## YASKAWA

# 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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### February 2023

#### YASKAWA ELECTRIC CORPORATION (TSE6506)

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



## **1. Corporate Profile and Business Overview**

- 2. Long-term Business Plan "Vision 2025", Mid-term Business Plan "Challenge 25 Plus"
- **3. Sustainability**
- 4. Solution Concept "i<sup>3</sup>-Mechatronics"



## **1.** Corporate Profile and Business Overview

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### Yaskawa Principles

### **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**

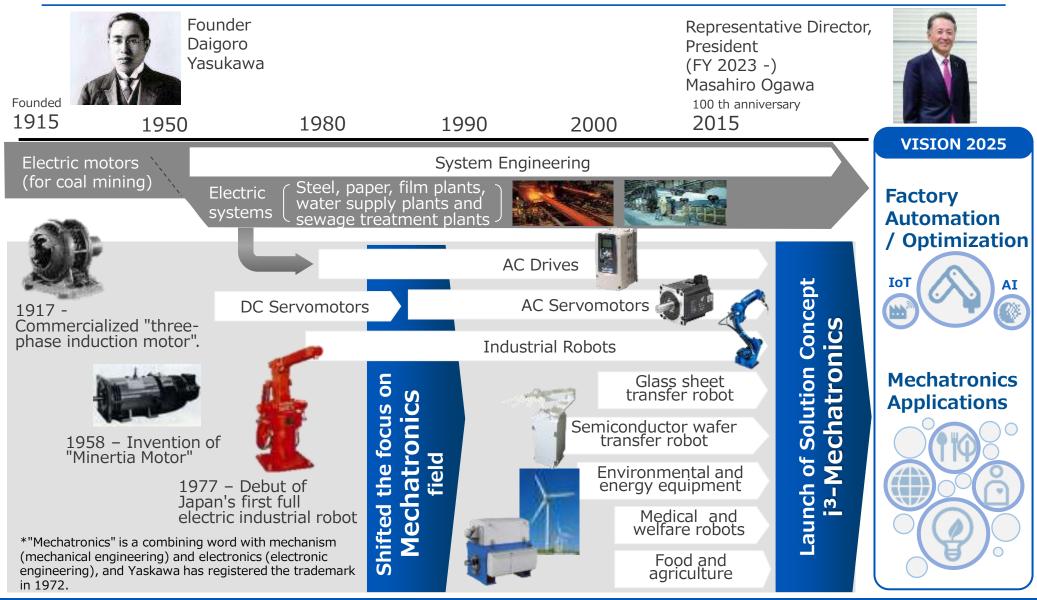
Yaskawa's mission is to contribute broadly to social development and human welfare through the execution of our business. To achieve the mission, our group has set the following three objectives and work hard to achieve them.

