

Fiscal Year Ended March 2022

Financial Results Briefing

May 20, 2022

Ryoden Corporation





On April 22, 2022, Ryoden Corporation celebrated the 75th anniversary of its foundation



- **1. Overview of the RYODEN Group**
- 2. Financial Results and Financial Conditions
- 3. Future Management Strategy

1. Overview of the RYODEN Group

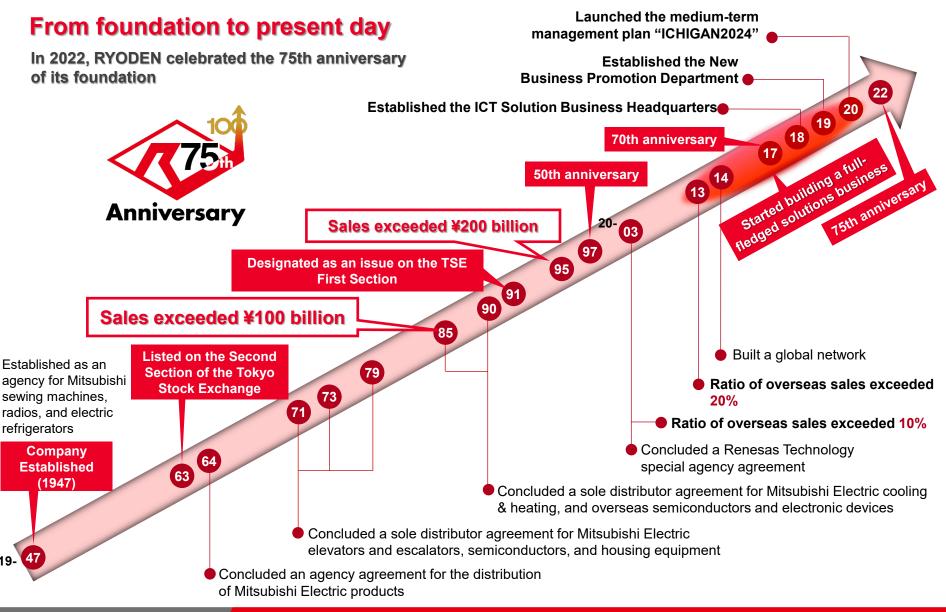
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Trade name	Ryoden Corporation		
Establishment	April 22, 1947		
Head office	3-15-15, Higashi Ikebukuro, Toshima-ku, Tokyo		
Capital	¥10,334,298,875 (As of April 1, 2022)		
Stock	Listed on the Tokyo Stock Exchange Prime Market <code: 8084=""></code:>		
Representative	Director of Board, President & CEO Nobuo Shogaki		
Number of employees	Consolidated: 1,214 Non-consolidated: 1,016 (Both as of the end of March 2022)		
Net sales	Consolidated: ¥229.1 billion Non-consolidated: ¥201.9 billion (Both for the term ended March 2022)		
Associated companies	Subsidiaries: 18 (10 consolidated + 8 unconsolidated) Affiliates: 2 (to which the equity method is applied) Other associated companies: 1 (Mitsubishi Electric Corporation)		

History of the RYODEN Group







*To be determined after a proposed resolution is passed at the General Meeting of Shareholders held on June 23, 2022

In April 2023, the company name will be changed to:

RYODEN CORPORATION

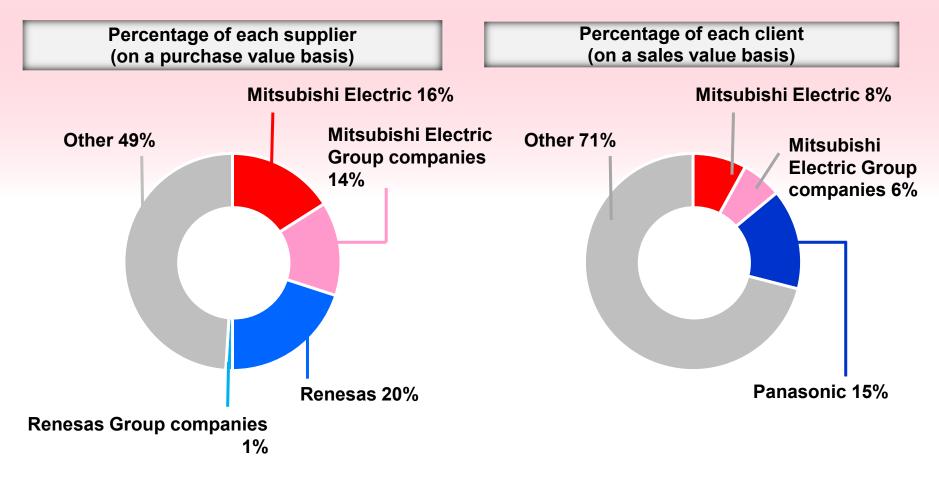
From a trading firm to a company that contributes to realization of a sustainable society

Each and every one of the employees will create new value
 RYODEN will evolve into a global corporation full of vitality

Suppliers and Clients



Mitsubishi Electric- and Renesas-affiliated companies hold a comparatively large trading share among suppliers, and Mitsubishi Electric- and Panasonic-affiliated companies do so among clients, but others account for the majority of both suppliers and clients.



Global Business Development

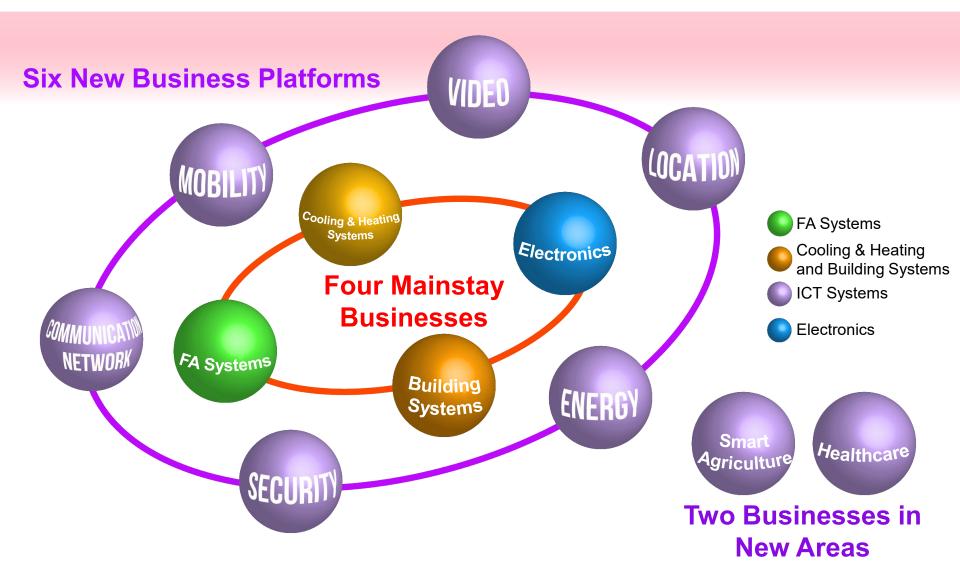


RYODEN whose global business consists mainly of overseas subsidiaries established in 11 countries and territories has a total of 19 bases, including branch offices. RYODEN has built a global business system by unifying strategy with regional markets in mind and establishing close cooperation among its networks.



