

Investor's Guide

Main Part

Notes:

- This material is composed mainly of basic contents to promote understanding of Yaskawa for analysts and investors.
- Figures in this document are rounded off and may differ from those in other documents such as financial results.
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**YASKAWA ELECTRIC CORPORATION
(TSE6506)**

What is Yaskawa?

- Turning motors for 100 years
- Helping to build systems supporting industries and societies
- Three globally competitive products;
Industrial robots/AC servo drives/AC drives



Industrial robots
MOTOMAN Series



AC servo drive
Σ-X Series



AC drives
New series

- 1. Corporate Profile and Business Overview**
- 2. Long-term Business Plan “Vision 2025”,
Mid-term Business Plan “Realize 25”**
- 3. Sustainability**
- 4. Solution Concept “i³-Mechatronics”**

1. Corporate Profile and Business Overview

Founding Spirit

Our Company was founded by Daigoro Yasukawa in 1915 with the aim of "setting up an industry to repay the debt of gratitude to the State", an aspiration held by his father Keiichiro Yasukawa.



Keiichiro Yasukawa

Daigoro Yasukawa

Our Purpose

Yaskawa's mission is to contribute broadly to social development and human welfare through the execution of our business. To achieve the mission, our group has set the following three objectives and work hard to achieve them.

Our Value

- 1. Quality** Always developing and improving world-class technologies with a focus on quality
- 2. Profit** Working to improve management efficiency and secure Profit necessary for the sustainable growth
- 3. Market** Serving the needs of our customers and pursuing customer satisfaction

Profile

(As of February 28, 2025)

*Consolidated fiscal year from March 1, 2024 to February 28, 2025

Corporate Name	YASKAWA Electric Corporation	Consolidated Revenue	537.7 billion yen*
Founded	July 16, 1915	Main Business	<ul style="list-style-type: none">• Motion Control (AC servos, controllers and AC drives)• Robotics• System Engineering
Head Office Location	2-1 KurosakiShiroishi, Yahatanishi-ku, Kitakyushu Fukuoka JAPAN		
Capital	30.6 billion yen		
Number of Employees	Consolidated 12,833		



Business History



Founder
Daigoro
Yasukawa

Founded
1915

1950

1980

1990

2000

Representative Director,
President (FY 2023 -)
Masahiro Ogawa



100 th anniversary
2015

Electric motors
(for coal mining)



1917 -
Commercialized "three-phase induction motor".



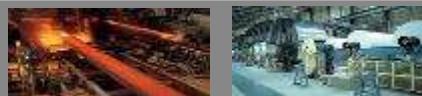
1958 – Invention of
"Minertia Motor"



1977 – Debut of
Japan's first full
electric industrial robot

Shifted the focus on
Mechatronics
field

System Engineering



AC Drives



AC Servomotors



Industrial Robots



Glass sheet
transfer robot

Semiconductor wafer
transfer robot



Environmental and
energy equipment

Medical and
welfare robots

Food and
agriculture

Launch of Solution Concept
i3-Mechatronics

VISION 2025

Factory
Automation
/ Optimization



Mechatronics
Applications



**"Mechatronics" is a combining word with mechanism (mechanical engineering) and electronics (electronic engineering), and Yaskawa has registered the trademark in 1972.

Revenue Breakdown by Business Segment

System Engineering

Revenue 38.4 (B JPY)

Core products:

Electrical systems for steel plants
Electrical instrumentation systems for water supply
plants and sewage treatment facilities

* Since FY2024, the environment and energy business, including PV inverters has been integrated with Drives business of Yaskawa Electric Co., Ltd.



Continuous casting machine



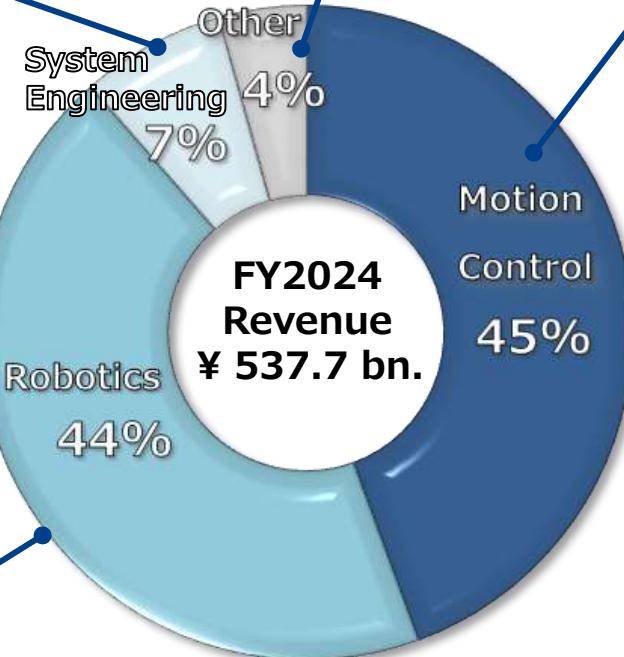
Electrical instrumentation systems for water and sewerage

Other

Revenue 23.2 (B JPY)

Core products

Logistics, etc.



Robotics

Revenue 237.4 (B JPY)



Core products:

- Industrial robots
- Arc and spot-welding robots, painting robots
- FPD glass sheet transfer robots, handling robots
- Semiconductor wafer transfer robots
- Biomedical robots
- Collaborative robots
- Adaptive robots

Core products:

MOTOMAN-HC30PL

7-axis arc-welding robot
MOTOMAN-AR1440E

Motion Control

Revenue 238.8 (B JPY)

➤ **AC servo motors and controllers (48%)**



AC servo motor
Σ-X series
YRM controller



YRM controller

Target Markets:

Semiconductor and FPD manufacturing devices, chip mounters, machine tools, injection molding and metal forming machines, etc.