- **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

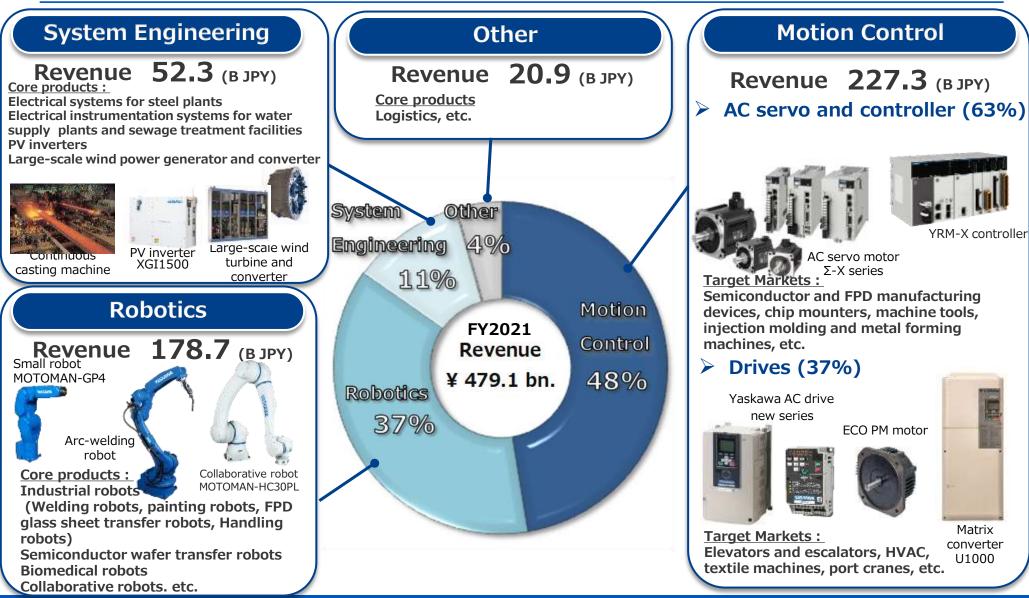
Profile

		*Cor	nsolidated fiscal year from March 1, 2021 to February 28, 2								
	Corporate Name	YASKAWA Electric Corporation		Revenue	479.1 billion yen						
	Founded	July 16, 1915		Main	<ul> <li>Motion Control</li> <li>(AC servos, controllers and AC drives)</li> </ul>						
	Head Office Location	2-1 KurosakiShiroishi, Yahatanishi-ku, Kitakyushu Fukuoka JAPAN		Business	<ul> <li>Robotics</li> <li>System Engineering</li> </ul>						
	Capital	30.6 billion yen	日三日の								
	Number of Employees	Consolidated 12,897	YASKAWA 安川隆田								
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### **Business History**