RYODEN's Wide Range of Business Domains



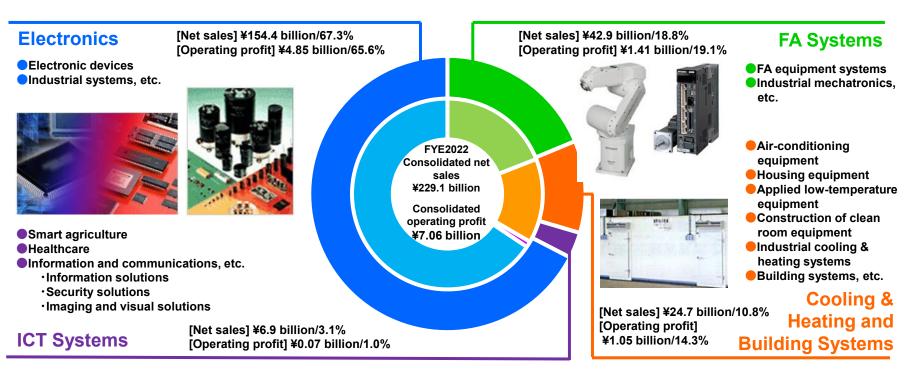


Details of Business by Segment



Purchasing and selling FA system products, cooling & heating and building system products, ICT system products, and electronic products and providing services incidental to each business

Sales (outer circle) and operating profit (inner circle) by segment



*For sales, any fractional sum of less than ¥100 million is disregarded, and for operating profit, any fractional sum of less than ¥10 million is disregarded. *Percentages indicate the component ratio of each segment.

2. Financial Results and Financial Conditions

— Overview of financial results for the fiscal year ended March 2022 —

Highlights of Financial Results (Consolidated)







[Market trends]

- Continuous recovery from the decline due to the COVID-19 pandemic
- Disruption of supply chains, shortages of supply of semiconductors, and sharp rises in energy prices
- Demand for electronic components for in-vehicle and industrial equipment remained high, continuing to keep the supply-demand relationship for components and materials tight, while demand for machine tools for electric vehicles and semiconductor-related equipment continued to remain high



[Situation of RYODEN]

RYODEN entered the second year in its Medium-term Management Plan "ICHIGAN2024," focusing on creating value as a business creation company

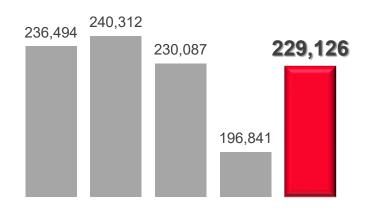


	FYE2021 (Millions of yen)	FYE2022 (Millions of yen)	Year-on-year change (%)
Net sales	196,841	229,126	16.4
Gross profit	21,843	26,147	19.7
Operating profit	3,415	7,062	106.7
Ordinary profit	3,653	7,285	99.4
Profit attributable to owners of parent	2,343	5,004	113.6

Changes in the Most Recent Five Years [In millions of yen]

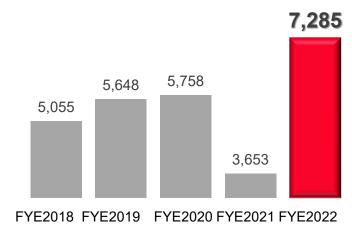


Consolidated net sales

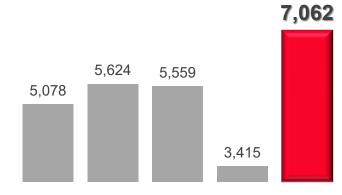


FYE2018 FYE2019 FYE2020 FYE2021 FYE2022

Consolidated ordinary profit

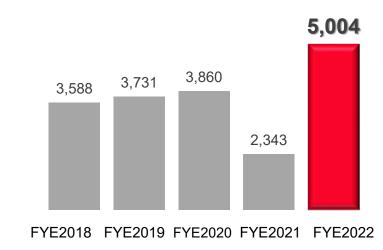


Consolidated operating profit



FYE2018 FYE2019 FYE2020 FYE2021 FYE2022

Profit attributable to owners of parent

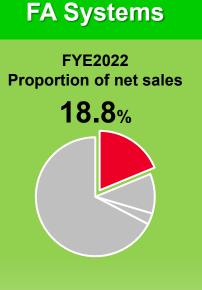


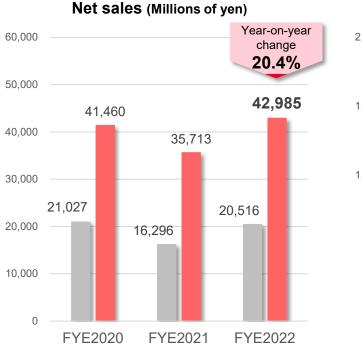
Be a 未来-Creator as Your Partner

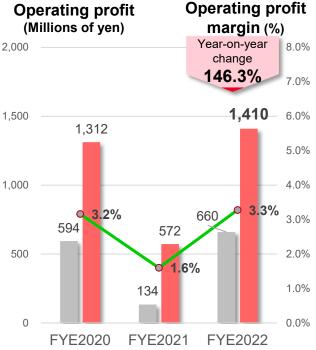
Trends in Financial Results by Segment 1/4



2Q Whole year — Profit ratio







Main points

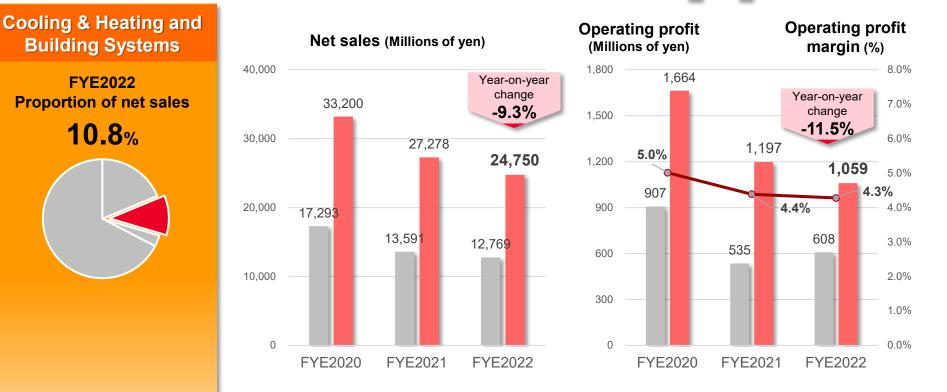
Some of the systems handled were in short supply, but there were signs that capital investment projects for the manufacturing industry in Japan recovered.