➤ **Drives (52%)**

ECO PM motor

Yaskawa AC drive
GA 700 series



ECO PM motor



PV inverter
Enewell-Sol P3A 25kW

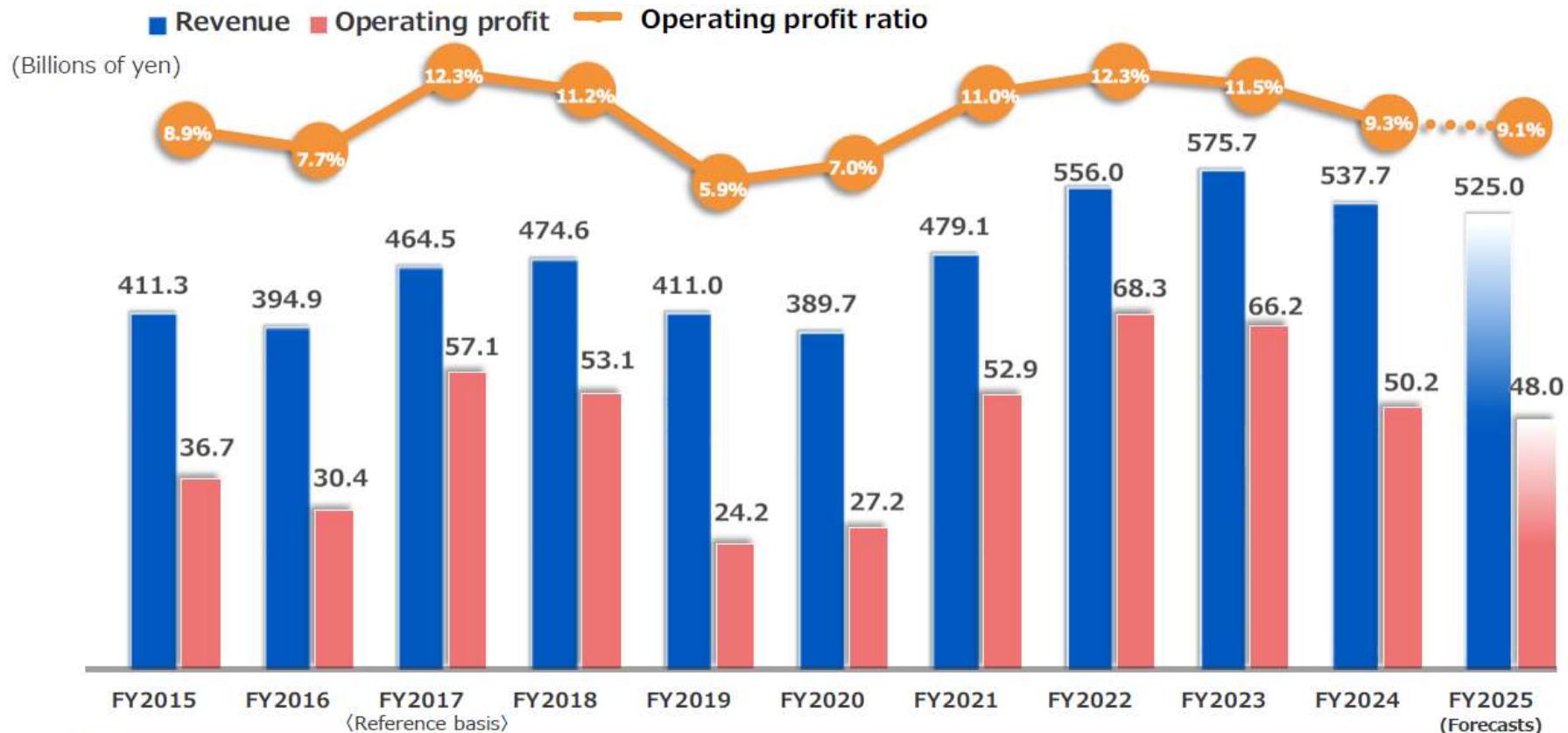


Target Markets:

Elevators and escalators, HVAC, textile machines, port cranes, etc.

Revenue / Operating Profit (FY2015 – FY2025 Forecasts)

- Setting **operating profit** as the most important KGI
- Formulating mid-term business plan every three to four years



Dash 25

Challenge 25 Plus

Realize 25

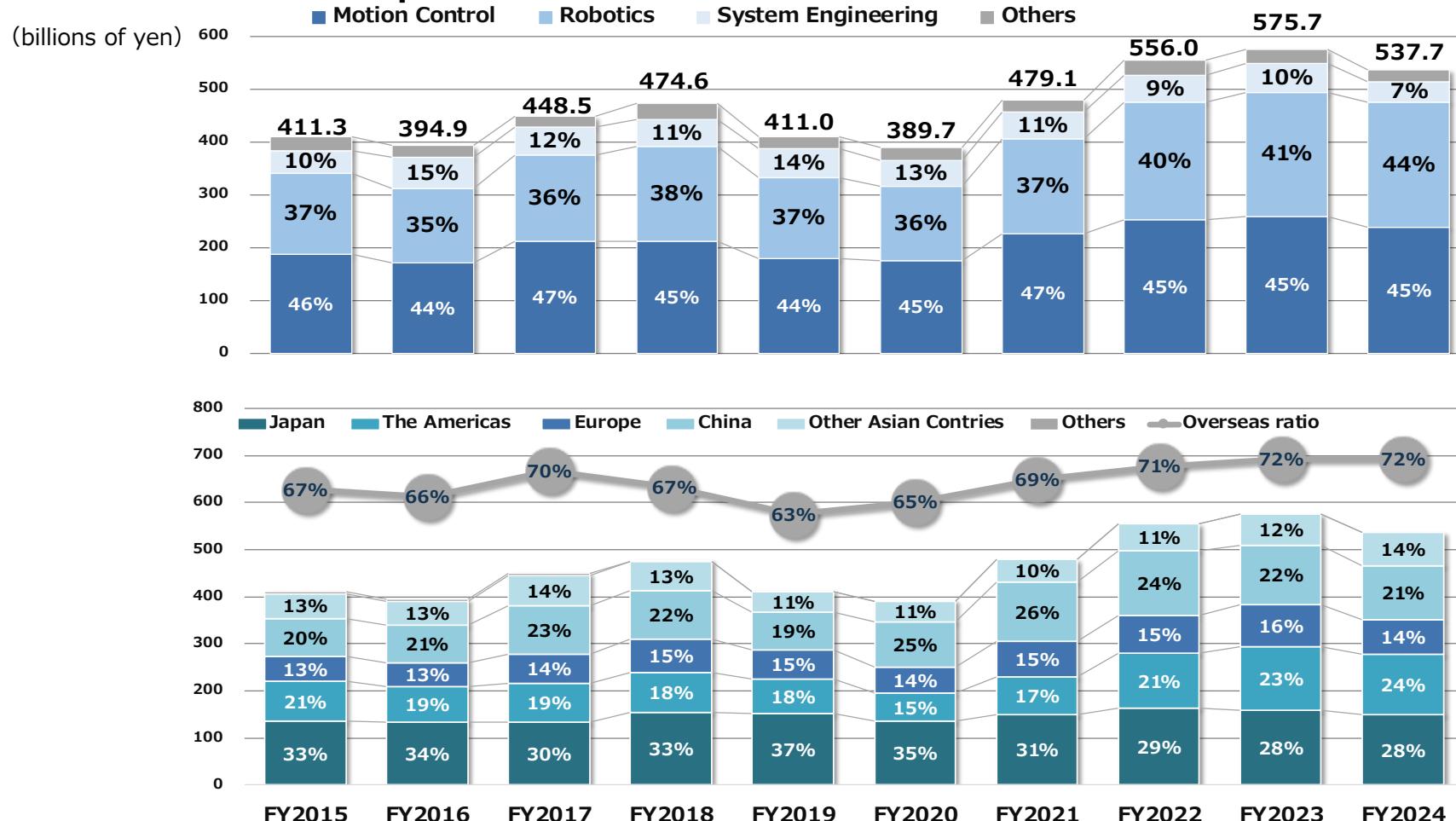
Mid-term business plans

Note1: Data up to FY2017 are based on Japanese GAAP.

Note2: The data for FY2017 are made on a reference basis. (March 21, 2017 – March 20, 2018)

Revenue by business segment and location (FY2015-FY2024)

- **Robotics** is expanding due to the trend of automation, labor-saving, and EVs.
- Overseas sales ratio is increasing by accurately capturing demand expansion in growth markets out of Japan



