

Second Quarter of the Fiscal Year Ending March 2024

Financial Results Briefing

RYODEN CORPORATION

November 13,2023

TSE Prime Market Securities code: 8084

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1. About RYODEN

RYODEN as Seen in the Data

*FYE2023



1947 Establishment:

28 bases in Japan and 21 Number of business sites:

overseas

1,242 Number of employees:

¥260.3 billion Net sales:

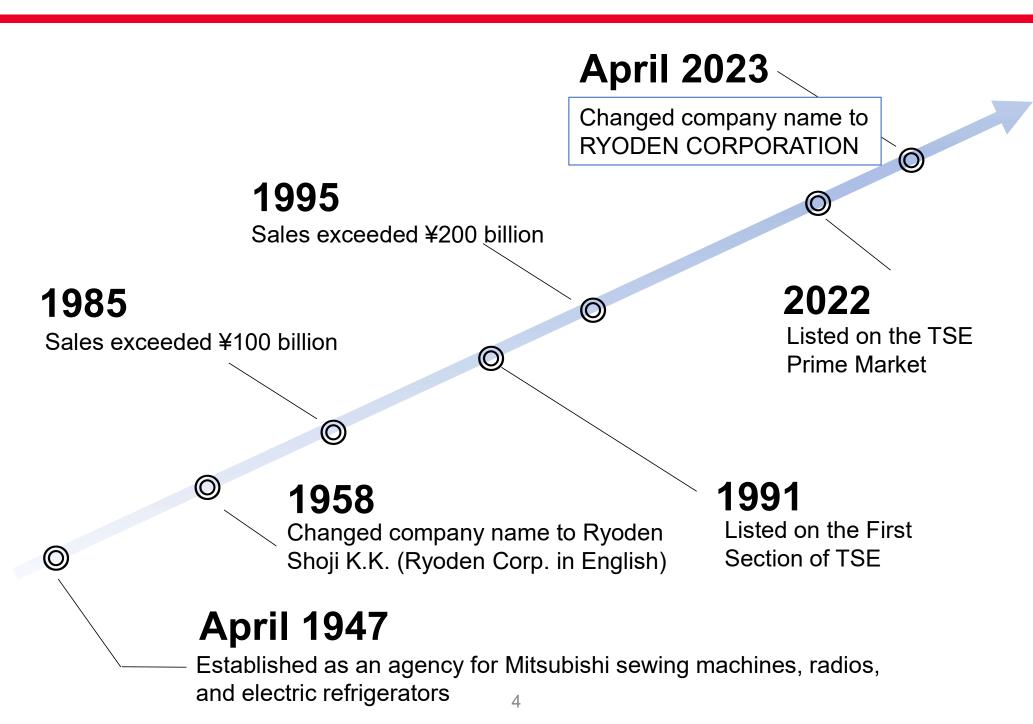
¥5.3 billion **Net income:**

¥151.0 billion **Total assets:**

52.8% Net worth ratio:

History







FA Systems



Collaborative robots of Mitsubishi Electric Corp. (MELFA ASSISTA)



Sequencers of Mitsubishi Electric Corp.



¥46.2 billion

17.8%

¥27,2 billion 10.5%

Net sales ¥260.3 billion

¥181.1 billion 69.5%

X-Tech



¥5.7 billion

2.2%

Next-generation Plant Factory "Block FARM"



Medical information systems (examples)



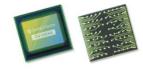
Video camera solutions (FlaRevo)



SiC power modules of Mitsubishi Electric Corp.



Analog semiconductors of Nisshinbo Micro Devices Inc.



CMOS sensor of OMNIVISION



Laser processor of Mitsubishi

Electric Corp.

NEXCUBE

Observation elevators of Mitsubishi

Electric Corp.

Indoor unit of the area air-conditioning system of Kubota Air Conditioner Co., Ltd.

- Electronics

Mitsubishi Electric Corp. packaged air

conditioning systems for equipment

ファシレアDD



2. Summary of Financial Results for the Second Quarter of FYE2024

Summary of Financial Results for the Second Quarter of FYE2024



(Millions of yen)	Results for 2Q of FYE2023	Results for 2Q of FYE2024	Increase/ decrease	Forecasts at the beginning of FYE2024	Revised forecasts for FYE2024
Net sales	127,033	129,843	+2,810	263,000	263,000
Operating profit	4,765	4,236	(528)	7,000	7,300
Ordinary profit	4,714	4,313	(400)	7,000	7,300
Net income	3,170	2,900	(269)	4,800	5,000
			Dividend	¥ 80	¥ 92

(¥46 for interim, ¥46 for year end)

- During 2Q, net sales rose and profits fell compared to in the same period of the previous year, but <u>they</u> <u>exceeded the initial forecasts</u>
- During the term to March 2024, demand for FA systems used in semiconductor production equipment has started to decline, and dark signs have begun to be seen in the demand for electronics in the industrial equipment market, but <u>we have still upwardly revised the forecasts for profits at each level</u> as we continue to strive for higher profitability
- The annual dividend forecast has been <u>revised to 92 yen per share</u> (an increase of 6 yen for both the interim and year-end dividends)

Financial Conditions



(Millions of yen)	FYE2023	2Q of FYE2024	Increase/ decrease
Total assets	151,049	165,742	+14,692
Total liabilities	71,150	82,488	+11,337
Net assets	79,898	83,253	+3,354
Equity ratio (%)	52.8%	50.1%	(2.7)pt
(Millions of yen)	2Q of FYE2023	2Q of FYE2024	Increase/ decrease
Cash flows from operating activities	(3,699)	7,863	+11,562
Cash flows from investing activities	(1,331)	224	+1,555

