

Fiscal 2025 3rd Quarter Financial Results

Seibu Giken Co., Ltd. (Ticker code: 6223)

November 10, 2025

Disclaimer regarding forward-looking statements

Because the forward-looking statements contained in this report are based on information available at the time of publication, Actual results may differ from these forecasts due to risk and uncertainty.

Notes: 1. This is an English translation from the original presentation in Japanese.
2. In this presentation, “Fiscal 2025” or “FY12/25” refers to the year ending December 31, 2025



Q3 FY2025 Results Overview

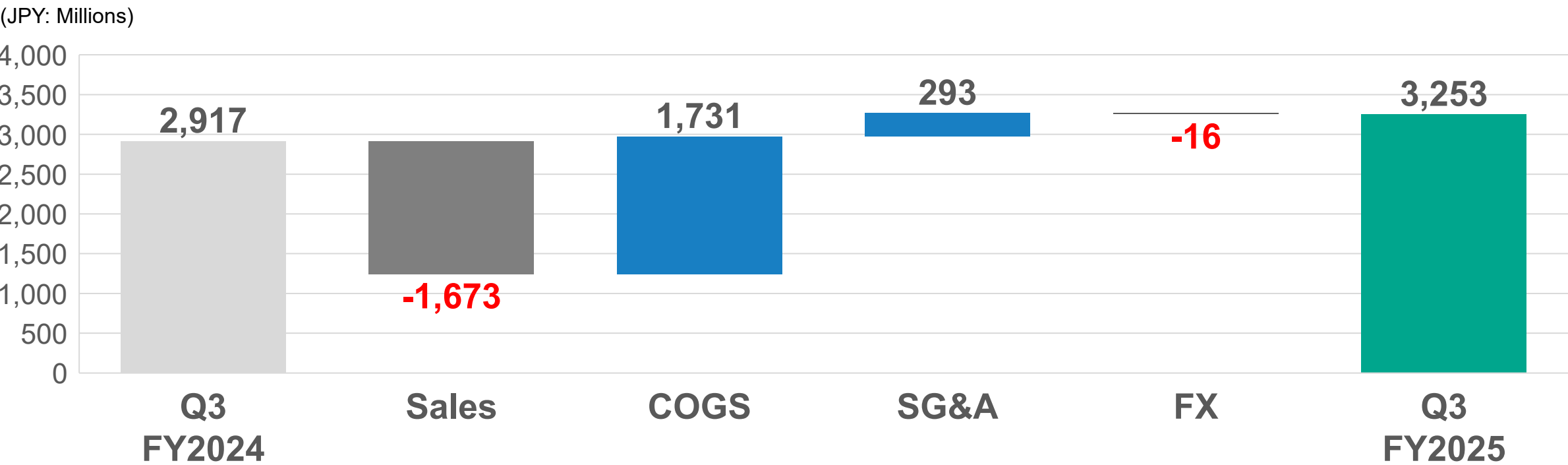
	Q3 FY2024		Q3 FY2025		YoY	
	Amount	vs net sales(%)	Amount	vs net sales(%)	Diff.	%
(JPY: Millions)						
Net sales	23,401		21,636		-1,765	92.5
Gross profit	7,950	34.0	7,975	36.9	25	100.3
Selling, general & administrative expenses	5,033	21.5	4,722	21.8	-310	93.8
Operating profit	2,917	12.5	3,253	15.0	335	111.5
Ordinary profit	3,037	13.0	3,212	14.8	175	105.8
Quarterly net profit attributable to Seibu Giken Co., Ltd. stockholders	2,444	10.4	2,414	11.2	-30	98.8
Quarterly net profit per share (JPY)	119.26		120.21		-	-
EBITDA*1	3,614		3,954		340	109.4
EBITDA margin*2 (%)	15.4		18.3		-	-

*1: EBITDA = operating income + depreciation

*2: EBITDA margin = EBITDA/ sales

- Net sales (-1,765 mn): Sales increased in Japan and other parts of Asia (excluding China and South Korea) mainly due to VOC concentrators. Meanwhile, sales of desiccant dehumidifiers decreased in the United States, South Korea and Europe due to the reaction to large projects in the previous period.
 - Operating profit (+335 mn): Gross profit increased slightly due to an increase in projects with high gross profit margins. Selling, general and administrative expenses decreased as the freight costs associated with large projects in the previous period declined.
- ⇒ The full-year forecast has been revised based on progress and projections. (Page 9)