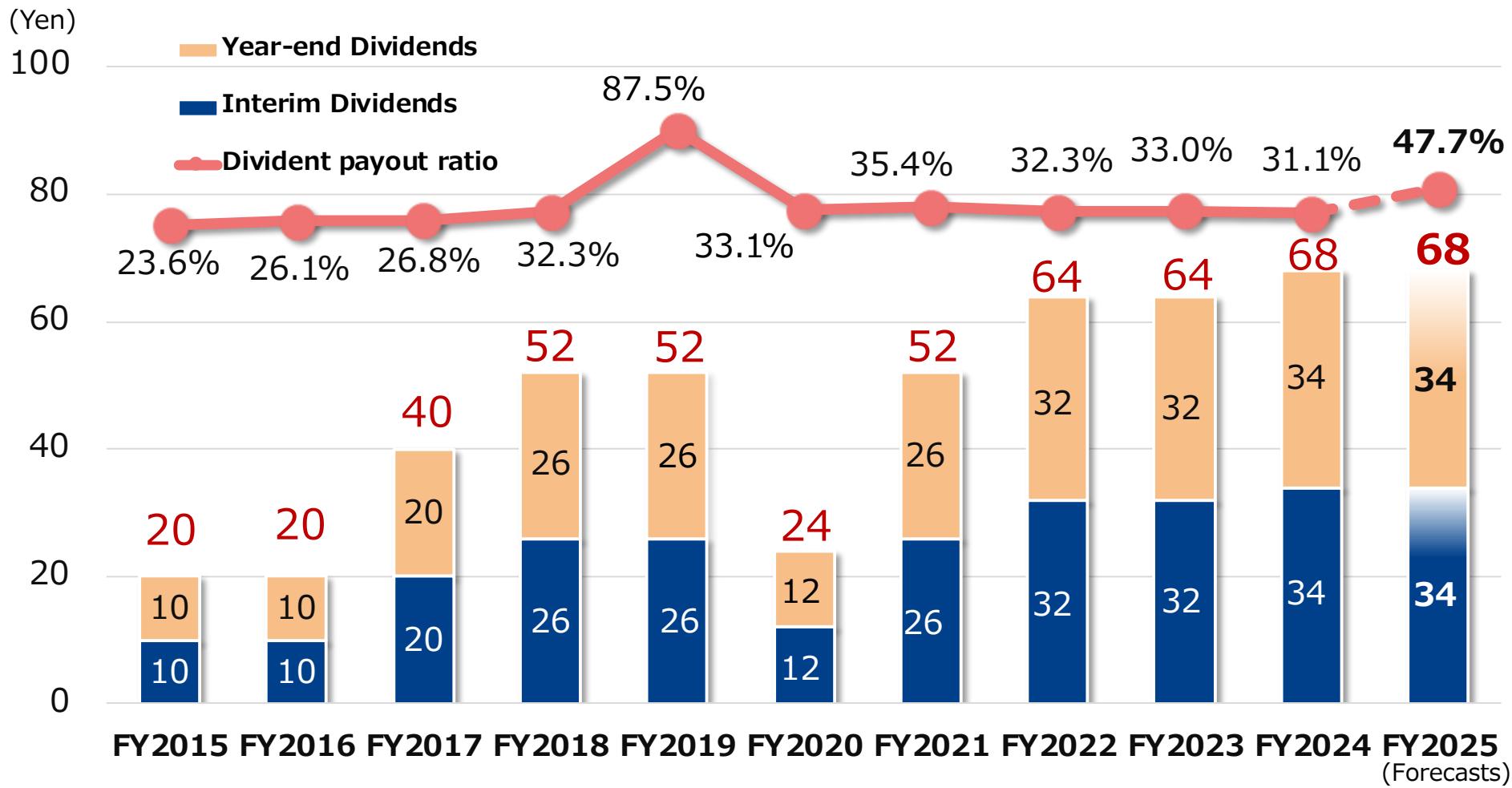
※The Company has adopted International Financial Reporting Standards (IFRS) since its Annual Securities Report submitted on May 28, 2020. The figures for the previous fiscal year are restated based on IFRS for comparative analysis.

※The Company changed its accounting period starting FY2017 from March 20 to the last day of February. As a transitional year for this change, FY2017 was from March 21, 2017 to February 28, 2018.

※The Company has changed the basis for calculating regional information from the destination (customer locations) to the location of each Yaskawa Group company since FY2022.

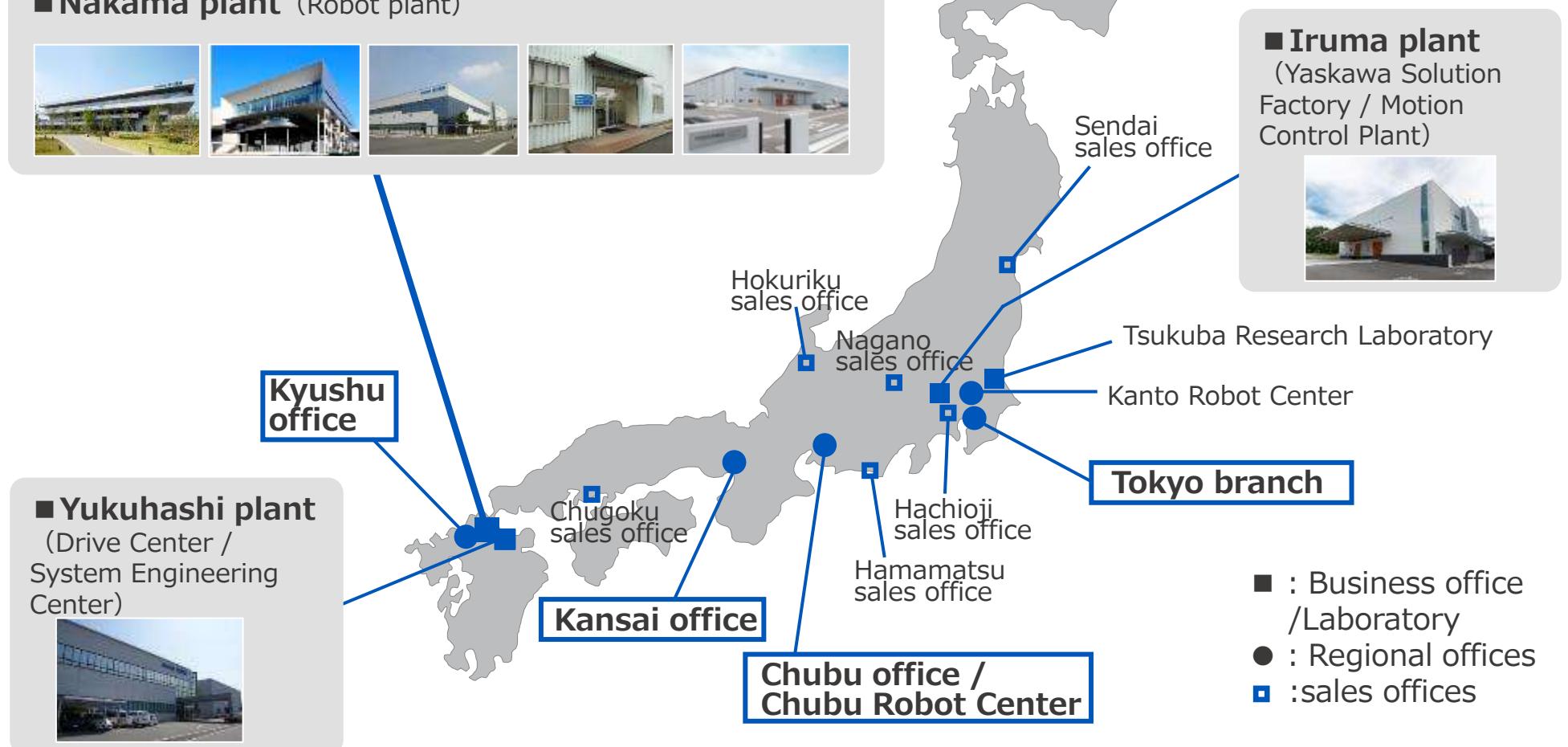
Shareholder Return (Dividends)

- The cash generated by business activities is effectively allocated in three directions:
(1) growth investments (2) shareholder returns (3) return to employees
- The policy of shareholder returns is based on a payout ratio of 30% + a.



