local Chinese FA manufacturersAcceleration of Chinese equipment manufacturers and end-users, especially in growth industries, to expand their operations outside of China	Fundamental reinforcement of China business structure <ul style="list-style-type: none">Autonomous business management system in China, including product planning and developmentConsider collaboration with local vendors Strengthen utilization of global bases for Chinese customers expanding outside of China <ul style="list-style-type: none">Assign Chinese staff to global service and sales bases to enhance local support and Spec-in for Chinese customers

Strengthening the manufacturing data infrastructure to support the utilization of raw on-site data obtained from various components. Visualization and optimal control of components by solution area to simultaneously solve complex issues at manufacturing sites.



Digital Twin Utilization Example



Digital twin



Manufacturing site

Complex issues to be resolved:

Increased productivity and energy efficiency

Control optimization using a digital twin

- Quickly perform operational checks during the equipment design phase
- Accurately simulate changes in productivity and energy consumption depending on operating conditions
 - Productivity bottleneck analysis
 - Visualization of energy consumption patterns

Update and improve accuracy
of digital twin models

Extract optimal operation
patterns from simulation results

Acquire raw data on equipment operating status from each component

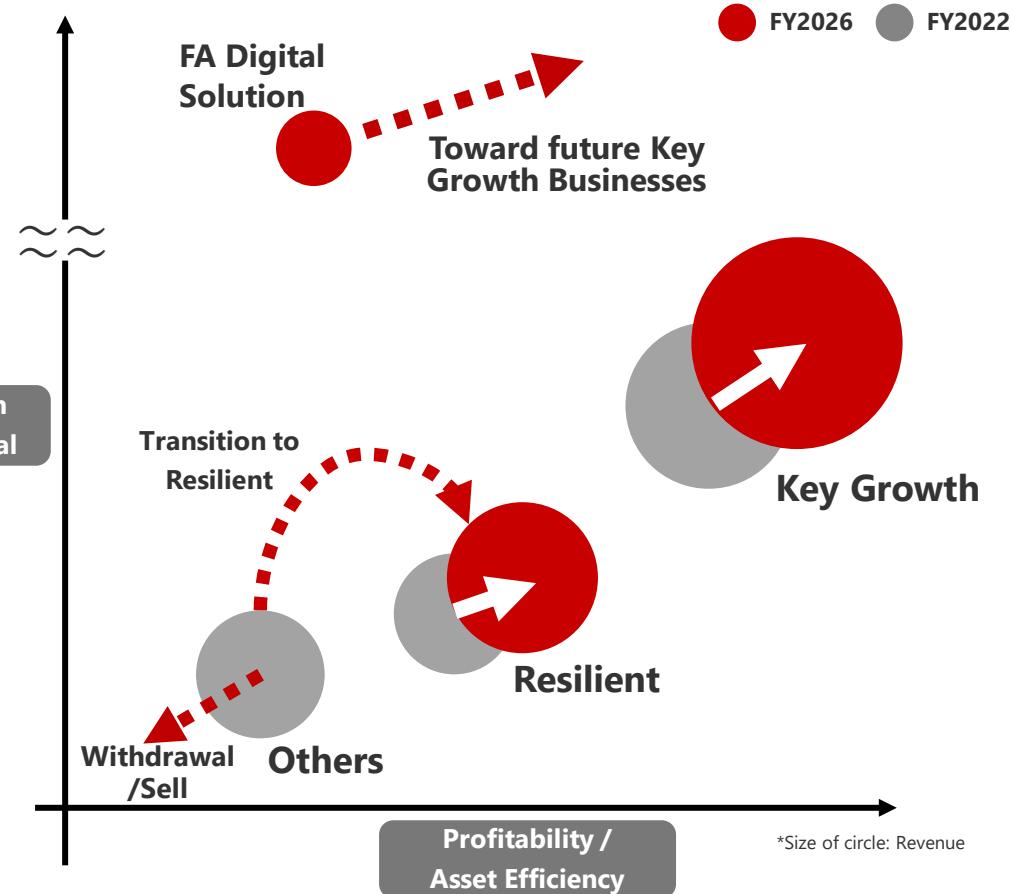
- Equipment operating data
- Product inspection data
- Jig/equipment condition data
- Current data of each device

Optimize line control

- Program changes linked with production status
- Energy-efficient operation

Maximize the value of the FA Systems Business by restructuring the portfolio to realize the ideal business form from the perspective of the “best owner”.