Q3 FY2025 Operating Profit Factor Analysis



- Decreased in sales: Sales of desiccant dehumidifiers decreased.
- Decreased in COGS: Manufacturing costs decreased due to the impact of decreased net sales and high gross profit margin projects.
- Decreased in SG&A: SG&A decreased as the freight costs associated with large projects in the previous period declined.
- Decreased in FX: The impact of exchange rates was negligible.

Q3 FY2025 Net Sales by Product and Business

Product (JPY: Millions)	Q3 FY2024	Q3 FY2025	YoY (%)
Desiccant dehumidifier	15,088	10,769	71.4
VOC concentrator	6,291	7,959	126.5
Others	2,020	2,906	143.8
Total	23,401	21,636	92.5

Business (JPY: Millions)	Q3 FY2024	Q3 FY2025	YoY (%)
Core Business : Selling module/equipment	17,072	14,466	84.7
Growth Business : Total engineering	6,329	7,169	113.3
Total	23,401	21,636	92.5

- Sales of desiccant dehumidifiers decreased in the United States, South Korea and Europe (due to the reaction to large projects in the previous period).
- Sales of VOC concentrators increased in Japan and other parts of Asia (excluding China and South Korea).
- Sales of Others increased due to growth in Japan for sales of total heat exchangers, as well as sales from construction management in South Korea.
- By business segment, “Core Business” decreased in sales due to lower sales of desiccant dehumidifiers, while “Growth Business” increased in sales due to higher sales of VOC concentrators.

Q3 FY2025 Net Sales by Region

(JPY: Millions)	Q3 FY2024	Q3 FY2025	YoY (%)
Japan	7,895	10,695	135.5
China	4,934	4,194	85.0
Korea	2,045	1,013	49.6
Other Asia	926	1,642	177.3
Europe	4,420	2,656	60.1
U.S.	2,851	805	28.2
Other North America	174	260	148.8
Others	153	367	239.7
Total	23,401	21,636	92.5

- Japan and other Asia : Increased mainly due to higher sales of VOC concentrators.
- U.S., South Korea and China : Decreased mainly due to lower sales of desiccant dehumidifiers.
- Europe : Decreased due to lower sales of desiccant dehumidifiers and VOC concentrators.
- Others : Increased mainly due to orders for desiccant dehumidifiers in Oceania.

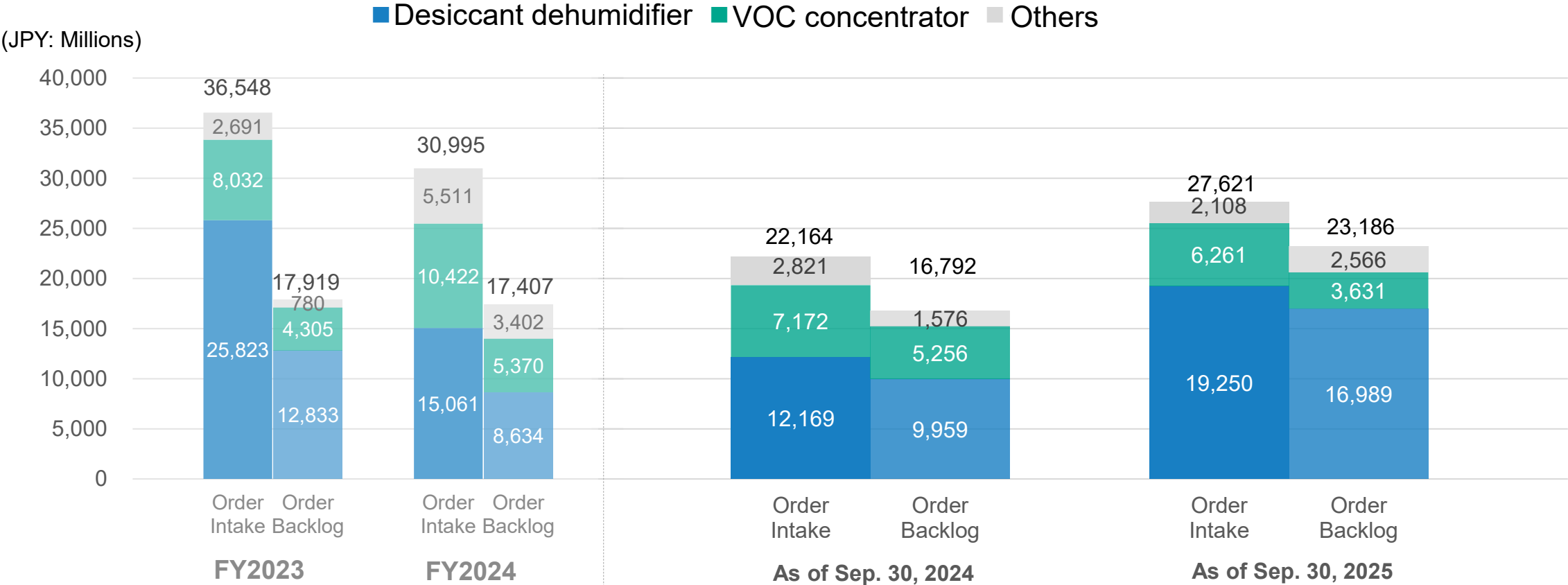
Consolidated Balance Sheet as September 30, 2025