### Revenue Breakdown by Business Segment

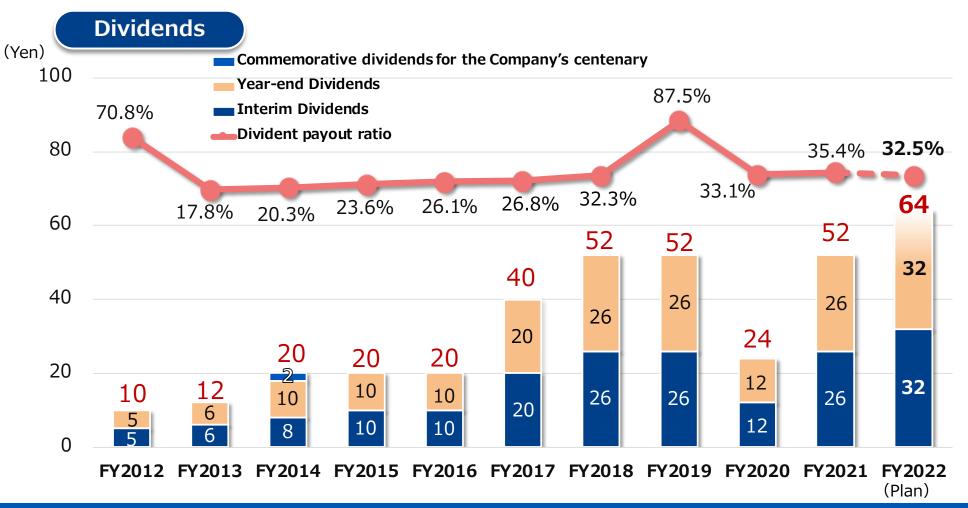


### Revenue / Operating Profit (FY2012 - FY2021)

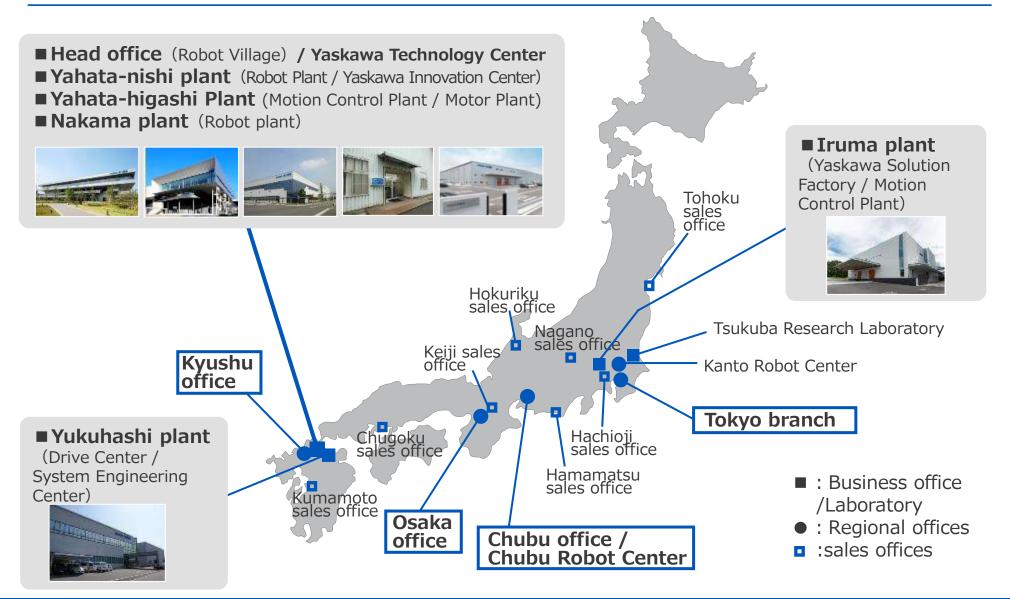


### Shareholder Return (Dividends)

- 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



### Global Network



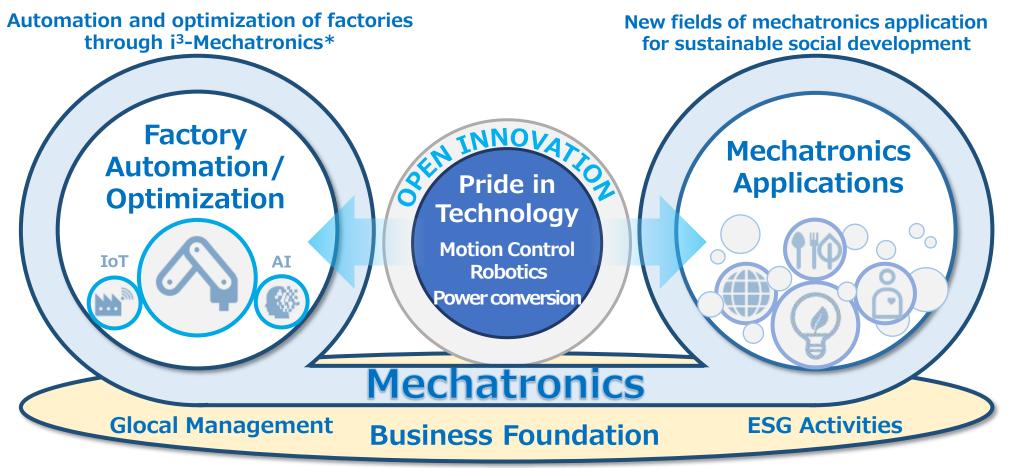


## 2. Long-term Business Plan "Vision 2025" (FY2016-FY2025) Mid-term Business Plan "Challenge 25 Plus" (FY2019-FY2022)

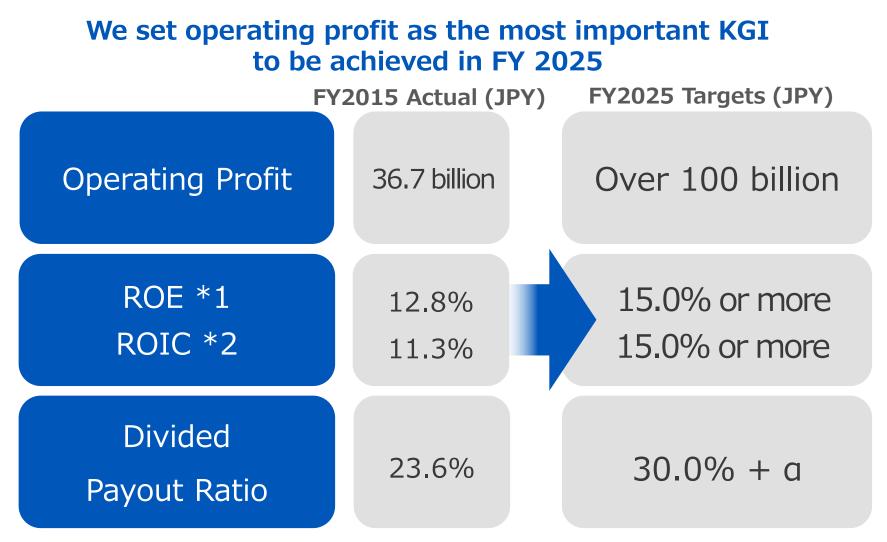
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### Yaskawa's Vision for 2025

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



\* i<sup>3</sup>-Mechatronics: Yaskawa's solution concept for realizing new industrial automation revolutions