742

Cash and cash equivalents 8,451

Cash flows from

financing activities

20,012

470

+11,561

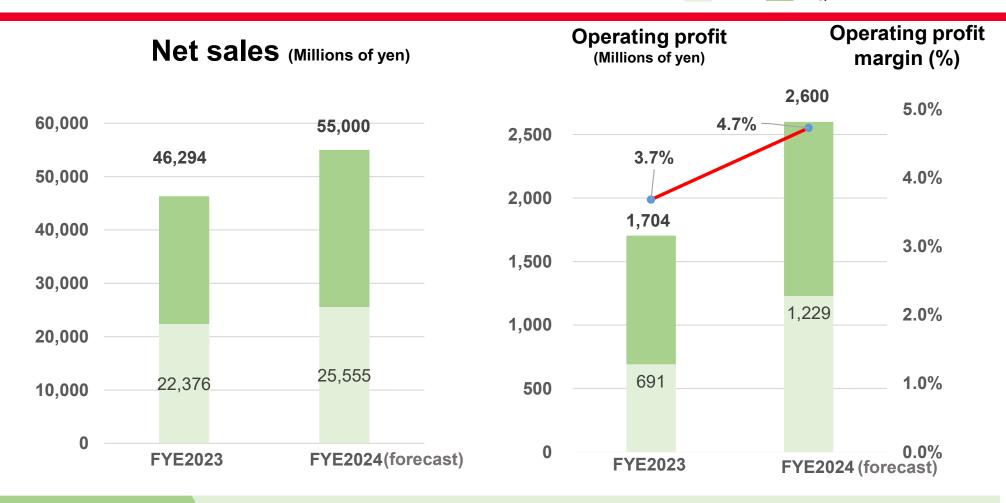
(272)



3. Results and Forecasts by Segment



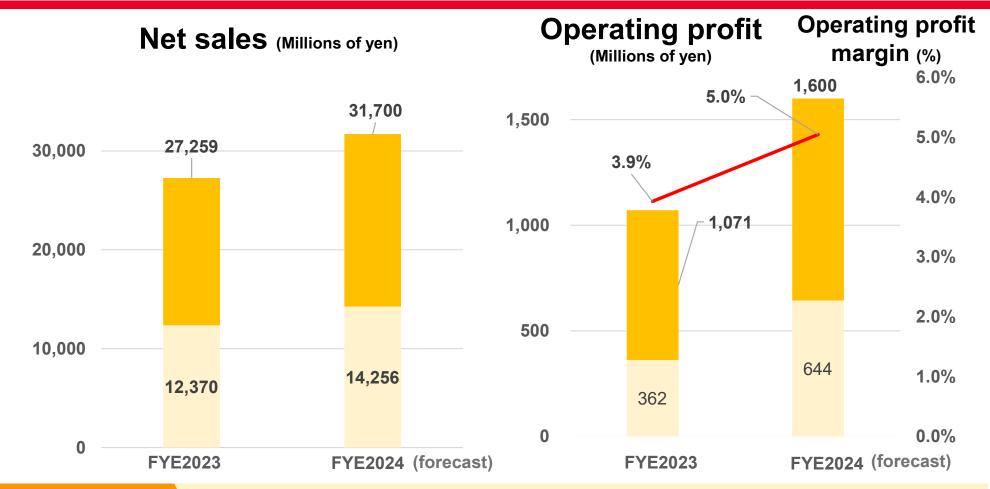




- ◆ 1H: Sales of FA systems for semiconductor production equipment continued to be sluggish, but overall sales continued to be strong, mainly because the supply chain has recovered and we met demand for new capital investments as automobile-related systems shifted to vehicle electrification
- ◆ 2H: It is difficult to predict whether demand for FA systems used in semiconductor production equipment will recover, but partly because backlogs of unfilled orders remain at a high level and the supply chain has recovered, sales are expected to continue to be strong

Cooling & Heating and Building Systems





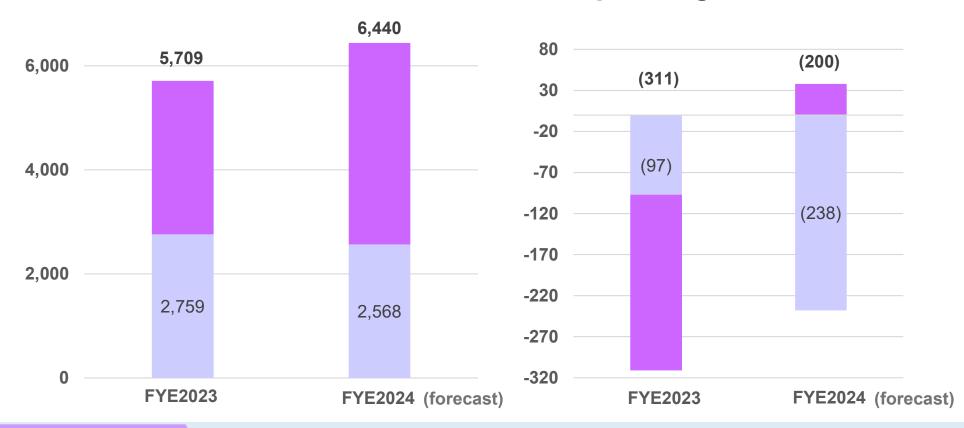
- ◆ 1H: In cooling & heating systems, sales of business-use air-conditioning systems and low-temperature equipment and machinery continued to be strong due to the recovery of capital investment and consumption in the private sector. Building systems, such as elevators and power-source equipment, continued to sell well.
- ◆ 2H: In the air-conditioning market, it is expected that investments in offices, etc., will continue to be strong and that demand will grow due to the restructuring of cold-chain (low-temperature distribution) systems. In the construction market, there continues to be concern about the sharp rises in the prices of materials and the delays in construction periods, but investments of a certain amount will be made.