Network in Japan

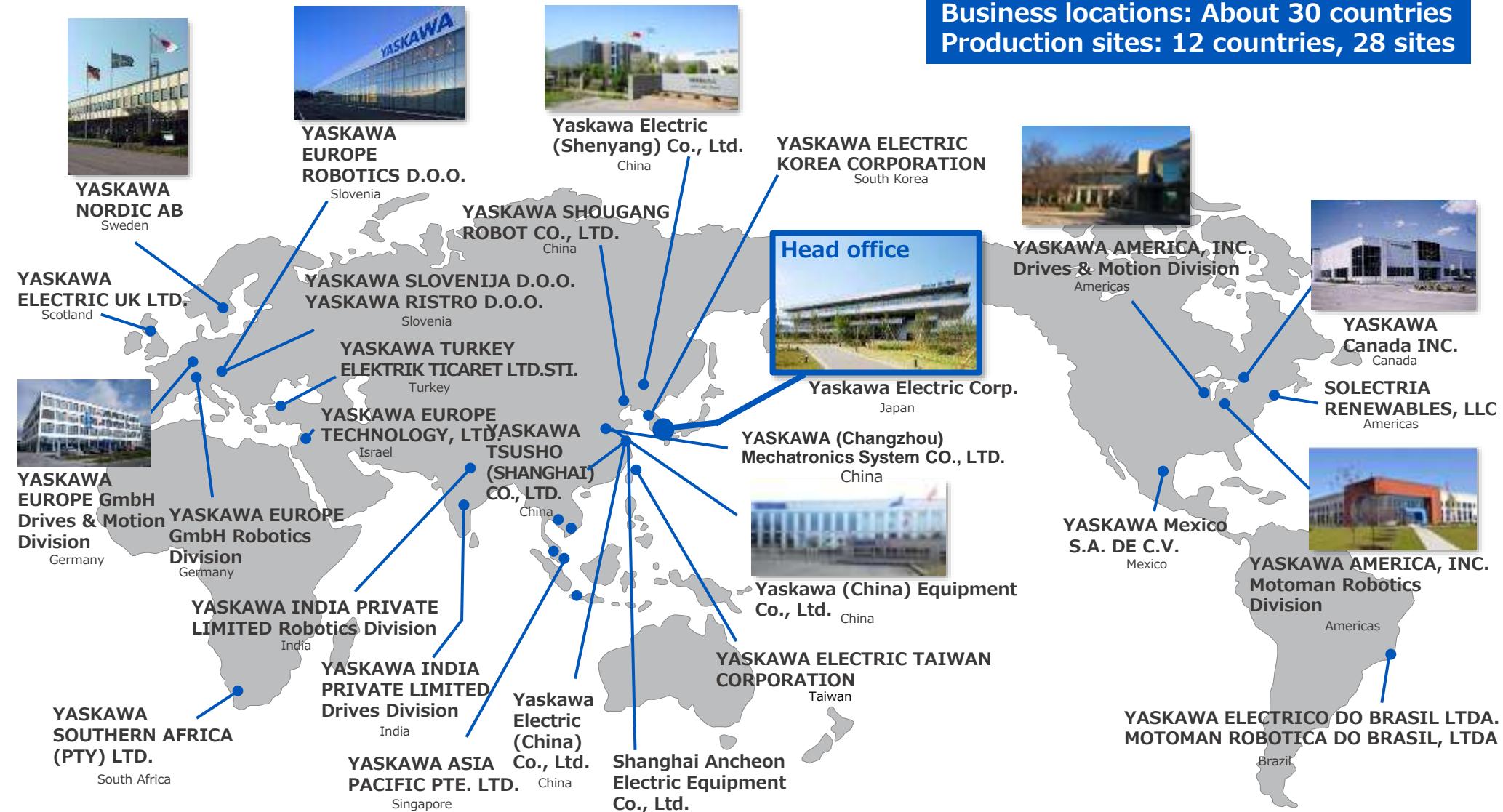
- **Head office** (Robot Village) / **Yaskawa Technology Center**
- **Yahata-nishi plant** (Robot Plant / Yaskawa Innovation Center)
- **Yahata-higashi Plant** (Motion Control Plant / Motor Plant)
- **Nakama plant** (Robot plant)



- : Business office /Laboratory
- : Regional offices
- ▣ : sales offices

Global Network

**Business locations: About 30 countries
Production sites: 12 countries, 28 sites**



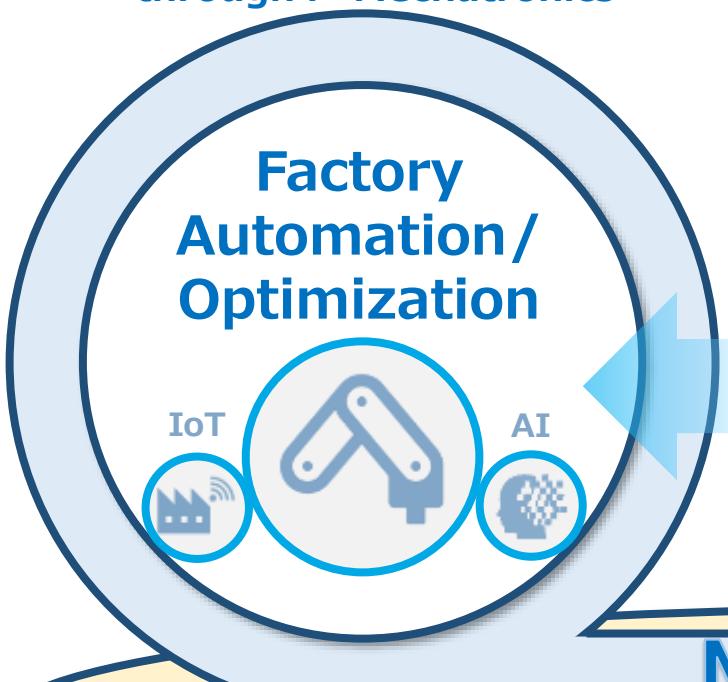
2. Long-term Business Plan “Vision 2025” (FY2016-FY2025)

Mid-term Business Plan “Realize 25” (FY2023-FY2025)

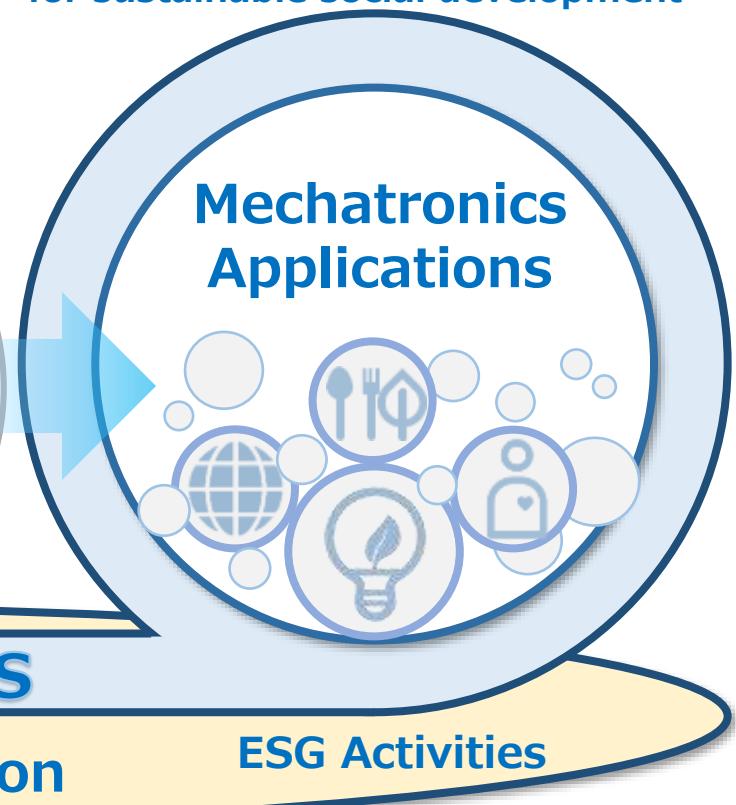
Yaskawa's Vision for 2025

We contribute to solving customers' management issues in addition to creating new added value to society, through evolution of core businesses, and expansion into new fields by applying mechatronics technology

Automation and optimization of factories
through i³-Mechatronics*



New fields of mechatronics application
for sustainable social development



Mechatronics

Glocal Management

Business Foundation

ESG Activities

* i³-Mechatronics: Yaskawa's solution concept for realizing new industrial automation revolutions