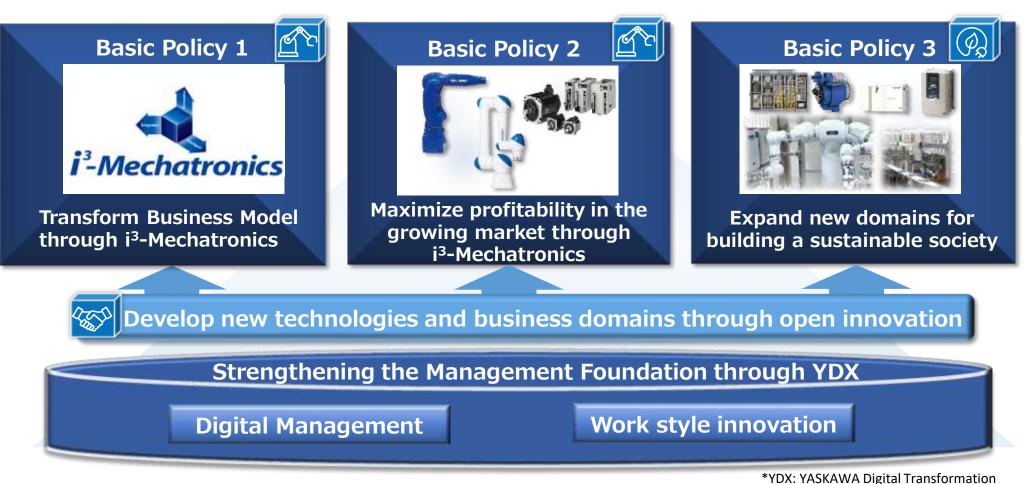


**\*1 ROE:** Return on Equity (return on equity) = Net income attributable to owners of parent/Equity

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

### Basic Policies of "Challenge 25 Plus"

Promote and strengthen businesses that contribute to the development of sustainable society and accelerate improvement of profitability by management efficiency through YDX\*.



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### Basic Policy 1. Transform Business Model through i<sup>3</sup>-Mechatronics

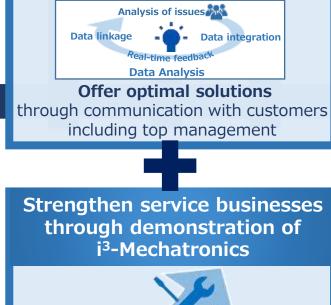
Contribute to solving customers' management issues through cross-business initiatives with evolution of manufacturing, sales and technology



Develop technologies/products to realize i<sup>3</sup>-Mechatronics



Develop technologies and products that accurately meets customer needs timely by integrated development functions Strengthen sales capability to realize i<sup>3</sup>-Mechatronics



**Develop new services** that contribute to improving customers' production efficiency Strengthen manufacturing functions to demonstrate i<sup>3</sup>-Mechatronics



Develop concept of "Yaskawa Solution Factory" that will transform manufacturing and business

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# Basic Policy 2. Maximize Profitability in the Growing Market through i<sup>3</sup>-Mechatronics

### Business expansion by leveraging open innovation in the rapid growing "Robotics" market<sup>\*1</sup>

Strengthen creating market presence in China and Asia, centered on "3C\*2" "New Infrastructure\*3" market
 Promote initiatives with car and parts manufacturers in "Automotive" market
 Strengthen initiatives in the "Semiconductor" production

Strengthen initiatives in the **"Semiconductor"** production equipment market

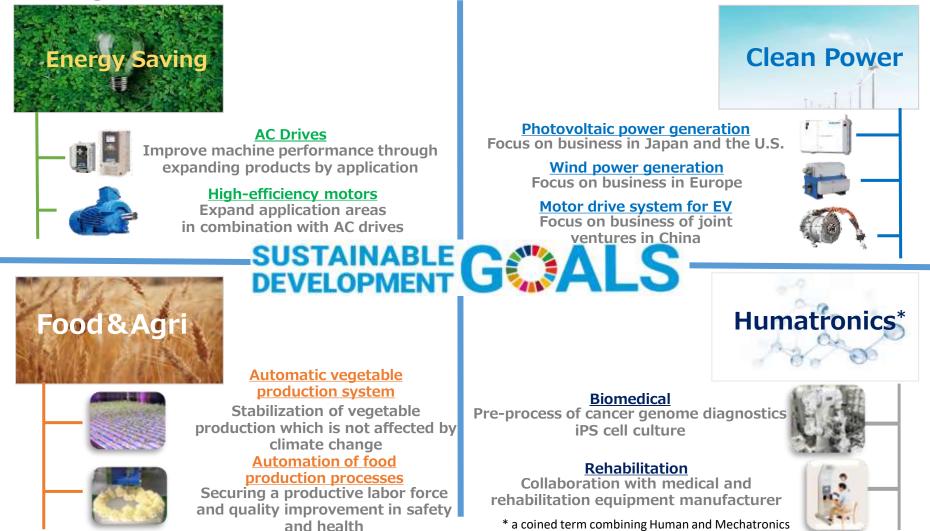
\*1 "Robotics" Market: Automation area including robots

\*2 3C: Abbreviations for consumer and digital communications equipment (from the acronyms Computer, Communication and Consumer Electronics)

\*3 New Infrastructure: Digitization of industries in China, centered on 7 fields which includes the next-generation communications standard "5G", "new-energy vehicles", and "AI."