Net sales (Millions of yen)

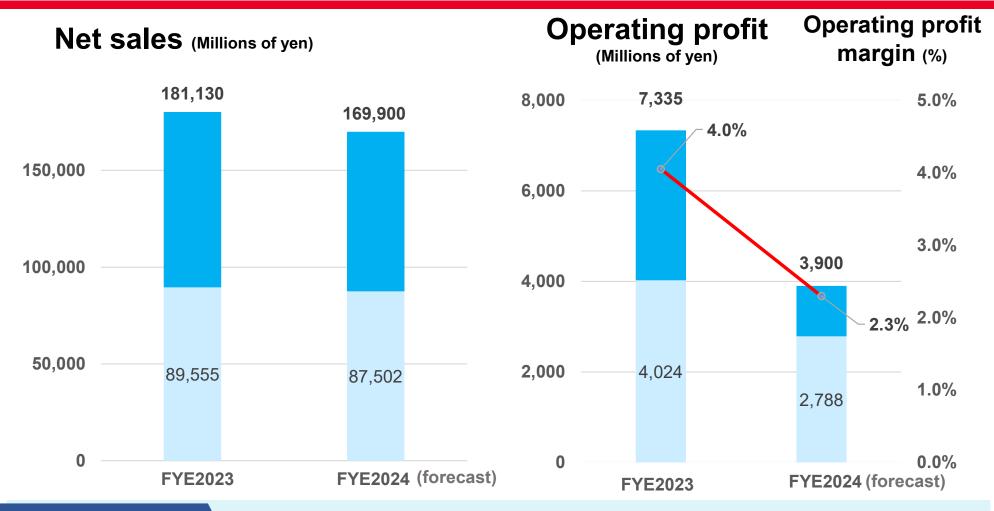
Operating loss (Millions of yen)



- ♦ 1H: In the healthcare segment, sales remained sluggish due to a decrease in capital investment related to medical services. The ICT segment saw sales of the FlaRevo video management system and other products continue to be weak, but sales of IT-related equipment remained strong. Due to the effects of soaring electric charges, smart agriculture sales remained stagnant, but the company established a system that enabled the plant factory to engage in operations such as research and development, production, sales, and branding for its vegetables.
- ◆ 2H: In the healthcare segment, demand for capital investment for DX is projected to be weaker than expected. Investments utilizing ICT, including computerization, quality improvements, and enhanced security mainly in manufacturing, are expected to expand. Customers will continue to curb investments in smart agriculture. We expect that investments will recover in 2025 and thereafter. 12







- 1H: In Japan, sales of products such as SoC and memory chips for infotainment equipment continued to be strong. In the industrial equipment market, sales of power devices and other products continued to be strong. In overseas markets, sales of analog semiconductors, power semiconductors, and memory chips for industrial equipment also continued to be strong.
- ◆ 2H: The market for in-vehicle electronics is expected to continue to be strong, but the future of the industrial equipment market is uncertain because dark signs are starting to be seen for demand.

Summary of Results and Forecasts of FYE2024 by Segment



Net sales (Million of yen)	Results of 2Q of FYE2024	Forecasts of 2H of FYE2024	Forecasts of the whole year of FYE2024
FA System	25,555	29,445	55,000
Cooling & Heating and Building Systems	14,256	17,444	31,700
X-Tech	2,568	3,872	6,440
Electronics	87,502	82,398	169,900
Total*1	129,843	133,157	263,000
Operating profit (Million of yen)	Results of 2Q of FYE2024	Forecasts of 2H of FYE2024	Forecasts of the whole year of FYE2024
			whole year of
(Million of yen)	FYE2024	FYE2024	whole year of FYE2024
(Million of yen) FA System Cooling & Heating and	FYE2024 1,229	FYE2024 1,371	whole year of FYE2024 2,600
(Million of yen) FA System Cooling & Heating and Building Systems	FYE2024 1,229 644	FYE2024 1,371 956	whole year of FYE2024 2,600 1,600

^{*1} Including company-wide expenses



4. Initiatives to Achieve Management Focused on Cost of Capital and Share Price

Medium- to Long-Term Vision



Purpose: Our guide as we move forward

Giving shape to "Waku-Waku (Excitement)" by connecting people and technology

Vision: Our target state in 2050

As a 100-year company, contribute to the realization of an environmentally friendly, safe, secure, and sustainable society

Target state: RYODEN in 2024

Continuously create new value as a business-creating company that exceeds the traditional boundaries of dealerships and trading companies

Medium-Term Management Plan ICHIGAN 2024 (From FYE2021 to FYE2025)



Strategic themes

Promotion of digital transformation (DX)

- Establish business models for growth businesses and create next-generation new businesses
- Improve productivity of mission-critical core businesses
- Strengthen platform for business advancement

Focus areas	Management targets			
	Operating profit	¥10.0 billion or more		
Environment,	Sales from new businesses	¥22.0 billion or more		
safety, security	Gross profit margin for new businesses	18%		
	ROE	8.0%		

Progress with Medium-Term Management Plan



Management indicator	Forecasts for FYE2024	Targets for FYE2025
Operating profit	¥7.3 billion	¥10.0 billion
Operating profit margin	2.8%	3.8%
Sales from new businesses	¥12.3 billion	¥22.0 billion
Gross profit margin for new businesses	14.5%	18.0%
ROE	6.1%	8.0%

[Issues to be addressed]

- ✓ In FYE2024, we forecast a decline in profit due to factors such as the electronics industry entering a correction phase.
- ✓ Seeds for new businesses are steadily emerging, but profit generation from related operations has been slow.