Sales of FA systems for semiconductor production equipment and machine tools continued to be brisk.

Trends in Financial Results by Segment 2/4



Whole year - Profit ratio 2Q



Main points

FYE2022

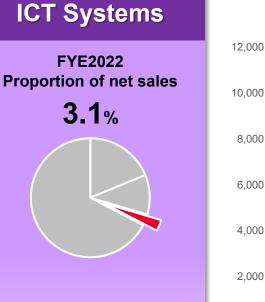
10.8%

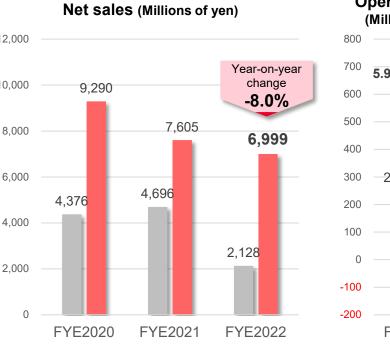
- Strong sales of systems that met ventilation- and intense heat-related demand and those in the refrigeration and freezing areas underpinned the segment's performance.
- The overall financial results continued to be weak, affected by the delayed delivery of major products handled by RYODEN and the postponement and cancellation of new projects due to shortages of supply of components and materials.

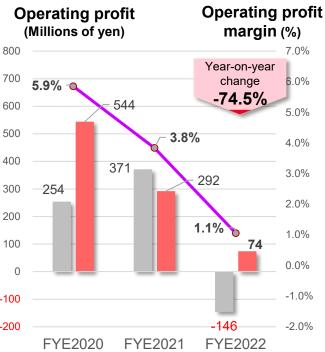
Trends in Financial Results by Segment 3/4



2Q Whole year — Profit ratio







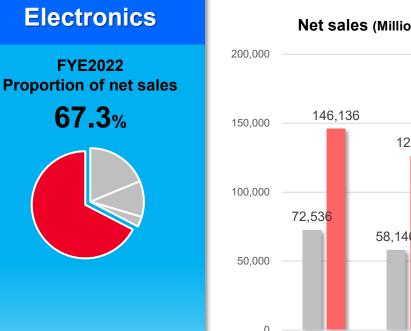
- In the healthcare sector, sales of products related to COVID-19 and business related to in-hospital IT equipment continued to be strong.
 - Smart agriculture continued to be weak because the Company focused on constructing its own plant factory in an effort to shift its business model to production.
 - Network systems saw new orders for monitoring and other factory management systems continue to be sluggish.

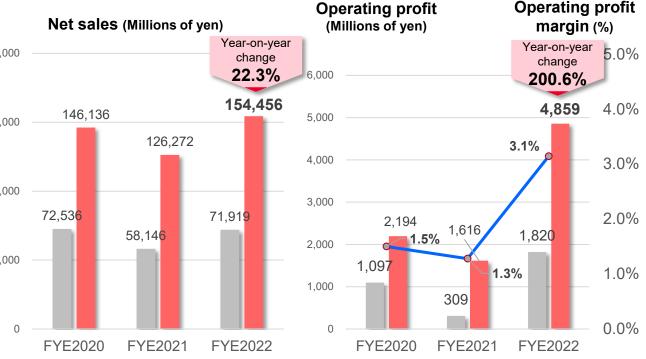
Main points

Trends in Financial Results by Segment 4/4



2Q Whole year - Profit ratio





[Japan]

Main points

Sales of products for "infortainment equipment" such as car navigation systems continued to be strong.

As demand for semiconductors grew, sales of industrial equipment-related products for semiconductor production equipment and machine tools continued to be brisk.

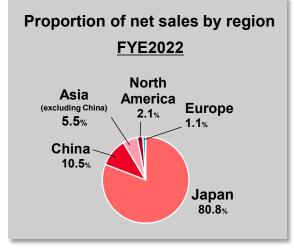
[Overseas subsidiaries]

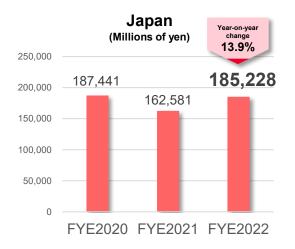
Sales of electronics for industrial equipment-related products in China and in-vehicle equipment in Europe and North America continued to be strong.

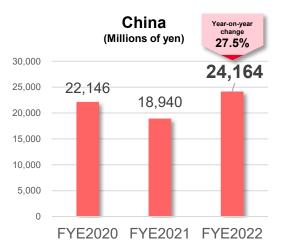
Changes in Sales by Region

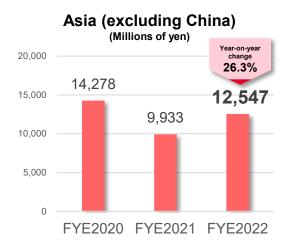


Whole year





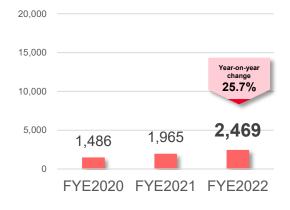




North America (Millions of yen)



Europe (Millions of yen)

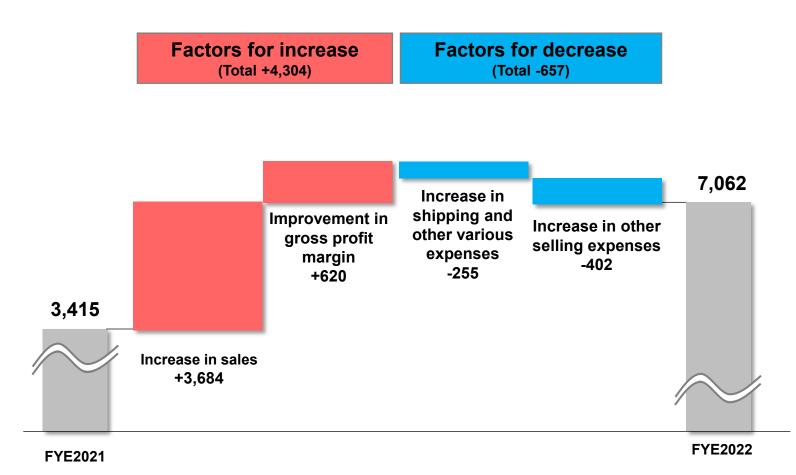


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Factors for Increase/Decrease in Operating Profit



(In millions of yen)





[Financial conditions]

	As of March 31, 2021 (Millions of yen)	As of March 31, 2022 (Millions of yen)	Increase/decrease
Total assets	125,529	140,970	¥15,441 million
Total liabilities	55,609	66,204	¥10,594 million
Net assets	69,919	74,766	¥4,846 million
Equity ratio (%)	55.6%	52.9%	(2.7) points