### Basic Policy 3. Expand New Domains for Building a Sustainable Society

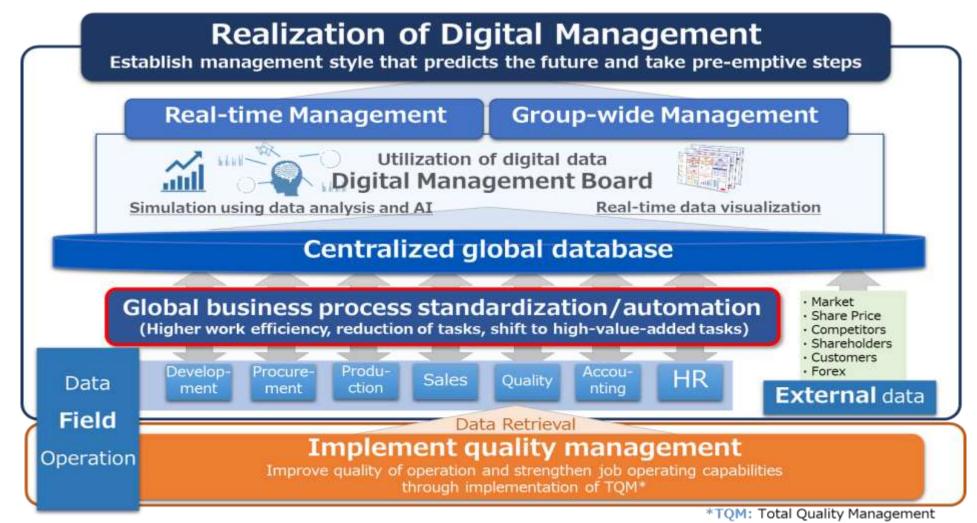
## Contribute to realizing sustainable society through world-class mechatronic technologies



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Improve Management Efficiency through Digital and Quality Management

Strengthen integrated group management globally and expedite management decisions by unifying management data and standardizing business processes



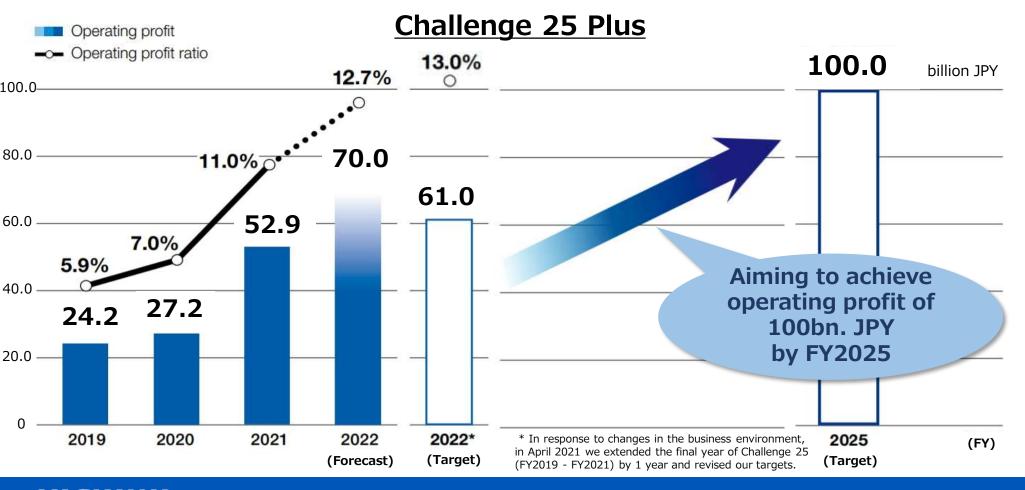
Improve Management Efficiency through YDX

Promote "visualization of data" and "creation of a rewarding workplace" to improve our management structure that is resilient to market changes accelerated by COVID-19



Progress

We will continue to evolve our business through the i<sup>3</sup>-Mechatronics concept, and by contributing to the improvement of added value for our customers, we aim to achieve the goals of our vision by realizing the industrial automation revolution and improving profitability.





## 3. Sustainability

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### 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.

- 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.



#### **Sustainability Promotion System**

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



### Strengthen Management Foundation that Contributes to Sustainable



### The Risks and Opportunities Identified in the TCFD Scenario Analysis

 $\cdot$  The impact of climate change on business was examined.