Analysis of Current Market Valuation and Return on Capital



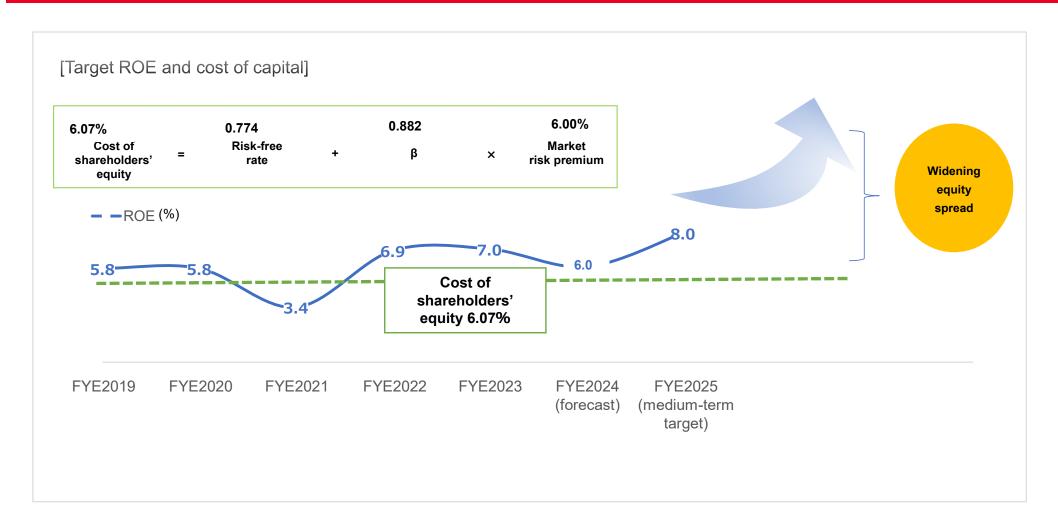


[Issues to be addressed]

- ✓ P/B is trending below 1x.
- ✓ RYODEN's future potential and growth prospects have not been sufficiently communicated to investors.

Analysis of Current Market Valuation and Return on Capital





[Issues to be addressed]

✓ ROE has remained below the target of 8% in recent years.



Strengthen earnings power (1)

Steadily implement growth strategy outlined in medium-term management plan

FA Systems

Use manufacturing digital transformation (DX) as an approach to **provide total solutions** that cover all aspects from processing and assembly to transport and inspection in an integrated manner. In addition, expand sales of integrated surveillance control system (Remces).

Cooling & Heating and Building Systems

Expand business domains by growing the industrial cooling/heating business (including clean rooms and environmental testing equipment) and implementing heat control measures.

X-Tech

- ✓ <u>Establish a unique recurring business</u> (smart agriculture) by providing consulting, engineering, and data services to companies that are considering entering the next-generation agriculture field.
- ✓ Expand sales of Total Pack IT, a package of IT equipment and systems for small and medium-sized medical institutions, and integrated image delivery systems (healthcare) to contribute to DX at such institutions and reduce their management burdens.

Electronics

Strengthen relationships with new business partners such as Omnivision and Allegro. Expand sales of products such as power and analog semiconductors and sensors, **focusing particularly on the electric vehicle (EV) market** where demand is projected to grow.

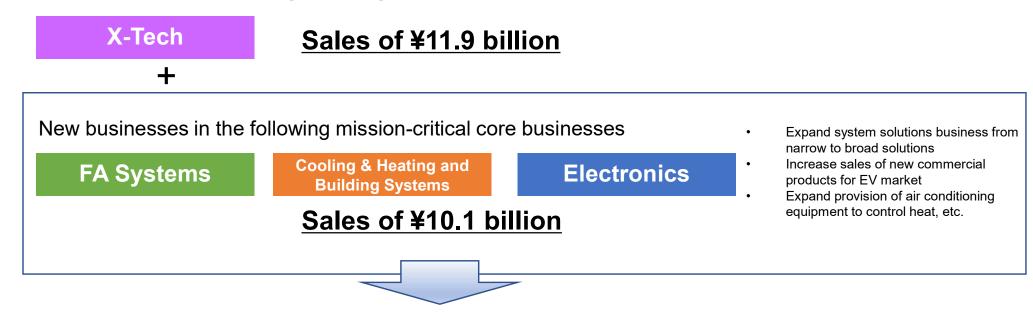


Management targets by segment (Millions of yen				
FA Systems	FYE2023 results	FYE2024 forecasts	FYE2025 targets	
Net sales	46,294	55,000	60,130	
Operating profit	1,704	2,600	2,760	
Cooling & Heating and Building Systems	FYE2023 results	FYE2024 forecasts	FYE2025 targets	
Net sales	27,259	31,710	37,230	
Operating profit	1,071	1,600	2,380	
X-Tech	FYE2023 results	FYE2024 forecasts	FYE2025 targets	
Net sales	5,709	6,440	11,900	
Operating profit	(311)	(200)	1,140	
Electronics	FYE2023 results	FYE2024 forecasts	FYE2025 targets	
Net sales	181,130	169,900	172,340	
Operating profit	7,335	3,900	4,870	



Strengthen earnings power (2)

Expand sales in high-margin new businesses



Target new business sales of **¥22.0** billion in FYE2025

• In addition to the previous investments to create new businesses (such as the establishment of the New Business Promotion Department in 2019 and the construction of the closed plant factory Block FARM in 2022), RYODEN has set a new framework for new business development and investments to start in the second half of FYE2023 (400 million yen annually).