Financial Targets for FY 2025

We set operating profit as the most important KGI to be achieved in FY 2025

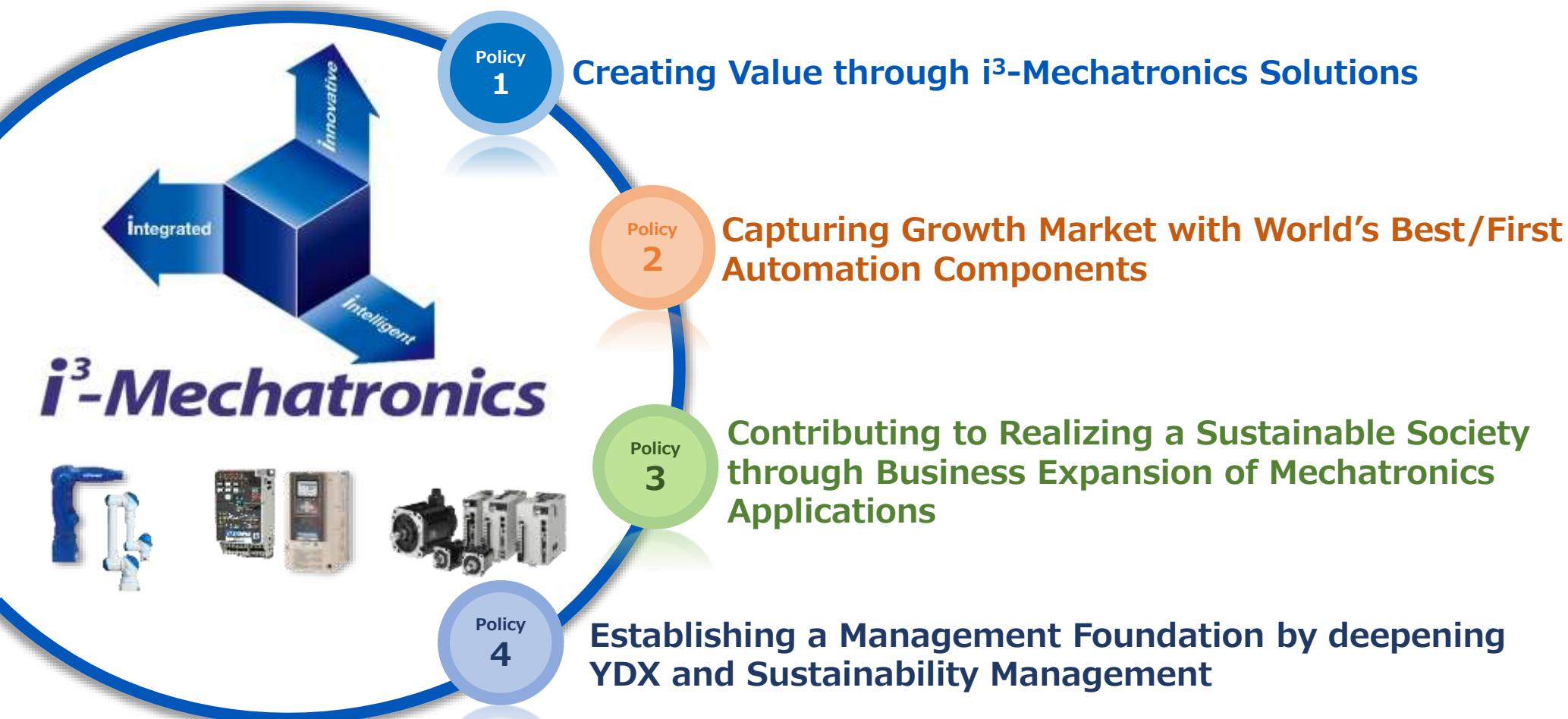
	FY2015 Actual (JPY)	FY2025 Targets (JPY)
Operating Profit	36.7 billion	Over 100 billion
ROE *1 ROIC *2	12.8% 11.3%	15.0% or more 15.0% or more
Divided Payout Ratio	23.6%	30.0% + a

*1 **ROE:** Return on Equity (return on equity) = Net income attributable to owners of parent/Equity

*2 **ROIC:** Return on Invested Capital (return on invested capital) = Net income attributable to owners of parent/Invested capital

Aim and Policies of "Realize 25"

Provide new values by expansion of i³-Mechatronics and evolution of robotics to achieve "Vision 2025" and contribute to realizing a sustainable society



Policy1: Creating Value through i³-Mechatronics Solutions

Strengthening technology, production, sales, and service functions

Technology

Enhancing technological development capabilities to increase values of customers

Production

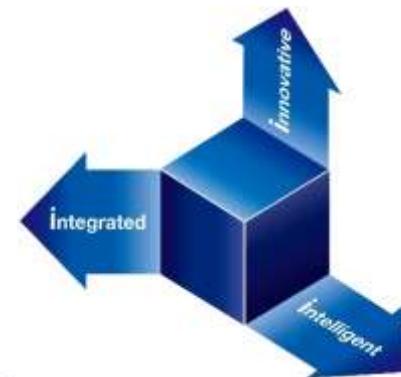
Evolving group-wide manufacturing with i³-Mechatronics

Sales

Strengthening strategic approach to customers and their supply chains

Service

Innovating product and service quality throughout the product lifecycle



i³-Mechatronics

Realizing new revolutionary industrial automation

integrated

integrated·coordinated production site

intelligent

intelligent production site

innovative

innovative production site

Policy 2. Capturing Growth Market with World's Best/First Automation Components

Securely capture demand in growing markets by developing global market-specific strategies centered on automation components and building optimal production systems

Sales & Service



Strategy by markets

Product



YRM controller
MOTOMAN NEXT, Σ-X series
Cooperative/semiconductor robot
AC drives series

Production



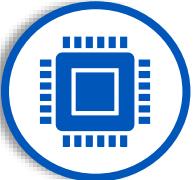
In-house production
Further automation
Demand area production



EV market



Battery market



Semiconductor market



F&B market

Policy 3. Contributing to Realizing a Sustainable Society through Business Expansion of Mechatronics Applications

Energy Saving

Expand sales of "green" products to improve customers' **energy efficiency** and **reduce environmental impact**

AC drives Robots

Highly efficient motors Regenerative energy saving unit



PM motor
AC drive GA500
AC drive GA700

Clean Power

Full scale business expansion based on new products realizing **world-class energy creation**

PV inverters



Enewell-SOL P3

Food & Agri

Combine core technologies to achieve **food safety** and **stable supply**

Automation in agricultural area Automation in food production processes

Plant factory system



Plant Factory System "Agrine"

Biomedical Science

Bring **brighter future** for all people

Automation in genome diagnostics Automation in regenerative medicine

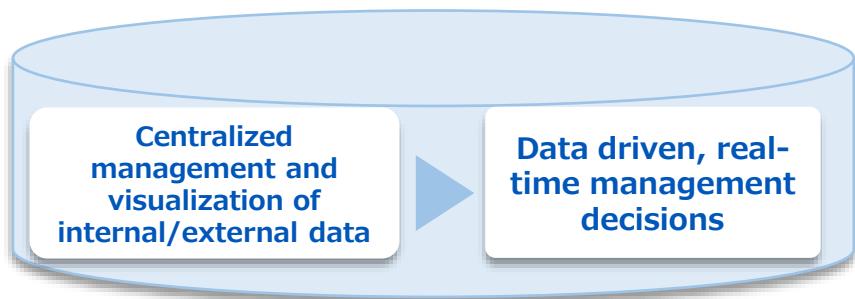


Double-arm robot for biomedical applications "Mahoro"

Providing New Value through YDX Chain Based on PLM Restructuring

**Create customer value through PLM* restructuring with
“YDX-II”(second phase of YDX)**

Construct Yaskawa data lake that supports digital management



Establish YDX chain throughout the product lifecycle



**Realize operational reformation
that will lead to customer value**

YDX-I ~to date (internal DX)