Portfolio Transformation



Concrete Measures

Key Growth Business

Further business growth through continued growth investment

- Strengthen the region-specific product lineup
- Develop enhanced next-gen products with advanced features and scalability

FA Digital Solution

Aggressive investment towards future Key Growth Businesses

- Active investment in digital talent and technology to continuously strengthen the manufacturing data infrastructure and data utilization solutions

Resilient Business

Selective investment of resources to achieve 15%+ operating margin

- Expand production of inverters to contribute to carbon neutrality
- Expand value proposition of processing machines by enhancing operation and maintenance services

Others

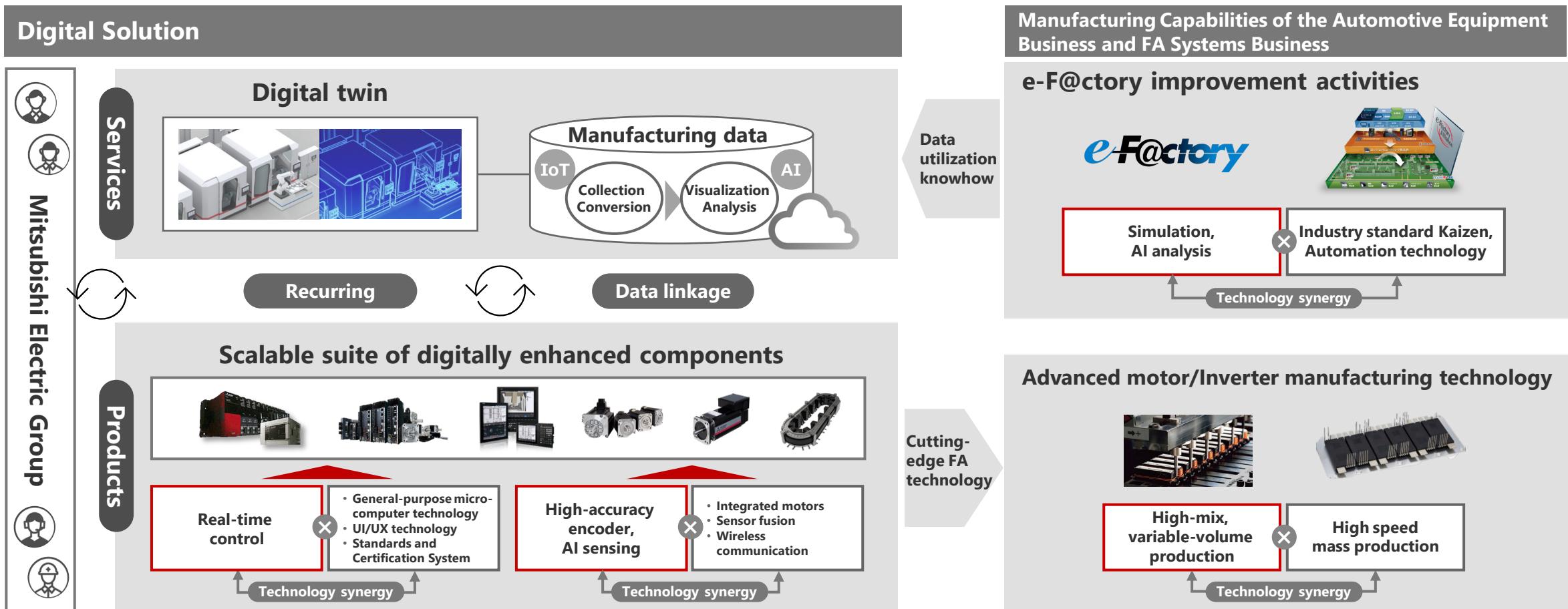
Businesses structural reforms including withdrawal and sell

- Improve profitability through proactive measures such as resource reorganization and model consolidation
- Shift resources to growth areas from non-performing areas by withdrawal or sell, while searching for the best owners
 - Distribution transformer business: Business transfer (Apr. 2024)

4

Industry & Mobility BA

Maximize technological synergies, mutually reinforcing the manufacturing capabilities of the Automotive Equipment Business, the FA System Business, and the FA digital solution business.



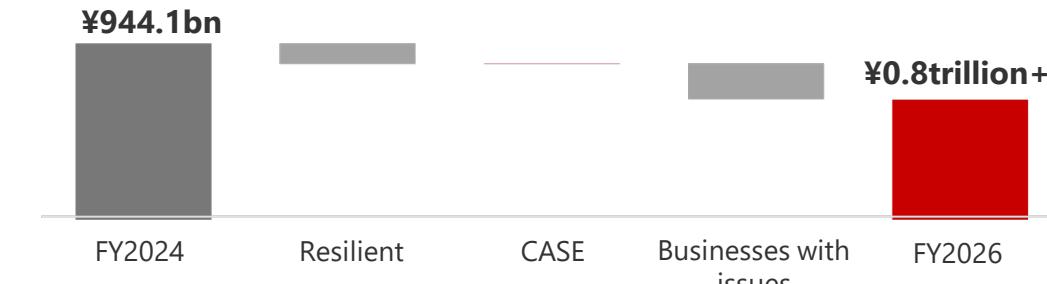
FY2026 Financial Target: Breakdown of Changes in Revenue and Operating Profit

4. Industry & Mobility BA

Aim to achieve 9%+ operating profit margin by strengthening profitability through business transformation based on portfolio strategies such as; early termination of businesses facing extensive challenges and shifting resources to focused growth areas of CASE and FA Digital Solution businesses.