The company will invest mainly to **build an IoT platform, which will provide the foundation for the data recurring business**, and strengthen solutions for image recognition technology.



Strengthen earnings power (3)

Established Strategic Technology Center that oversees technology to support business creation (April 2023). The new center <u>aims to laterally expand existing technologies</u>, and discover and streamline new technologies by concentrating development resources.

Strategic Technology Center Electronics FA Cooling & Heating and Building New businesses Advanced development Lot platform technologies

Business applications

Technologies to integrate and control devices and equipment (field application engineers [FAE])

Foundations

Al, cloud, and communication technologies

Research New technologies

Business exits

Short term 2024

省エネ

Medium term 2026

Long term



Pescle* data management and utilization

Zero-energy building (ZEB) solutions

Predictive maintenance

Predictive maintenance recurring business

Energy conservation recurring

Energy conservation recurring business

Decarbonization recurring business Zeroboard integration

Convenience stores, food, etc.

Optimization of

Data-driven new businesses

Predictive maintenance solutions for equipment (vibration sensor applications)

New device material solutions for advanced driver assistance systems (ADAS) and other applications

Transport-type collaborative robots

Area-based air conditioning solutions

Al-powered image inspections

Manufacturing, food, etc.

Contributions from mission-critical businesses

Labor-saving
Al for plant
factory

Al-powered

Pescle* service

FlaRevo

CO₂ monitoring through wireless technologies, fire prevention

Al-powered predictive maintenance system FlaRevo

Generative AI support for FAE

Paper, food, etc.

Application of basic technologies

Application of new ICT technologies

ChatGPT

Application of generative AI (dramatic improvement in FAE efficiency, etc.)

Application of new technologies

^{*} Harmful animal surveillance service for companies that engage in pest control.



Strengthen shareholder returns

Review of shareholder return policy

"Dividend payout ratio target of 40–60%" added to shareholder return policy

* Maintain and continue stable dividends in the medium and long term

Strengthen IR activities

- We will continue to hold company briefings for individual investors and financial results briefings for institutional investors, led by our President and CEO and officers in charge of IR activities.
- ◆ We will continue to engage in constructive dialogue with shareholders and investors (through IR meetings and other events). In addition to pursuing active dialogue, we will report the opinions and feedback received through such dialogue to our Board of Directors as appropriate, and <u>utilize them in our management strategy review</u> and other areas.
- We will establish a dedicated IR department (August 2023). We will strengthen our IR functions, and actively implement related activities.



As a 100-year company, contribute to the realization of an environmentally friendly, safe, secure, and sustainable society

Achieve P/B of above 1x

Achieve medium-term targets

- Strengthen earnings power
- Strengthen shareholder returns
- Strengthen IR activities



5. Shareholder Returns

Changes in Dividend and Payout Ratio

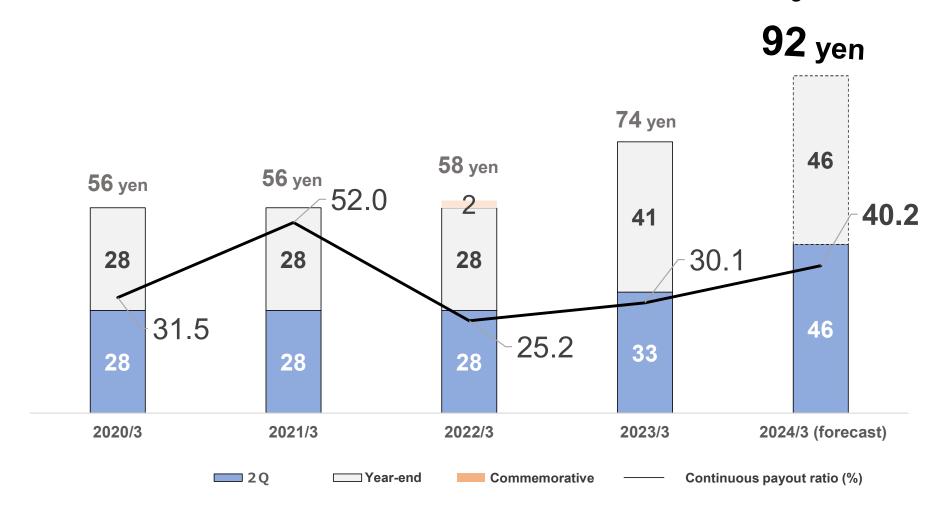


◆ Past: Maintained and continued stable dividends over the medium to long term without

linking them to short-term financial results

◆ Future: Will return profits to shareholders with a payout ratio of 40-60% as the guideline

*Will maintain and continue stable dividends over the medium to long term





6. Presentation of the New Business "Waku-Waku (Excitement)"

Waku-Waku (1): Smart Agriculture Business



- Realizing the addition of high value through high-mix, variable-volume production and branding
- Establishing services for new entrants by accumulating sales and operational know-how

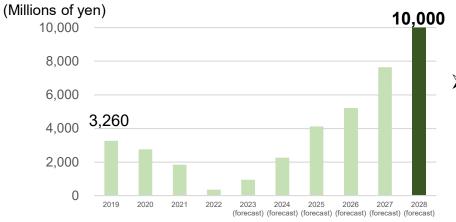
(FYE)





New product developed jointly with House Foods Group Inc.

Over 10% in planned (sales) operating profit



- In FYE2022 and FYE2023, RYODEN stopped accepting new orders and restructured the business by launching its own factory Block FARM and acquiring sales and logistic companies.
- In the future, the company will **contribute to realizing a sustainable society in terms of food supply and agricultural production** by establishing a **data-driven**, **highly profitable agricultural model** and developing new service models.