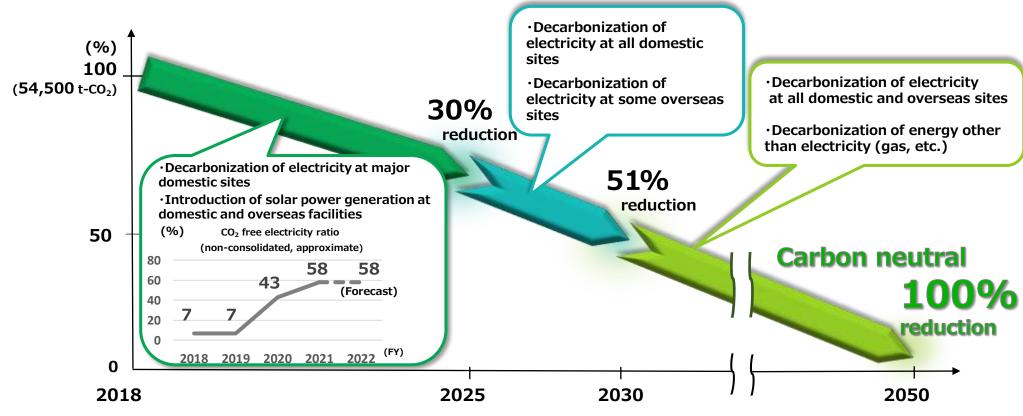
## • In terms of financial impact, opportunities of revenue increase will be greater than risks of revenue decrease.

Business impact on risk and opportunity factors

Risk/ Opportunity	Transition/ Physical	Factor	Impact	Evaluation			
		Carbon price	Increased fuel and material procurement costs due to the introduction of carbon taxes by national governments.	Serious			
		Government policies on carbon emissions					
	ition	Transformation to energy savings and carbon reductions	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			
	Transition	Recycling regulations	Increased costs from using substitute materials, etc., due to regulations such as those on plastics.	Minor			
Risk		Growth of low- carbon technologies	<ul> <li>Increased investment costs, such as R &amp; D costs, due to increased competition in the energy saving performance of products against a background of increasing demands for energy savings.</li> </ul>				
		Changing behavior of investors and customers	<ul> <li>Increased support costs due to investors and customers preferring companies that are more environmentally responsive.</li> <li>Decreased company valuation and loss of business opportunities due to delayed responsiveness to environmental responsibility related to information disclosure and procurement.</li> </ul>	Minor			
	Physical	Increasing average temperatures	<ul> <li>Increased energy costs due increased air conditioning energy in our factories.</li> <li>Need to move production sites where the risk of flooding exceeds tolerances due to sea rise.</li> </ul>	Moderate			
		Intensification of unusual weather	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> <li>Increased demands for factory automation devices and industrial AC drives due to increased energy saving needs.</li> <li>Expanded business opportunities for solutions that increase the productivity and energy saving performance of factories and equipment.</li> <li>Expanded demand for solar power generators and wind power/geothermal power/biomass power generation equipment due to feed-in tariff incentives and so on.</li> <li>Expanded business opportunities for electronics in electric vehicles as the electrification of automobiles progresses.</li> <li>Expanded business opportunities for marine electronics due to increased demands for electric and hybrid ships.</li> </ul>	Serious			
		Changing behavior of investors and customers	<ul> <li>Increased investor valuation, increased ESG investment, and increased corporate value due to expansion of businesses that contribute to the environment.</li> </ul>	Minor			

### 2050 CARBON NEUTRAL CHALLENGE<sup>\*1</sup> and Prospects for Achievement

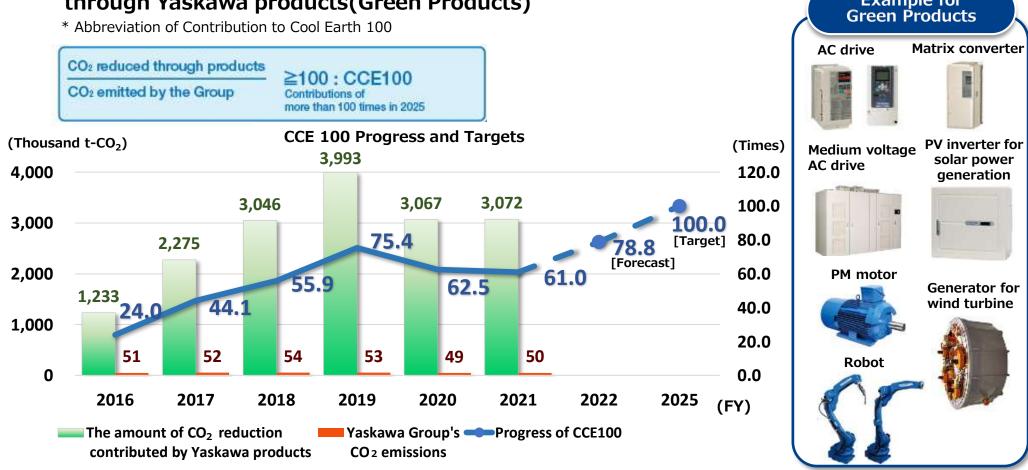
 We will achieve net zero CO<sub>2</sub><sup>\*2</sup> emissions from global business activities (Scope 1 + Scope 2<sup>\*3</sup>) in 2050, and reduce the same CO<sub>2</sub> emissions by 51% from 2018 levels by 2030.(Announced in March 2021, revised in May 2022)
 We will actively invest in the environment to achieve this goal.