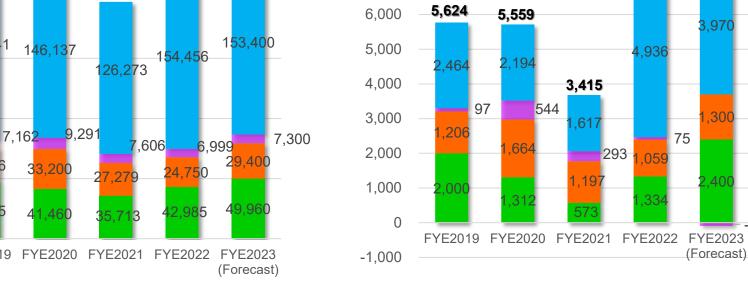
[Cash flows]

	FYE2021 (Millions of yen)	FYE2022 (Millions of yen)
Cash flows from operating activities	1,939	(7,623)
Cash flows from investing activities	183	(1,326)
Cash flows from financing activities	(1,052)	(883)
Cash and cash equivalents	21,120	11,577

Prospects of Financial Results for the Whole Year of FYE2023 (Consolidated)



	Results for FYE2022 (Millions of yen)	Forecasts for 2Q of FYE2023 (Millions of yen)	Year-on- year change (%)	Forecasts for the whole year of FYE2023 (Millions of yen)	Year-on- year change (%)
Net sales	229,126	117,000	9.0	240,000	4.7
Operating profit	7,062	3,000	8.2	7,100	0.5
Ordinary profit	7,285	3,100	9.4	7,300	0.2
Profit attributable to owners of parent	5,004	2,150	13.7	5,100	1.9



FA Systems

Operating profit (Millions of yen)

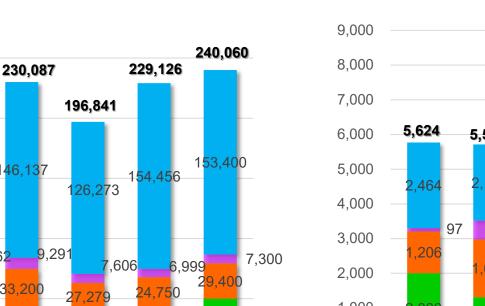
*(Note) Company-wide expenses are not included.

ICT Systems

7,062

Cooling & Heating and

Building Systems



Changes in Results (Consolidated)

Net sales (Millions of yen)



Electronics

7,580

3,970

300

400

-90

300,000

250,000

200,000

150,000

100.000

50,000

0

240,312

157,441

9.116

FYE2019

Forecasts for FYE2023 by Segment (Consolidated)



		Results for FYE2022 (Millions of yen)	Forecasts for 2Q of FYE2023 (Millions of yen)	Forecasts for FYE2023 (Millions of yen)	Year-on- year change (%)
	Net sales	42,985	24,240	49,960	16.7%
FA Systems	Operating profit	1,334	1,110	2,400	79.9%
	Both sales and profits are expected to exceed those of the previous year as 5G-related investments recover, the core business is strengthened, the business domains are expanded, and new businesses are created.				
Cooling & Heating and Building Systems	Net sales	24,750	13,340	29,400	18.7%
	Operating profit	1,059	460	1,300	22.7%
	Sales and profits are anticipated to go up due to the maximization of profits from existing businesses, sales expansion in brisk markets such as ventilation- and intense heat-related measures, and efforts for ZEB proposals.				
ICT Systems	Net sales	6,999	2,940	7,300	4.3%
	Operating profit	74	(130)	(90)	-
	In addition to the early launch of a new plant factory and the advancement of existing DX businesses, business development for CN-related new systems is expected.				
Electronics	Net sales	154,456	76,510	153,400	(0.9)%
	Operating profit	4,936	1,800	3,970	(19.6)%
	Sales of automobile-related electronics for the Japanese and Chinese markets as well as 5G-related investments are expected to recover.				
Company-wide expenses	Operating profit	(341)	(240)	(480)	-
	Expenses for new-business development that do not belong to particular segments				
Total	Net sales	229,126	117,000	240,000	4.7%
	Operating profit	7,062	3,000	7,100	1.4%

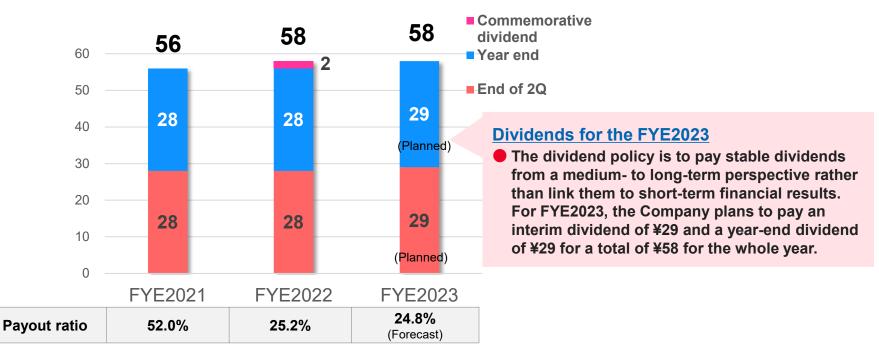
Shareholder Returns

RYODER

[Dividend policy]

- The basic principle is to increase internal reserves to strengthen the management foundation and the financial structure and utilize them as resources for investments to expand business, and profits will be returned to shareholders appropriately in accordance with the principle.
- Dividends will be paid to return profits while taking into consideration factors such as consolidated financial results in each business year and the group's medium- to long-term strategy.

[Results of dividends paid]

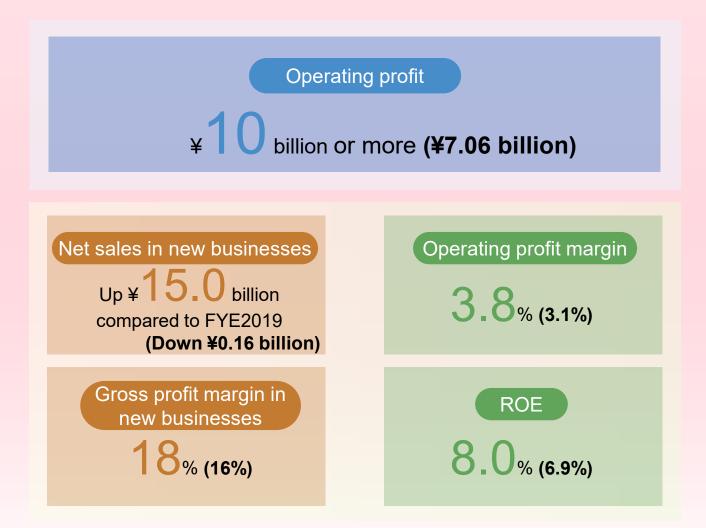


Changes in dividends (yen)

3. Future Management Strategy

Goals for FYE2025 Financial Results





Figures in parentheses indicate results for the fiscal year ended March 2022

Focus Domains of RYODEN





Major licenses held

Construction license (Types of construction for which licenses have been obtained)