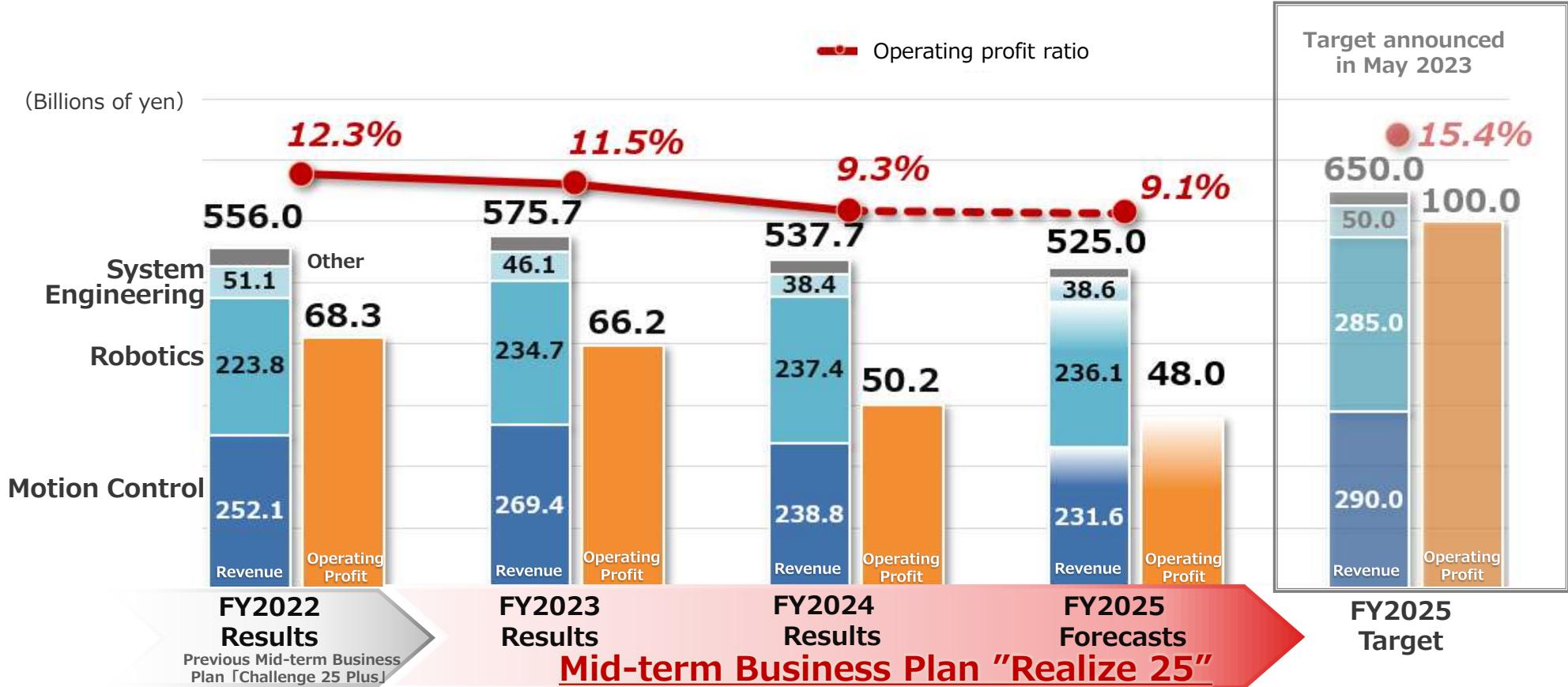
Data centralization, business reform, management visualization

YDX-II from now~(internal+external DX)

Create customer value from product/service perspectives

*PLM: Product Lifecycle Management

Progress of Mid-term Business Plan "Realize 25"



ROE	16.2%	13.6%	13.7%	—	15.0% or more
ROIC	14.6%	11.8%	12.2%	—	15.0% or more
Dividend payout Ratio	32.3%	33.0%	31.1%	47.7%	30.0% or more

3 . Sustainability

Promotion of Sustainability

Formulated the policy to strengthen initiatives to contribute to social sustainability

Sustainability Policy

We will strive to realize a sustainable society and increase corporate value through the implementation of the Yaskawa Group Principle of Management which is to leverage the pursuit of our business to contribute to the advancement of society and the well-being of humankind.

1. We will contribute to the value creation for customers and society through creating innovation by cutting-edge mechatronics technologies.
2. We will realize fair and transparent corporate management through communication and collaboration with stakeholders around the world.
3. We will work to resolve social issues globally with the aim of achieving SDGs as a universal goal.



Yaskawa Group's Sustainability Challenges and Targets (Materiality)

**Under newly formulated Sustainability Policy,
identifying materiality and expanding initiatives to solve to the mid-term
business plan.**

Yaskawa Group's Materiality

Create Social Value and Solve Social Issues through Business Activities



Realize revolutionary industrial automation
with our partners through “i³-Mechatronics”



Build clean social infrastructure and foundation for
safe and comfortable living



Develop new technologies and business
domains through open innovations



Strengthen Management Foundation that Contributes to Sustainable



Sustainable and productive manufacturing



Create a rewarding workplace and human
resource development



Fair and transparent governance system



The Risks and Opportunities Identified in the TCFD Scenario Analysis

- The impact of climate change on business was examined.
- In terms of financial impact, opportunities of revenue increase will be greater than risks of revenue decrease.

Business impact on risk and opportunity factors

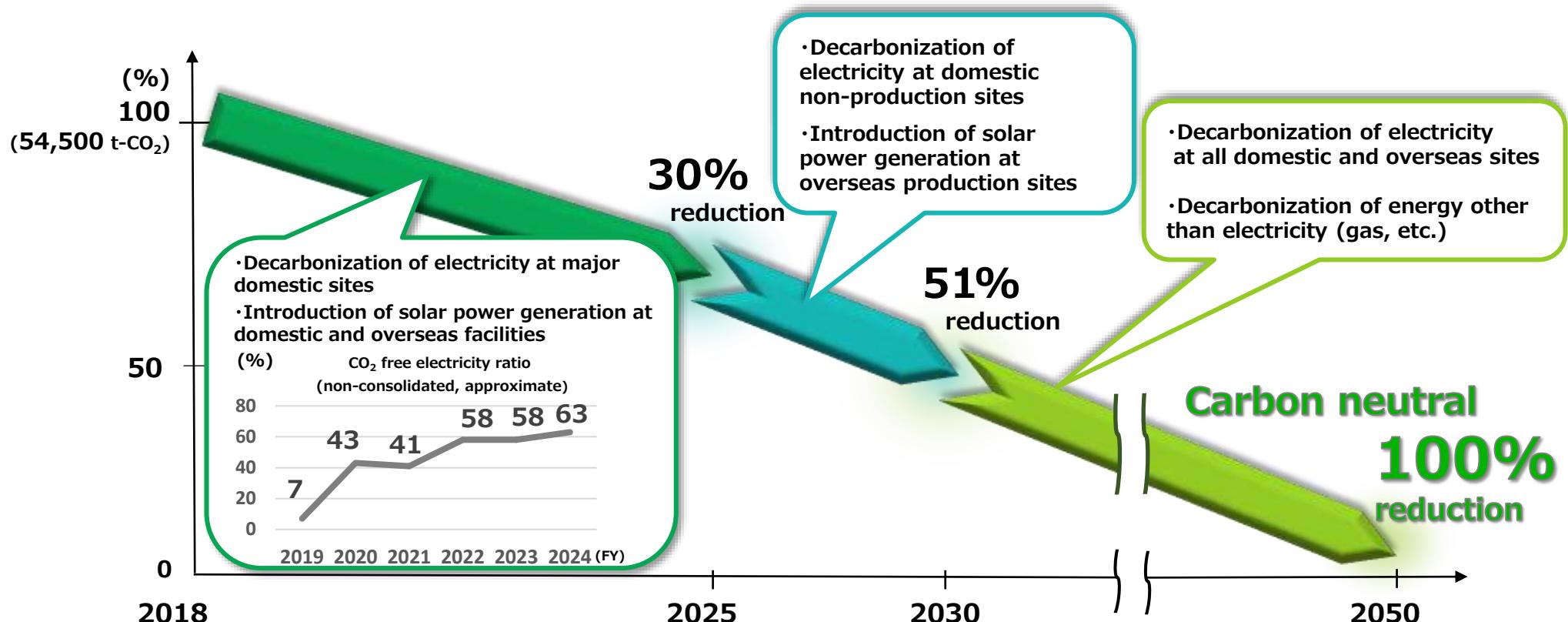
Risk/ Opportunity	Transition/ Physical	Factor	Impact	Evaluation*
Risk	Transition	Carbon price	<ul style="list-style-type: none"> Increased fuel and material procurement costs due to the introduction of carbon taxes by national governments. 	serious
		Government policies on carbon emissions	<ul style="list-style-type: none"> Increased costs (e.g., purchasing clean energy) that accompany the introduction of emissions trading and the strengthening of emissions regulations. 	Moderate
		Transformation to energy savings and carbon reductions	<ul style="list-style-type: none"> Production impacts due to price increases and procurement difficulties for reasons such as insufficient related materials from electrification and the transition to electric vehicles. 	serious
		Recycling regulations	<ul style="list-style-type: none"> Increased costs from using substitute materials, etc., due to regulations such as those on plastics. 	Minor
		Growth of low-carbon technologies	<ul style="list-style-type: none"> Increased investment costs, such as R&D costs, due to increased competition in the energy saving performance of products against a background of increasing demands for energy savings. 	Moderate
		Changing behavior of investors and customers	<ul style="list-style-type: none"> Increased support costs due to investors and customers preferring companies that are more environmentally responsible. Decreased company valuation and loss of business opportunities due to delayed responsiveness to environmental responsibility related to information disclosure and procurement. 	Minor
	Physical	Increasing average temperatures	<ul style="list-style-type: none"> Increased energy costs due to increased air conditioning energy in our factories. Need to move production sites where the risk of flooding exceeds tolerances due to sea rise. 	Moderate
		Intensification of unusual weather	<ul style="list-style-type: none"> Operation stoppages, reductions in production, and additional investment to restore equipment from typhoons, tornadoes, and flooding. 	serious
Opportunity	Transition	Transformation to energy savings and carbon reductions	<ul style="list-style-type: none"> Increased demands for factory automation devices and industrial AC drives due to increased energy saving needs. Expanded business opportunities for solutions that increase the productivity and energy saving performance of factories and equipment. Expanded demand for solar power generators and wind power/geothermal power/biomass power generation equipment due to feed-in tariff incentives and so on. 	Extremely serious
		Changing behavior of investors and customers	<ul style="list-style-type: none"> Increased investor valuation, increased ESG investment, and increased corporate value due to expansion of businesses that contribute to the environment. 	Minor