Waku-Waku (2): Digital Transformation (DX) in Manufacturing



Providing total solutions to realize DX in manufacturing



Further expanding the business domain

Supporting DX at companies that work on pest control* Subscription-type AI services

<u>Aiming to achieve 1 billion yen</u> in sales and <u>over 20%</u> in operating profit in <u>FYE2028</u> (with advancement into overseas markets scheduled for FYE2025)

* Pest control refers to technologies to control the activities of organisms harmful to people at the level at which they do not harm the lives of people Source: Japan Pest Control Association (https://www.pestcontrol.or.jp/)

Market for the extermination of insect pests and noxious animals

FYE2023 ▶ ▶1.5 trillion yen

FYE2028 ▶ ▶Expected to grow to be a market worth 2 trillion yen (by a RYODEN survey)

Offering realizations to customers by proposing FlaRevo and other solutions for visualization

<u>Aiming to achieve 1.5 billion yen</u> in sales and <u>over 20%</u> in operating profit <u>in FYE2028</u> as the company strives for higher profitability



ElaRevo

An integrated monitoring and control system to realize the optimization of production efficiency, energy efficiency, and environmental management by visualizing, analyzing, and controlling data gathered through open protocols

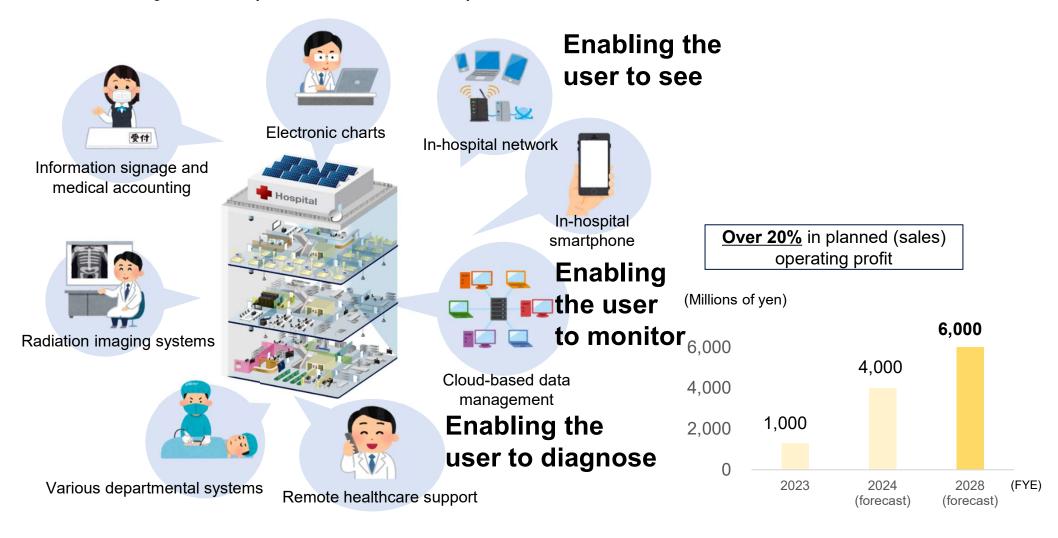
Aiming to achieve 3 billion yen* in sales and over 10% in operating profit in FYE2028 as the company strives for higher profitability

* Including related products whose sales expand alongside the provision of Remces

Waku-Waku (3): Healthcare Business



 Providing in-hospital IT systems in a single package for ten years (Total Pack IT)

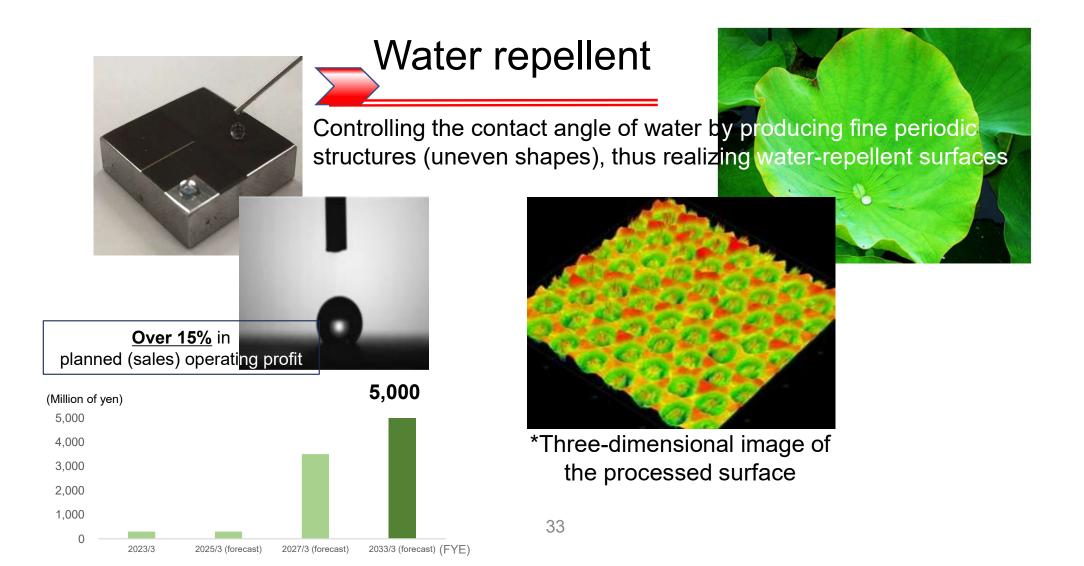


Contributing to reducing hospitals' management burdens by utilizing cloud computing to support hospitals' DX

Waku-Waku (4): Biomimetics



 Using a micromachining laser technology to physically solve problems that were previously solved chemically



Direction RYODEN Will Take in the Future



Aiming to go beyond the framework of a trading firm and becoming a business creation company

Pursuing profitability rather than business scale

Aiming to change the quality of the company rather than to seek differentiation

As a company that contributes to the realization of an environmentally friendly, safe, secure, and sustainable society and continued green development that supports such a society, RYODEN will share the same values with all its stakeholders and fulfill its corporate responsibilities.