- Special Construction License: Plumbing work, machine and equipment installation work
- Ordinary Construction
 License:
 Scaffolding and earth work
- Special Construction License: Electrical work
- Ordinary Construction
 License:
 Telecommunications work
- ☑ Telecommunications business registration
- Selling and leasing license for specially controlled medical devices
- Medical devices repair license



★Forecasts of cloud/subscription services sales in FYE2023

(In millions of yen)

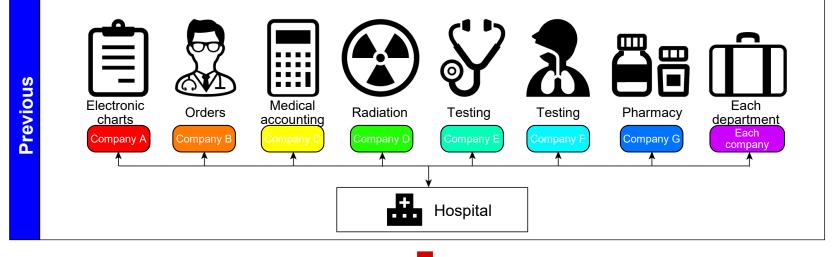


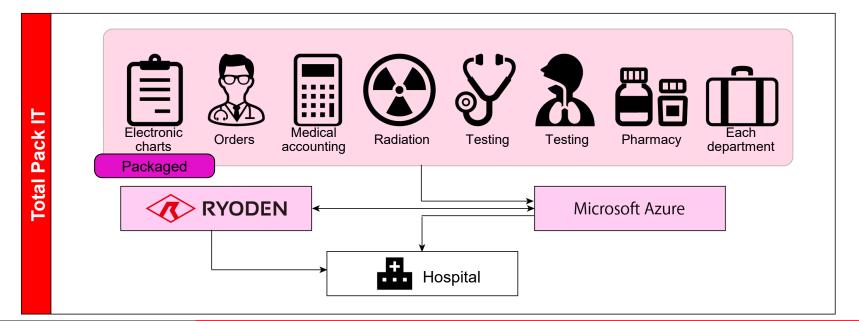
- Healthcare Packaged service of various systems for hospitals (Total Pack IT)
- Networks Network cameras and RoLa-WAN IoT service
- Devices Cloud AI service (pest control) Microcomputing simulator for development of in-vehicle systems (VLAB license), etc.

Subscription/cloud services have grown as a result of the past focus on solutions business.

Healthcare Business: Total Pack IT



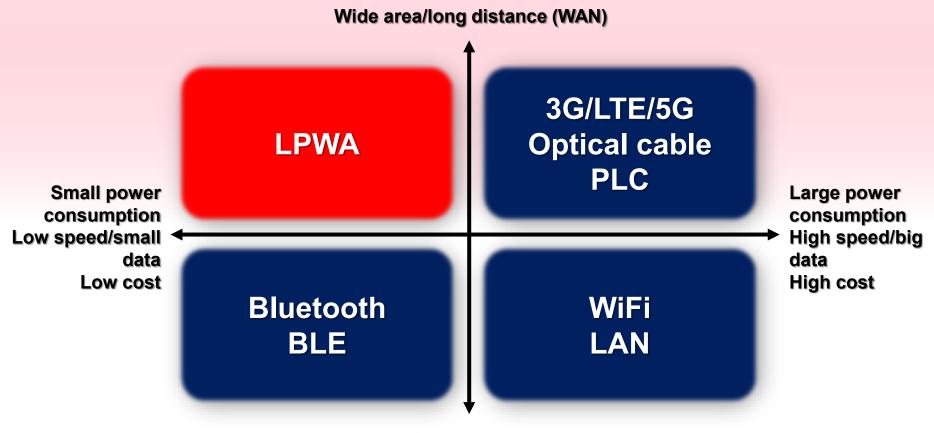




Communication Network (LoRa Communication)



LPWA (Low Power Wide Area Network) is attracting attention



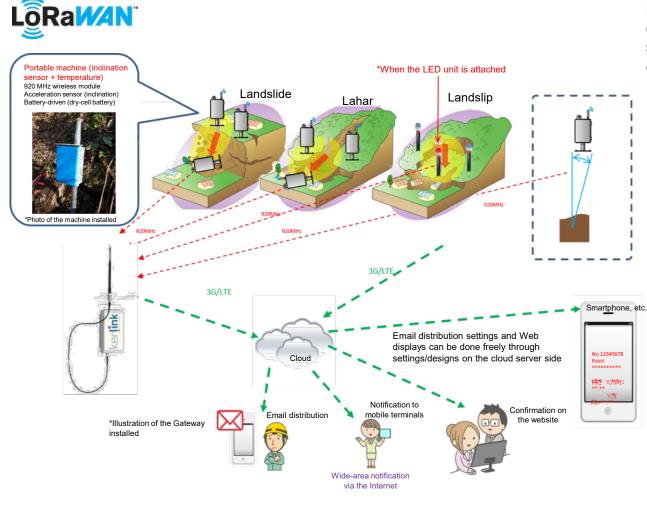
Narrow area/short distance (PAN/LAN)

Communication Network (LoRa Communication)



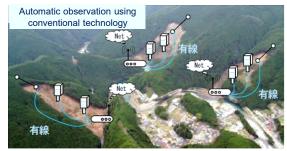
Slope applications utilizing LoRaWANTMwo

Disaster risk reduction and sign management utilizing LoRaWAN[™]



[Comparison]

Illustrations of observation using conventional automatic observation systems and that employing LoRa communication technology