*Definitions of "minor," "moderate," "serious," and "extremely serious" in valuation

Minor: less than ¥100 million; moderate: ¥100 million to ¥1 billion; serious: over ¥1 billion to ¥10 billion; extremely serious: over ¥10 billion

2050 CARBON NEUTRAL CHALLENGE^{*1} and Prospects for Achievement

- We will achieve net zero CO₂^{*2} emissions from global business activities (Scope 1 + Scope 2^{*3}) in 2050, and reduce the same CO₂ emissions by 51% from 2018 levels by 2030.(Announced in March 2021, revised in May 2022)
- We will actively invest in the environment to achieve this goal.



*1 Yaskawa Group's goal of achieving net-zero CO₂ emissions from its global business activities by 2050.

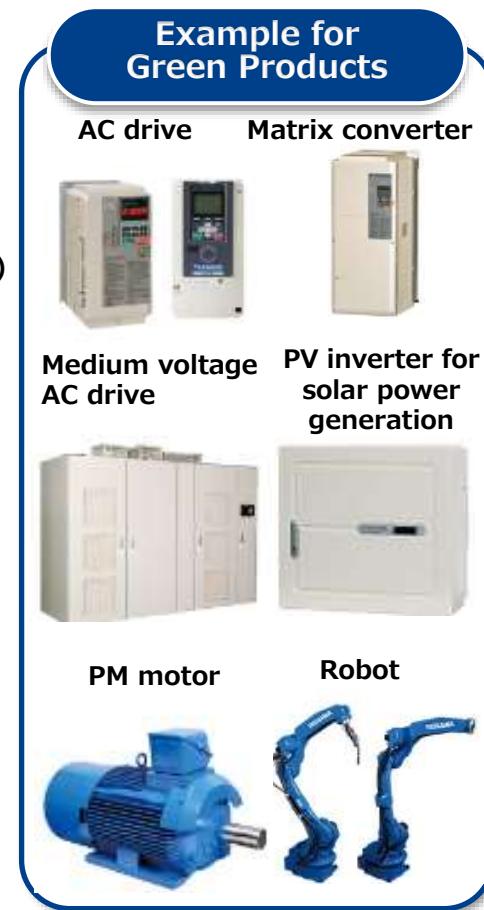
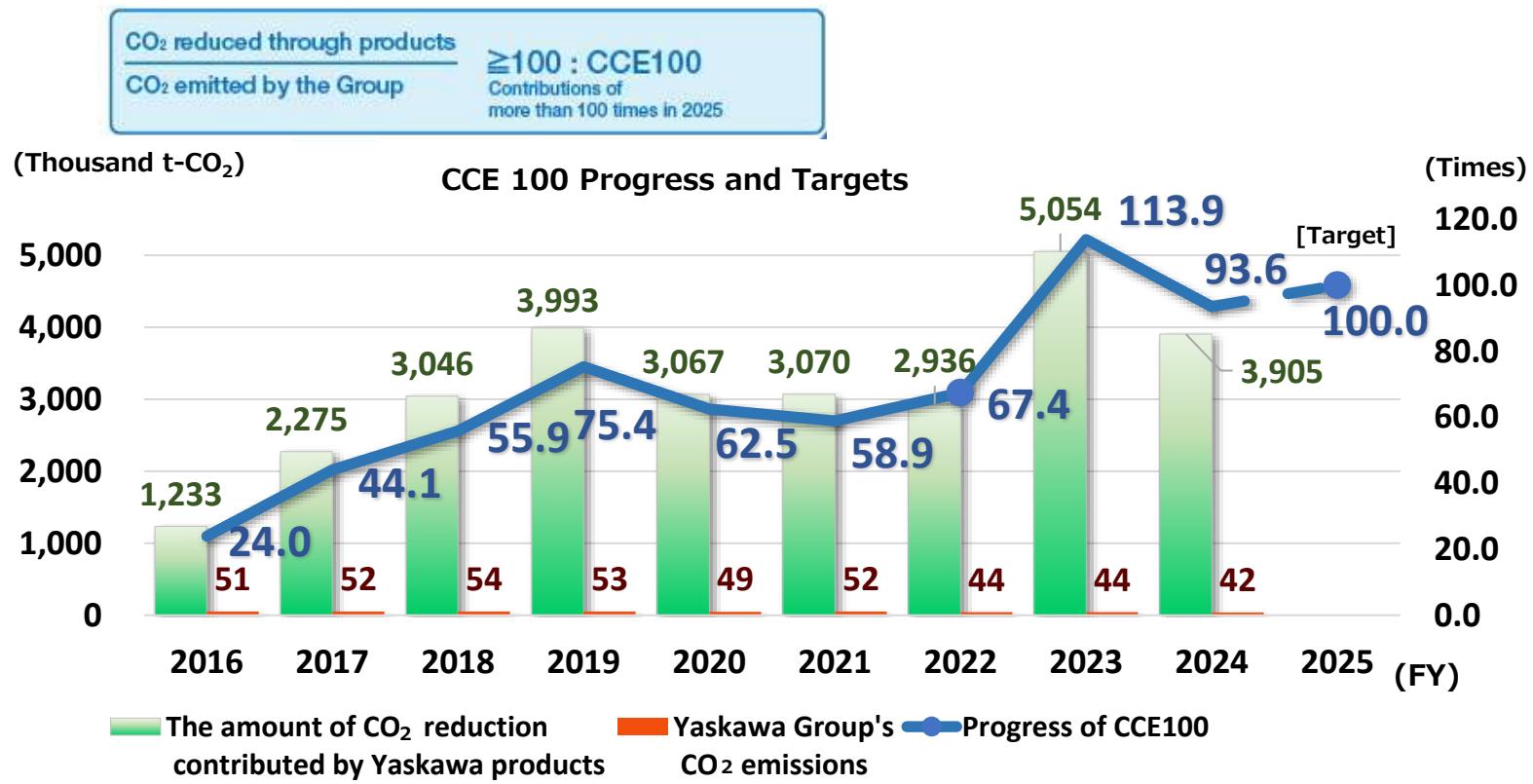
*2 Including carbon dioxide and other greenhouse gases (CFCs, etc.)