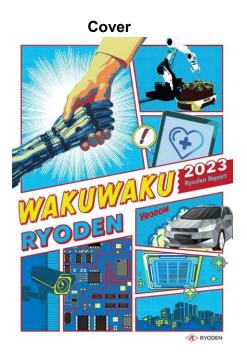
Announcement



■ The integrated report "Ryoden Report 2023" was published in October 2023

Ryoden's purpose is to "Give shape to 'Waku-Waku (Excitement)' by connecting people and technology." With this purpose as its theme, this year's Ryoden Report saw the President, independent outside directors, division heads, persons in charge, and other personnel communicate even more substantial messages to the readers to have them understand the current status of Ryoden, which is in the process of changing to become a business-creation company.

Ryoden entered the contest for the third Nikkei Integrated Report Award.



Top manager's message (page 5-10)



Independent outside directors' message (page 13-18)



^{*} An English version of the report will be published at the end of November

As a 100-year company, the RYODEN Group will contribute to the realization of an environmentally friendly, safe, secure, and sustainable society

This represents a vision of the company RYODEN aims at becoming in 2050 as stated in the medium-term management plan "ICHIGAN2024."



7. Appendix

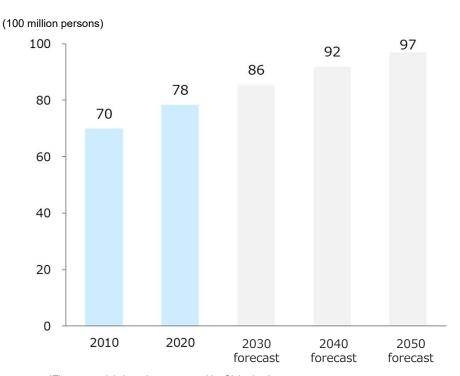
REFERENCE: GROWTH OF GLOBAL FOOD DEMAND

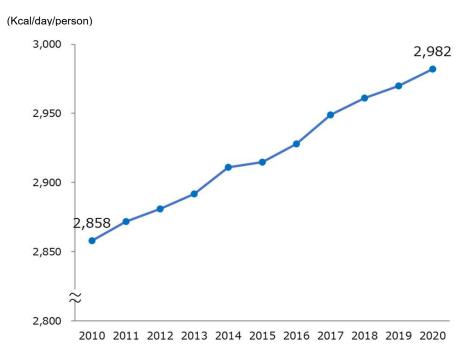
Both the world's population and calorie consumption per person are continuing to grow, and global food demand is expected to increase in the future

Changes in the World's Population

 The world's population is continuing to grow slowly and is expected to be approximately 10 billion in 2050 Changes in Calorie Consumption per Person per Day in the World

 Globally, calorie consumption per person per day is continuing to grow





Source: The left figure has been created using UN's World Population Prospects and the right one has been quoted from FAO's Food Balances (2010-).

^{*}These materials have been prepared by Globe-ing Inc.

REFERENCE: CURRENT STATUS OF THE WORLD'S AGRICULTURE TO CULTIVATE CROPS OUTDOORS

- The area cultivated per person is decreasing and the yield per unit area is increasing, but the rate of growth of yield per unit area is continuing to fall while the number of cases of abnormal weather is increasing.
- The limits of productivity are starting to be seen as the instability of food supplied by cultivating crops outside grows.

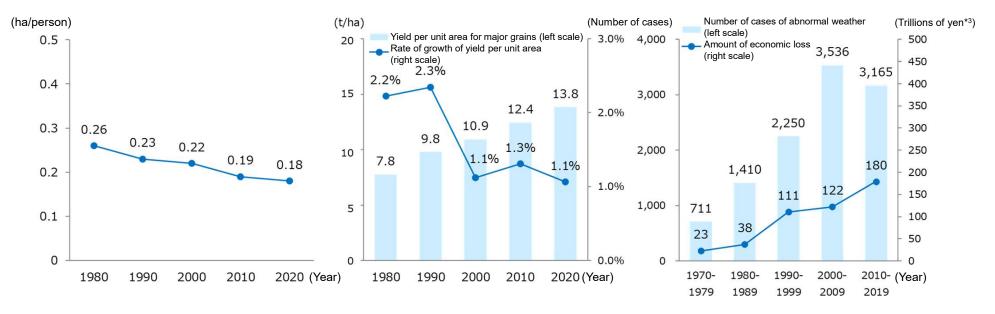
Changes in the Area Cultivated per Person in the World

The area cultivated per person is continuing to decrease

Yield per Unit Area for and the Rate of Growth*1 in Yield per Unit Area for Major Grains in the World

 The yield per unit area is increasing and productivity is improving, but the rate of growth in yield per unit area is continuing to decrease Number of Cases of Abnormal Weather in the World and the Amount of Economic Loss*2

 The number of cases of abnormal weather and the amount of economic loss caused by abnormal weather are continuing to increase



^{*1:} The CAGR of yields per unit area for major grains (rice/wheat/corn) during the past decade has been calculated as a rate of growth in yield per unit area

Source: The left figure has been quoted from the World Bank's <u>Arable land (hectares per person)</u>. The center figure has been created by extracting data on yields per unit area for major grains (rice, wheat, and corn) in the world from Our World in Data's <u>Crop yields, World, 1961 to 2020</u>. The right figure has been created using WMO's <u>WMO ATLAS OF MORTALITY AND ECONOMIC LOSSES FROM</u> WEATHER, CLIMATE AND WATER EXTREMES (1970–2019).