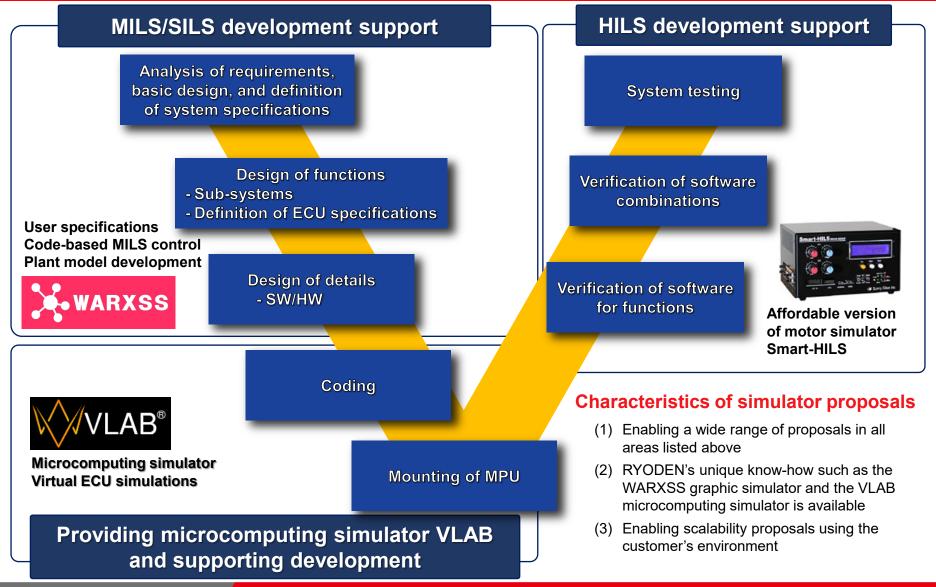




Safety Solutions Offered by RYODEN



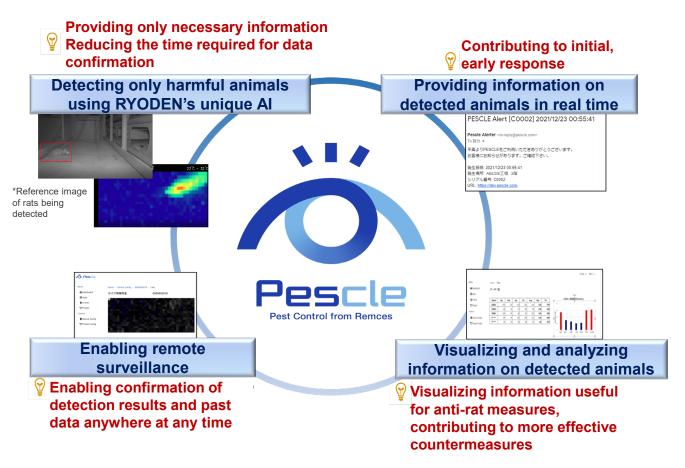
Virtual environment solutions for mobility: reducing development man-hours by offering virtual tests and analyses



Pescle (Pest Control)



Pescle provides a cloud AI service to contribute to sustainable pest control and food safety



The sensor can be chosen from between the two types according to the situation





Thermal type

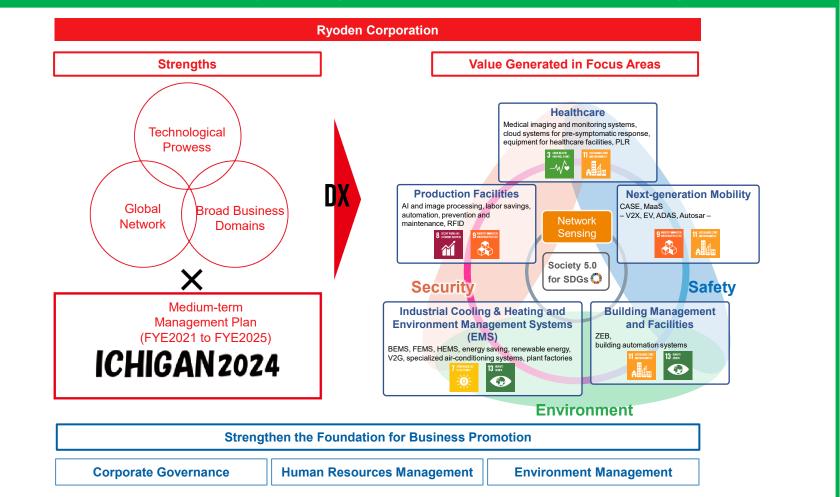
Camera type

The thermal type has a highperformance sensor that uses the most advanced technology, significantly reducing the burden of privacy risks because of thermal imaging

RYODEN's Value Creation Model



Promoting GX (Green Transformation)



Establishment of the Environmental Vision



On April 1, 2020, RYODEN established the environmental vision for the period up to 2030.

Ryoden Corporation Group's Environmental Vision

By 2030, the Ryoden Corporation Group will

Strengthen initiatives for a decarbonized society

[Priority initiatives]

- Strive to achieve zero greenhouse gas emissions associated with electricity usage
- Provide solutions that contribute to reducing environmental burden, such as ZEB

We will create environmental solutions to contribute to the concept of product life cycles to enhance environmental value

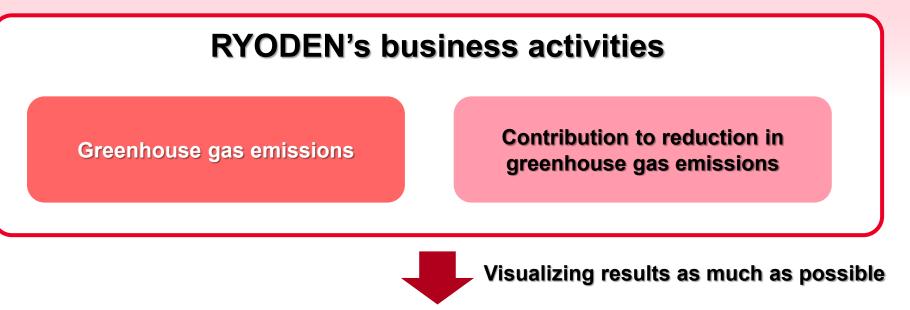
In its business activities, the RYODEN Group aims at achieving the following important SDGs:





TCM (Total Carbon Management)

RYODEN Group's unique environmental activities



All personnel grasp and analyze results

All personnel make united efforts for greater contribution to reduction in GHG emissions in the entire supply chain



Example of initiatives to realize the environmental vision

— RYODEN aims at covering all power it consumes with power it generates through its photovoltaic power generation equipment at the Kurihara Photovoltaic Power Plant —

= Scheme using clean electricity, which reduces net GHG emissions to zero =

	Registered as renewa	able energy	Po (owne	ra Photovoltaic ower Plant ed by Ryoden) ra City, Miyagi				
METI Agency for Natural Resources and Energy								
	energy value in the forr uel energy certificates		Designated purchases of non- fossil fuel energy certificates from the Kurihara Photovoltaic	Electricity and non-fossil fuel energy certificates from the Kurihara Photovoltaic				
Base	When the switchover is completed	Base	Planned timing for switchover	Power Plant from the trading market	Power Plant are combined and purchased as clean electricity			
Hamamatsu Office	August 1, 2021	Iwaki Office	November 2021					
Head Office/ Eastern Japan	August 16, 2021	Takamatsu Office		The switchover is under way first at RYODEN's own building and buildings all of whose floors are rented.				
Kyoto Office	September 12, 2021	Maebashi Office	Gradually after the spring of this year	 If the switchover is completed at all locations listed in the left table, <u>approximately 60% of power consumed by</u> <u>Ryoden in Japan will be replaced by clean electricity</u>. 				
Techno Osaka	September 15, 2021	Utsunomiya Office						

RYODEN's New Initiatives for a Decarbonized Society (Scope 2)

Smart agriculture business: next-generation plant factory

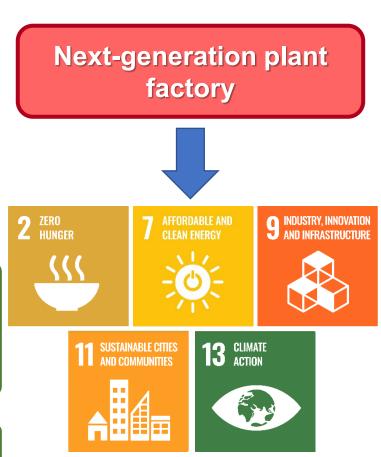


- * Mega-solar photovoltaic power generation equipment is installed, and the power thus generated is all consumed at the plant factory.
- * Substantial energy conservation is achieved through new environmental control equipment and the REMCES integrated IoT system.
- * Food loss is reduced through processing and freezing equipment as well as reduction-type garbage treatment equipment.