- \*1 Yaskawa Group's goal of achieving net-zero  $CO_2$  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  $CO_2$  reduction contributed by Yaskawa products to 100 times or more of Yaskawa Group's  $CO_2$  emissions by 2025
- 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)



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### History of Initiatives to Enhance Corporate Governance

Fiscal Year		FY2012-2014	FY2015-2017	FY2018-2021				
Main measures		<ul> <li><u>FY2012</u></li> <li>Adoption of executive officer system</li> <li>Number of Directors was reduced to 12 from 20</li> <li><u>FY2014</u></li> <li>Compensation Advisory Committee established</li> </ul>	<ul> <li><u>FY2015</u></li> <li>Transition to a company with Audit and Supervisory Committee</li> <li>Nomination Advisory Committee established</li> <li><u>FY2016</u></li> <li>Evaluation of the effectiveness of the Board of Directors commenced</li> </ul>	<ul> <li><u>FY2018</u></li> <li>More than 1/3 of the board of directors are independent outside directors</li> <li><u>FY2019</u></li> <li>Disclosed skill matrix of the board of directors</li> <li><u>FY2020</u></li> <li>Determination of basic policies for executive compensation</li> <li>Established Corporate Governance Policy of Yaskawa</li> <li><u>FY2021</u></li> <li>Established Sustainability Policy</li> </ul>				
Aim an	d purpose	<ul> <li>Faster and more efficient management decisionmaking and execution</li> <li>Ensuring the appropriateness and transparency of executive compensation</li> </ul>	<ul> <li>Strengthening of offensive and defensive governance</li> <li>Ensuring transparency and fairness in nomination of director candidates</li> <li>Improving the functions of the Board of Directors to increase corporate value</li> </ul>	<ul> <li>Improving the independence and objectivity of the Board of Directors</li> <li>Enhancement of information disclosure</li> <li>Contributing to the realization of a sustainable society in addition to improving corporate value</li> </ul>				
Institution establishment		Company with Board of Corporate Auditors	Company with Audi	it and Supervisory Committee				
Composition Internal		6	<b>8</b> *1	8*1				
the Board of Directors	Independent outside (Female)	1	<b>3</b> *1	5 <sup>*1</sup> (1)				
Composition of	Internal	2	2	2				
Audit and Supervisory Committee <sup>*2</sup>	Independent outside (Female)	2	3	4(1)				

Note: The No. of members of the Board of Directors and the Audit and Supervisory Committee are of the latest figure of the corresponding fiscal years on the table. \*Including directors who are members of the Audit and Supervisory Committee. \*2Up to FY2014, data indicated as "Board of Corporate Auditors"

### 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

	Age	Gender		Structure				Field o	Field of capability that Yaskawa expect each director to demonstrate						
Name				Board of Directors	Audit and Supervisory Committee	Nomination Advisory Committee	Remuneration Advisory Committee		Corporate management Management strategy	Corporate governance	Finance Accounting	Legal	Sales Marketing	Manufacturing R & D and IT	
Hiroshi Ogasawara	66	2		0		0	0		•	•	•		•	0	•
Shuji Murakami	63			0			0		•	•	•	•			•
Masahiro Ogawa	57	2		0			0		•	•			•	٠	•
Yoshikatsu Minami	62	2		0						•				0	•
Akira Kumagae	59	2		0					•	•				•	•
Yasuhiko Morikawa	59	2		0					•	•	•	•			•
Yuichiro Kato	52	2	Outside Independent	0		0	0		•	•			•	۰	•
Yuji Nakayama	62	2		0	0				•	•	•				•
Koichi Tsukahata	61	2		0	0				•	•					•
Junko Sasaki	62	2	Outside Independent	0	0	0	0		•	•				•	٠
Hideo Tsukamoto	41	2	Outside Independent	0	0	0	0		۲						0
Toshikazu Koike	66	2	Outside Independent	0	0	0	0		•	•			•		•
Kaori Matsuhashi	52	2	Outside Independent	0	0	0	0			•					۲

© Chairperson OMember

\*Note: The above table does not represent the full knowledge of each director. Age is as of the 106th general meeting of shareholders held on May 26, 2022.