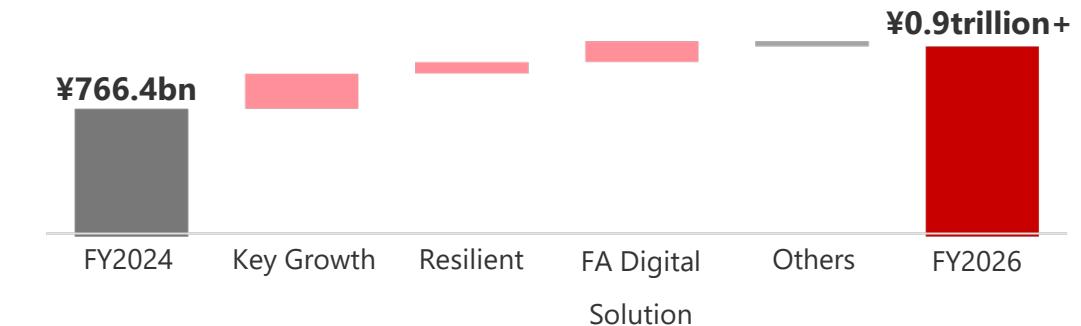
Mobility

Revenue

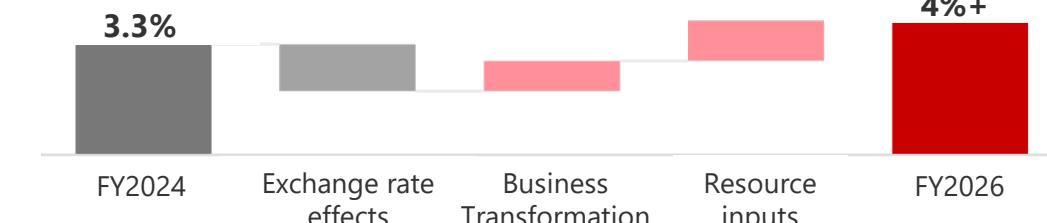


Industry

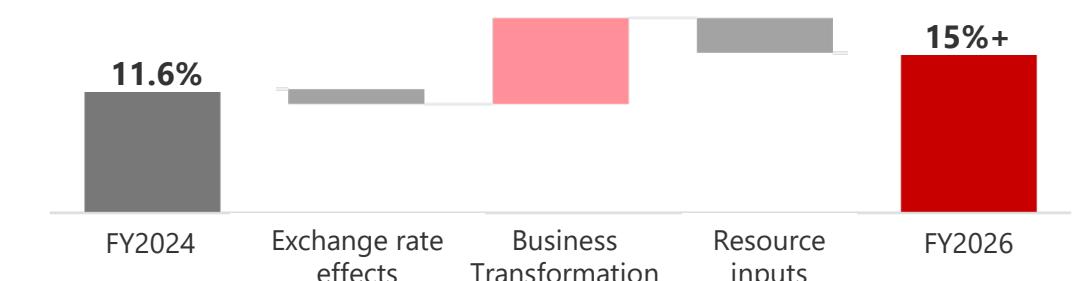
Revenue



Operating Profit Margin



Operating Profit Margin

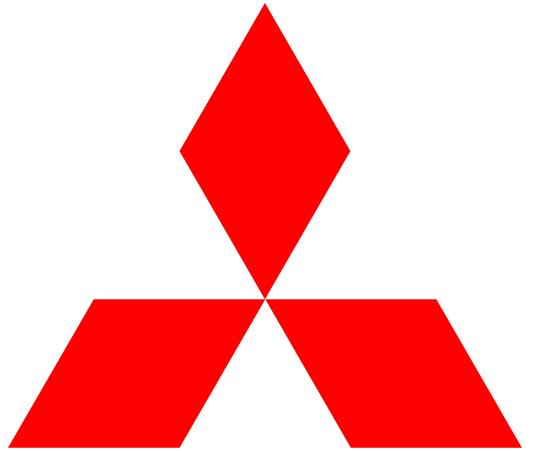


Cautionary Statement

While the statements herein, including the forecasts regarding the Mitsubishi Electric Group, are based on assumptions considered to be reasonable under the circumstances on the date of announcement, actual results may differ significantly from forecasts. The main factors materially affecting the expectations expressed herein include but are not limited to the following:

1. Changes in worldwide economic and social conditions, as well as regulations, taxation and other legislation
2. Changes in foreign currency exchange rates
3. Changes in stock markets
4. Changes in the fund-raising environment
5. Changes in the supply and demand of products, as well as the material procurement environment
6. Establishment of important patents, status of significant licenses and disputes related to key patents
7. Litigation and other legal proceedings
8. Issues related to quality and defects in products or services
9. Laws, regulations and issues related to the global environment, especially responses to climate change
10. Laws, regulations and issues related to human rights
11. Radical technological innovation, as well as the development, manufacturing and time-to-market of products using new technology
12. Business restructuring
13. Information security incidents
14. Large-scale disasters, including earthquakes, tsunamis, typhoons, volcanic eruptions and fires
15. Social, economic and political upheaval due to heightened geopolitical risks, war, conflict, terrorism or other factors
16. Social, economic and political upheaval due to pandemics or other factors
17. Important matters related to Mitsubishi Electric Corporation's directors and executive officers, major shareholders, affiliated companies and other stakeholders

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Changes for the Better