The amount of electricity purchased for cultivation rooms is reduced by 50% compared to the previous level.

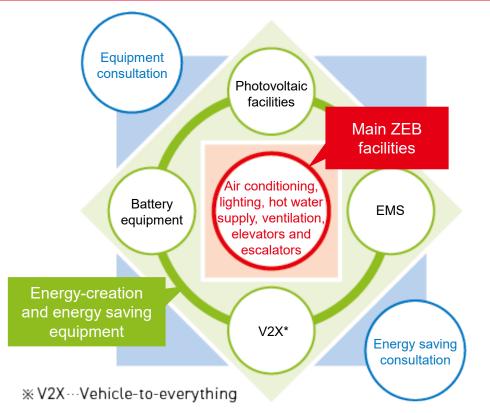
GHG emissions from the plant factory are reduced by 1,764 tons annually.

(Reference: The RYODEN Group emitted 1,495 tons of GHG in FYE 2021)



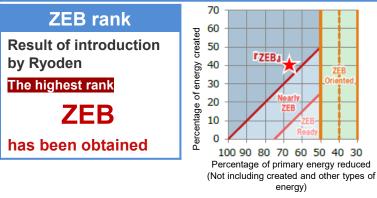


Supporting in realizing ZEB (net zero energy buildings)



Concept of ZEB buildings

High-performance insulating materials are used for external coverings. Air-conditioning combines a high-efficiency inverter air-conditioning system with a sensor and an all-heat converter, using the night purge system to achieve reduction in air-conditioning load. LED lighting is used with energy consumption reduced using a human detecting sensor. A high-efficiency heat pump hot water supplier is used for hot water supply. Efficient equipment operation is possible due to BEMS-based load control and tuning functions. ZEB is achieved through energy created using photovoltaic power generation.



\triangle Example of ZEB introduced by RYODEN

Ryoden Corporation is registered as ZEB Planner

A ZEB Planner, based on the gist of the ZEB Roadmap, is an entity which utilizes the ZEB Design Guidelines or the Technical and Design Knowhow on the Design of ZEB and Energy-saving Buildings of each company. A consulting window is established at such entity for the realization of ZEB widely for the general public, with the aim of supporting business and disclosing the activities.

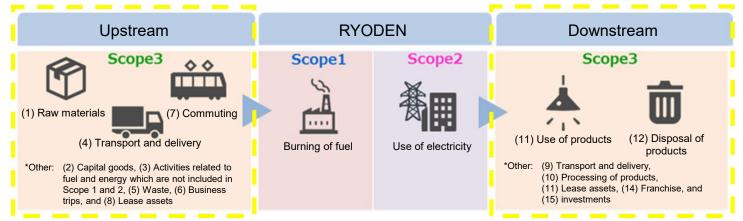




TCM (Total Carbon Management)

			FYE2019	FYE2020			FYE2021		
			GHG emissions (t-CO ²)	GHG emissions (t-CO ²)	Proportion	Comparison with previous fiscal year	GHG emissions (t-CO ²)	Proportion	Comparison with previous fiscal year
	Total GHG emissions (Scope 1, 2, and 3 combined)		7,227,392	7,146,547	100.00%	99%	6,200,480	100.00%	87%
	Scope 1	Company cars	554	505	0.01%	91%	401	0.01%	80%
	Scope 2	Offices (for electricity used)	1,128	1,023	0.01%	91%	998	0.01%	98%
	Scope 3		7,225,710	7,145,019	99.98%	99%	6,199,081	99.97%	87%
	Cat.11	Use of marketed products	6,364,359	6,328,026	88.55%	99%	5,497,614	88.65%	87%

*Cat.11 indicates the total of only particular products selected by RYODEN (53 items)



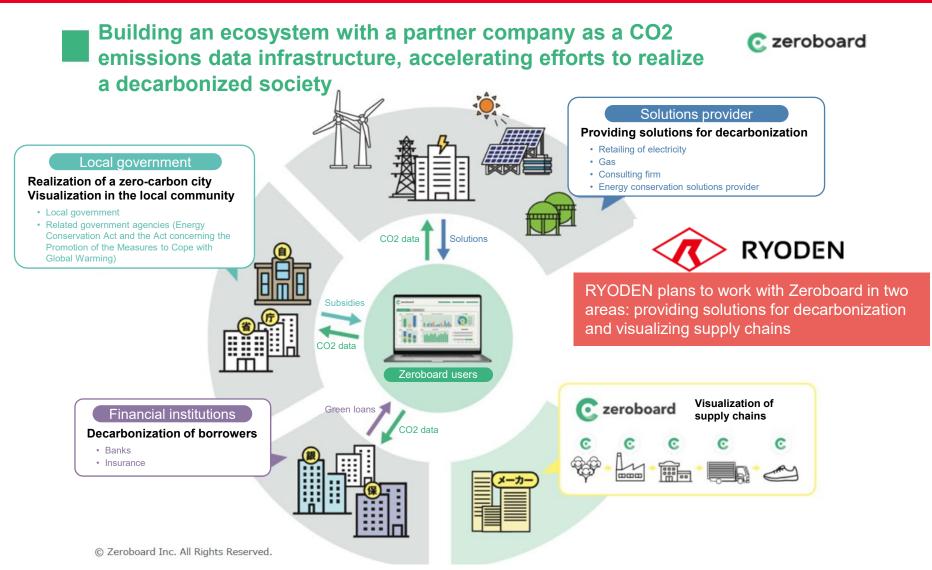
Scope 1: Greenhouse gas emitted directly by the business operator itself (burning of fuel and industrial processes)

Scope 2: Indirect emissions associated with the use of electricity, heat, and steam supplied by other companies

Scope 3: Indirect emissions other than those in Scope 1 and Scope 2 (emissions by other companies as associated with the business operator's activities)

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Zeroboard, Inc.





Zeroboard, Inc. provides cloud services to calculate and visualize greenhouse gas (GHG) emissions

These cloud services enable calculation and visualization of GHG emissions from business activities and supply chains in accordance with the GHG Protocol, an international standard



- Calculation of GHG emissions from a supply chain (Scope 1 to 3) or each product, which requires a huge amount of data
- Highly visible dashboard to manage reduction in GHG emissions and simulate cost-effectiveness
- Output of data to meet reporting methods under various domestic environmental laws and ordinances in addition to the GHG Protocol and other international disclosure formats
- User-friendly operability that does not require technical knowledge
- System appropriateness guaranteed by international judging and certification organs

Zeroboard makes it possible to achieve greater efficiency

(ISO14064-3*3-based verification)

in calculating GHG emissions and disclosing their data and manage reduction efforts properly. Strong point 1 Supporting calculation of emissions in supply chains

Be a 未来-Creator as Your Partner

Don't you have these problems?