^{*2:} The number of droughts, abnormal temperatures, floods, landslides, storms, and forest fires that occurred in the world and the amount of economic loss caused thereby

^{*3:} One dollar is converted to 130 yen

Reference: Current Status of Vegetable Agriculture in Japan



- The number of vegetable farmers in Japan is continuing to decrease, and alongside this trend, the area planted is also decreasing.
- Furthermore, while the ageing of the farming population is becoming increasingly serious, the number of persons newly engaged in agriculture is not increasing, so it is expected that the volume of vegetables produced in Japan will decline in the future.

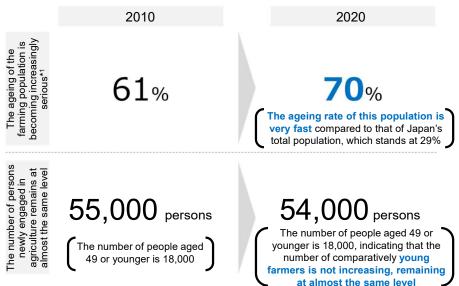
Decrease in the Ability to Supply Vegetables in Japan

 The number of farmers who produce vegetables and the area planted for vegetables are continuing to decrease, indicating that the ability to supply vegetables is declining

2010 2020 Decrease in the number of farmers who produce vegetables 270,000 430,000 households While the CAGR of the total population from 2010 to 2020 was ▲0.2%, the CAGR of the households number of farmers was ▲4.5%, which means that the number of farmers ecreased faster than the total population. Decrease in the area planted for vegetables 430,000 ha 390,000 ha 128 million persons 126 million persons

The Ageing of Farmers in Japan and the Lack of Successors

 While the ageing of the farming population is becoming increasingly serious, the number of persons newly engaged in agriculture is not growing, and there is the concern that the ability to supply vegetables will further decline in the future



It is inferred that the need for sustainable food production systems is growing in Japan and abroad

Source: Data on the total population have been quoted from the Ministry of Internal Affairs and Communications' <u>Summary of the Results of Population Estimates</u> (as of October 1, 2021). Data on the number of farmers who produce vegetables, the area planted, and the ageing of the farming population have been quoted from the Ministry of Agriculture, Forestry' and Fisheries' <u>World Agriculture and Forestry Census 2010</u> and Agriculture and Forestry Census 2020.

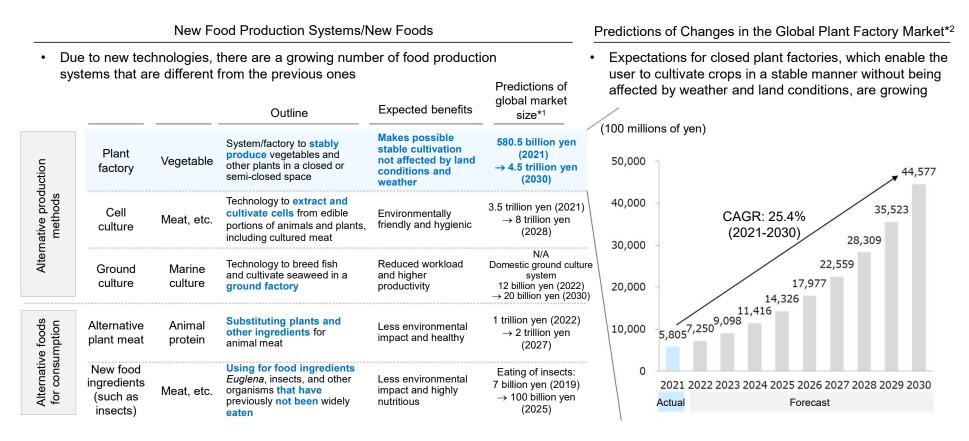
Data on the number of persons newly engaged in agriculture have been quoted from the Ministry of Agriculture, Forestry and Fisheries' Survey of Persons Newly Engaged in Agriculture.

^{*1:} The percentage of key persons engaged in agriculture (15-year-old or older members of a household who are independently engaged in agriculture on a daily basis) who are aged 65 or older has been counted

REFERENCE: EXPECTATIONS FOR PLANT FACTORIES



 There are expectations for plant factories as one of the food production systems whose necessity is growing globally.



^{*1:} One dollar has been converted to 135 yen *2: The market size is the total of sales of crops from factories and containers and those of hardware (such as lighting and sensors)

Source: Information on plant factories has been quoted from the materials provided by XXX which are entitled "The Current Status of the Plant Factory Industry and the Effects of Changes in the External Environment on Business Administration."

Information on predictions of the size of the global market has been quoted from Global Information's Press Release (October 27, 2022) for cell culture, Minato Daily's Article (October 19, 2022) for ground culture, Jacom's Article (August 23, 2022) for alternative plant meat, and JMA Research Institute's Press Release (December 21, 2020) for insect eating.

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Note

The earnings forecasts and other forward-looking statements included in this presentation are based on information currently available to the Company and on certain assumptions deemed to be reasonable. Actual financial results, etc., may differ significantly from these statements due to various factors. Key such factors include:

- Rapid changes in economic conditions in major markets (such as Japan and other countries in Asia),
 consumption trends, and the supply of and demand for products
- Significant fluctuations in the exchange rate of the yen against the U.S. dollar and other currencies
- Sharp volatility in the capital markets, etc.