## 4. The Solution Concept i<sup>3</sup>-Mechatronics

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### i<sup>3</sup>-Mechatronics Concept

i<sup>3</sup>-Mechatronics

Integrated

integrated

intelligent

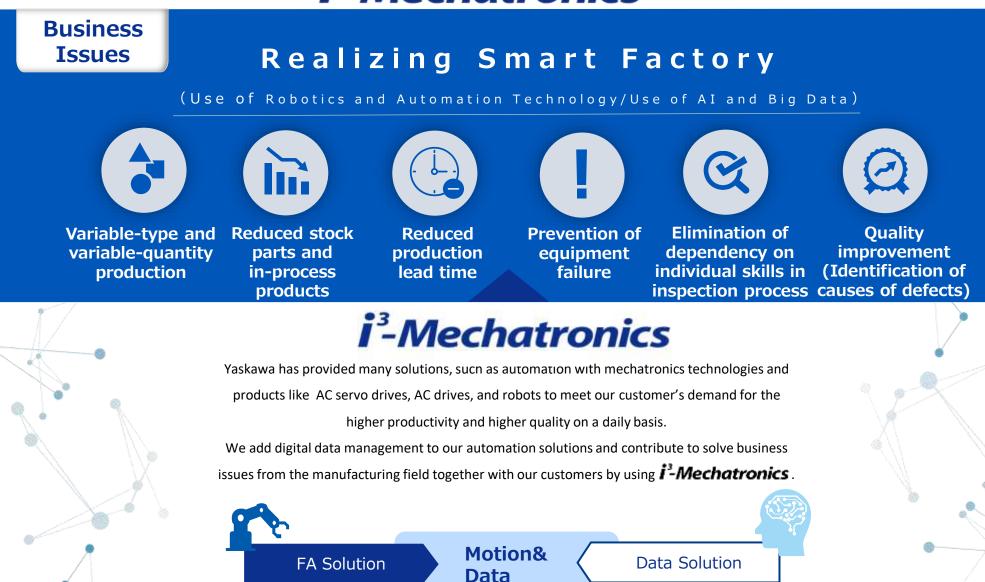
innovative

Advances in Mechatronics though digital data management

Realize revolution of industrial automation

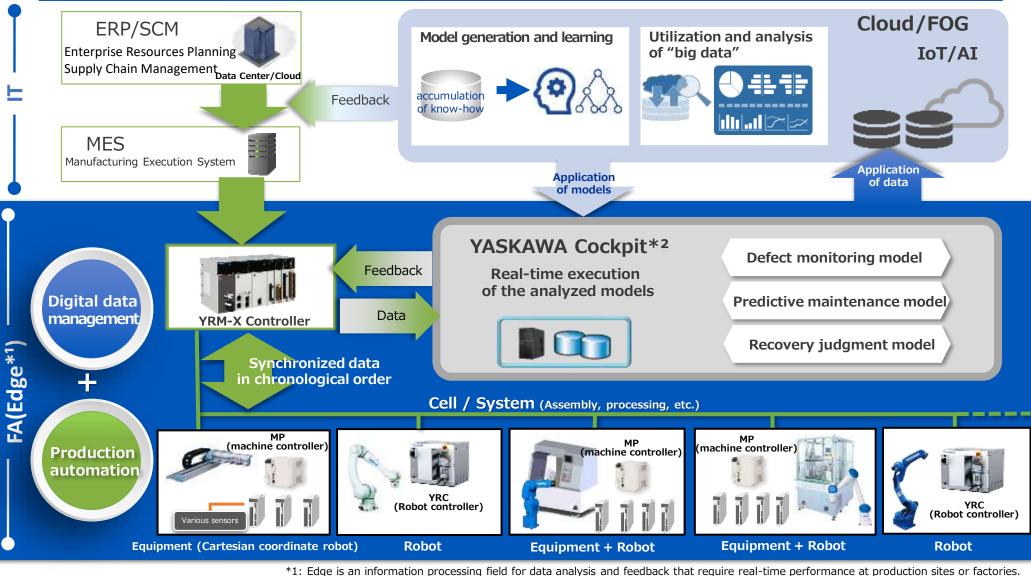
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### Yaskawa's Solution to Solve Customer's Business Issues *i<sup>3</sup>-Mechatronics*



YASKAWA

### Factory where i<sup>3</sup>-Mechatronics is realized



\*1: Edge is an information processing field for data analysis and feedback that require real-time performance at production sites or a \*2: A software that able to collect, store, and analyze real-time data on equipment and devices at production sites.



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