*3 Scope 1 is mainly emissions associated with fuel use (direct emissions). Scope 2 refers to emissions associated with the use of purchased electricity and heat (indirect emissions by electric power companies, etc.).

“CCE100” a Unique Environmental Indicator

- Promoting CCE100*, a target to increase the amount of CO₂ reduction contributed by Yaskawa products to 100 times or more of Yaskawa Group's CO₂ emissions by 2025 and achieved this target two years ahead of schedule in FY2023
- Reducing the environmental impact of production activities (Green Processes) and contributing to reducing the environmental impact of customers around the world through Yaskawa products(Green Products)

* Abbreviation of Contribution to Cool Earth 100



Structures of the Board of Directors, the Audit and Supervisory Committee, and Advisory Committees

Yaskawa Electric has adopted a corporate structure with an Audit and Supervisory Committee

Composition of the Board of Directors and Board Skills Matrix

Name	Position	Gender	Attributes	Field of capability that Yaskawa expect each director to demonstrate ¹						
				Corporate management/ Business strategy	ESG/ Sustainability	Finance Accounting	Legal affairs	Sales Marketing	Manufacturing R&D/DX	Global
Hiroshi Ogasawara	Representative Director, Chairman of the Board	♂		○	○			○	○	○
Masahiro Ogawa	Representative Director, President	♂		○	○			○	○	○
Yasuhiko Morikawa	Director, Senior Executive Officer	♂		○	○	○	○			○
Hisanori Makaya	Outside Director	♂	Outside Independent	○	○			○	○	○
Takeshi Ikuyama	Director and Member of the Audit and Supervisory Committee	♂	Audit and Supervisory Committee Member	○	○					○
Kaori Matsuhashi	Outside Director, Member of the Audit and Supervisory Committee	♀	Audit and Supervisory Committee Member Outside Independent	○	○	○				○
Keiji Nishio	Outside Director, Member of the Audit and Supervisory Committee	♂	Audit and Supervisory Committee Member Outside Independent	○	○			○	○	○
Yaeko Hodaka	Outside Director, Member of the Audit and Supervisory Committee	♀	Audit and Supervisory Committee Member Outside Independent	○	○		○			○

♂ : Male ♀ : Female

○ : Chairperson ○ : Member

*Note: The above table does not represent the full knowledge of each director.

Outside

Outside Director as provided in Article 2-15 of the Companies Act

Independent

Designated Independent Director as stipulated by the Tokyo Stock Exchange

4 . The Solution Concept i³-Mechatronics

i³-Mechatronics Concept



Realize revolution of
industrial automation



Realizing Smart Factory

(Use of Robotics and Automation Technology/Use of AI and Big Data)



Variable-type and
variable-quantity
production



Reduced stock
parts and
in-process
products



Reduced
production
lead time



Prevention of
equipment
failure



Elimination of
dependency on
individual skills in
inspection process



Quality
improvement
(Identification of
causes of defects)

i³-Mechatronics

Yaskawa has provided many solutions, such as automation with mechatronics technologies and products like AC servo drives, AC drives, and robots to meet our customer's demand for the higher productivity and higher quality on a daily basis.

We add digital data management to our automation solutions and contribute to solve business issues from the manufacturing field together with our customers by using ***i³-Mechatronics***.



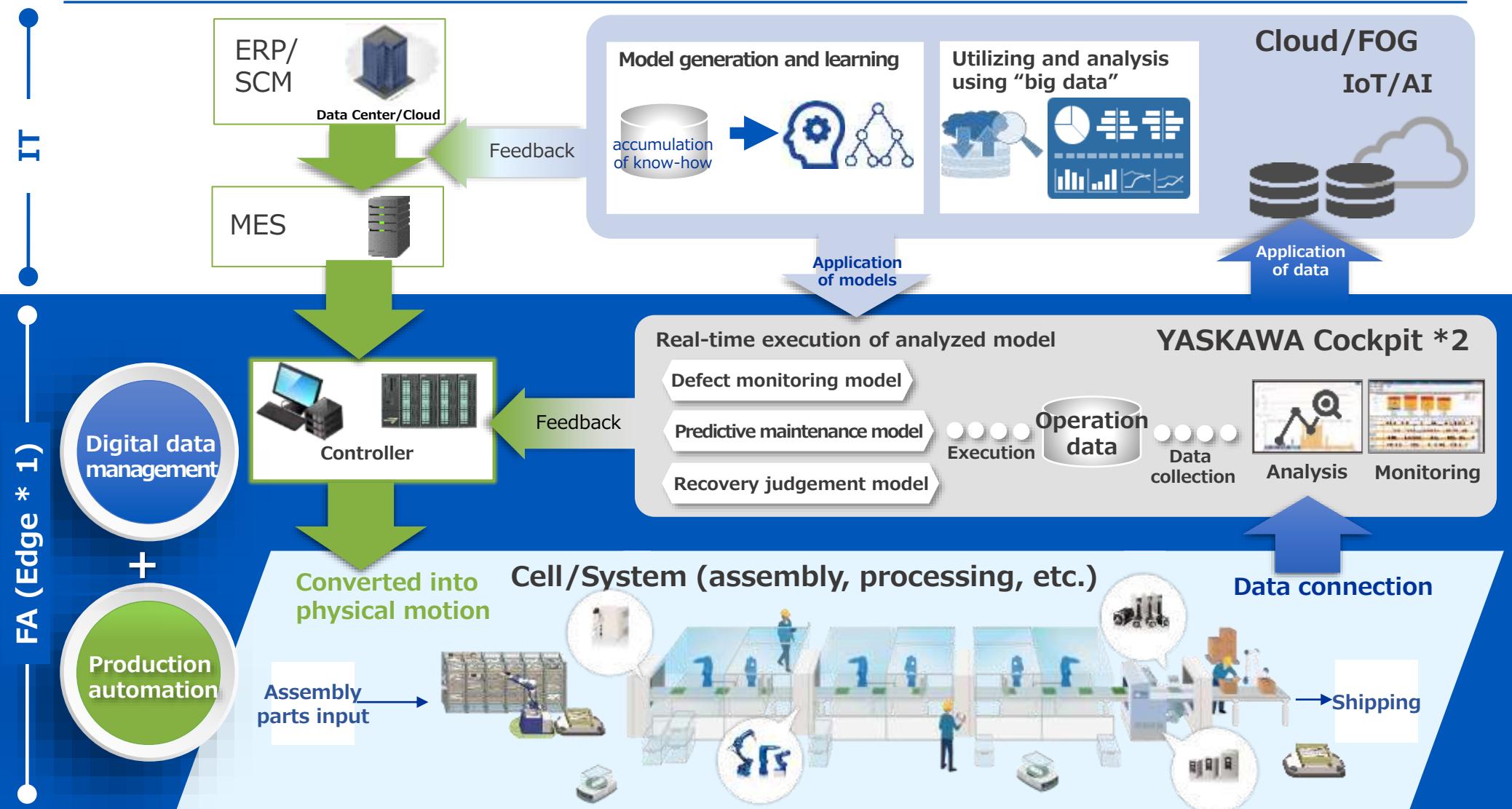
FA Solution

Motion&
Data



Data Solution

Factory where i³-Mechatronics is realized



*1: Edge is an information processing field for data analysis and feedback that require real-time performance at production sites or factories.

*2: Cockpit is a software that able to collect, store, and analyze real-time data on equipment and devices at production sites.

YASKAWA