- It takes time to collect GHG data (Scope 1 to 3).
- Multiple management is needed to meet domestic environmental laws and ordinance and disclose information to the financial market.
- Oata have been visualized, but we do not know where we should start reduction.

RYODEN's New Initiatives for a Decarbonized Society (Scope 3)



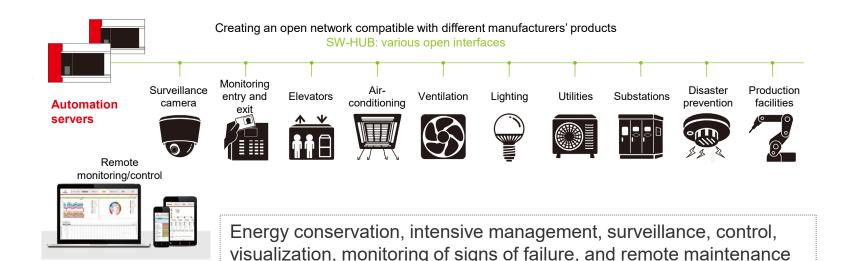
General development of integrated cloud-type management IoT systems

Remces supports everything from manufacturing to the lives of people.

It is RYODEN's original IoT platform.

Characteristics • Achieving remote-controlled visualization and high scalability using cloud systems

- Saving personnel and labor through unified management and control of equipment and environmental information
- Supporting multi-vendor connectivity using open interfaces



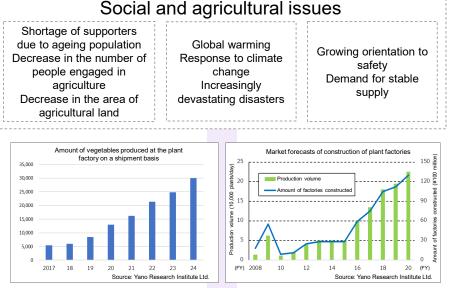
Smart Agriculture Business

Trends in the Agriculture Market and RYODEN's Position



Smart agriculture business: next-generation plant factory

(1) Trends in the plant factory market



1. Share of leading plant factory operators 2. Share of equipment and machinery in 2020 constructors in 2020 Other 20% RYODEN Company H, 1.0% Farmship 33.7% 36% Company C 10% Company G. 2.6% Company F, 3.49 Total amount produce Company E, 4.8% ¥10 billion yen/year and supplied daily: market 30 tons Company D, 6.7 Company B 13% Company A, 12.5% Company A 21% Company C, 6.7% Company B, 6.7%

Fuji Keizai Agriculture, Forestry, and Fisheries Business 2020 (Excerpt)

There is a growing need for plant factories, one efficient type of agriculture, which achieves stable supply and conservation of personnel and labor. The market is expanding at an annual rate of over 20%.

RYODEN has built a competitive business model through collaboration! RYODEN also gained a firm position in the area of next-generation agriculture, which has high barriers to entry!

(2) RYODEN's position

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Smart agriculture business: (1) Creation of new businesses

Block-FARM's Numazu plant factory

Completed on May 26, 2022



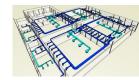
Working with the local community and administrative agencies for construction and launch of the project

Ministry of Agriculture, Forestry and Fisheries:

Comprehensive support to develop strong supporters of agriculture Adoption of projects to empower production

- Ministry of the Environment: Subsidizing photovoltaic power generation for agriculture
- Shizuoka Prefecture: Certification of the plant as one of the Fujino-kuni Frontier Promotion Areas

Correlated energy-saving air-conditioning system



Integrated IoT system for next-generation agriculture



for Smart-Agri

Establishment of an R&D center

Utilization of renewable enerav





Automated equipment based on robotics





Labor -Saving

Establishment of Rvoden's solutions showroom



 Energy conservation signage Panoramic view

Implementing unique solutions to contribute solving social issues

Enhancing the Group's corporate value

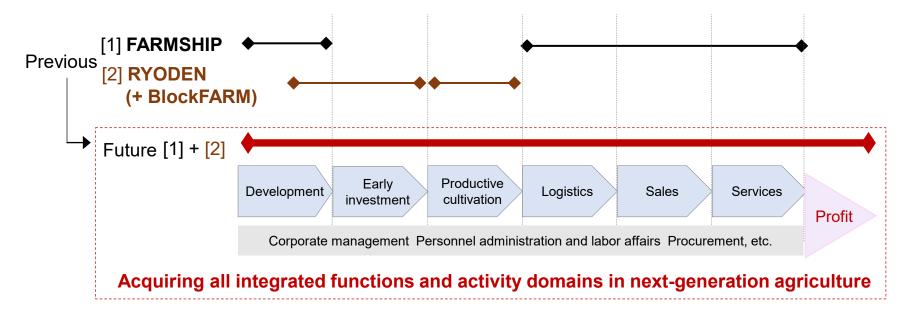
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Smart agriculture business: (2) Expanding the business domains

Making Farmship, Inc., the collaboration partner, RYODEN's affiliate through additional equity investments

- RYODEN takes leadership in strengthening each function of the next-generation agricultural value chain by shifting from horizontal division of work to horizontal integration
- Establishing a business system that enables RYODEN to gain the early developer's benefits by responding to future demand expansion
- Developing energy- and labor-saving business in the food industry, a new domain for RYODEN
- Acquiring skills in all processes up to sales and logistics to prepare for overseas business development



Trends in the Agriculture Market and RYODEN's Position



Smart agriculture business: (3) Enhancing business value — strengthening the manufacturer's functions of plant factory systems —

Technological capabilities

Uniqueness

Engineering systems



Small-scale plant factory system



Large-scale plant factory system



Facility horticultural system

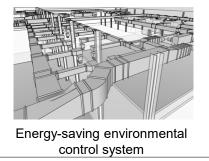


Planning, design, technical construction system

MICTURE INCOME



Environmental design: temperature and air current simulations



Remces integrated IoT system





Planting robot system (being developed)



Cleaning system



Automated equipment



Development of dedicated materials (molded products)

Contact for Inquiries





Note

Statements of plans for financial results and other prospects of the future included in this presentation are based on the information so far obtained by the Company and the certain assumptions considered as reasonable, and actual financial results, etc. may differ significantly from the statements due to various factors. Major factors include:

- Rapid changes in the economic situation of major markets (such as Japan and Asia), consumption trends, and supply of and demand for products
- Significant fluctuations in the exchange rate of yen against the U.S. dollar, etc.
- · Substantial changes in quotations in the capital market