(JPY: Millions)	As of December 31, 2024	As of September 30, 2025
Cash and cash equivalents	14,442	13,637
Trade notes and accounts receivable	6,883	7,565
Other current assets	9,384	11,101
Net property, plant and equipment	10,937	13,129
Other fixed assets	1,147	1,261
Total Assets	42,795	46,696
Interest-bearing debt ^{*1}	1,525	2,950
Other liabilities ^{*2}	11,311	13,838
Total Liabilities	12,837	16,788
Total Net Assets	29,957	29,907

*1 : Interest-bearing debt = Current portion of long-term debt + Short-term lease + Bonds + Long-term debt + Lease

*2 : Other liabilities = Total liabilities – Interest-bearing debt

Trend of Order Intake and Backlog



Note : The above amounts are stated at the sales price and do not include consumption tax, etc

Order intake for Q3 2025 was 124.6% YoY, and order backlog at the end of Sep. 2025 was 133.2% of the end of 2024

Fiscal 2025 Forecast



FY2005 Forecast

Updated from the announcement on February 14, 2025

	FY2024		FY2025 Forecast (Updated)		YoY		FY2025 Original Forecast as of Feb. 14, 2025	
	Amount	vs net sales(%)	Amount	vs net sales(%)	Diff.	%	Amount	vs net sales(%)
(JPY: Millions)								
Net sales	32,069		33,727		1,657	105.2	34,632	
Gross profit	10,904	34.0	10,951	32.5	46	100.4	11,025	31.8
Selling, general & administrative expenses	6,873	21.4	7,093	21.0	219	103.2	7,473	21.6
Operating profit	4,030	12.6	3,858	11.4	-172	95.7	3,552	10.3
Ordinary profit	4,190	13.1	3,883	11.5	-307	92.7	3,630	10.5
Net profit attributable to Seibu Giken Co., Ltd. stockholders	3,336	10.4	3,136	9.3	-200	94.0	3,111	9.0
EBITDA*1	4,993		4,798		-195	96.1	4,519	
EBITDA margin*2 (%)	15.6		14.2		-	-	13.1	

*1: EBITDA = unaudited figures calculated by operating income + depreciation *2: EBITDA margin = EBITDA/ sales

Net sales : Increase in energy device investment orders, mainly in Japan, is expected to lead to higher net sales

Operating profit : In selling module/equipment, profit margin expected to become tougher due to factors such as sluggish EV investment in Europe and intense competition in China due to a shrinking market.

Difference from previous forecast

Net sales are expected to fall below the previous forecast due to a decrease in sales in China, which is the result of the ongoing slowdown in the Chinese economy.

Operating profit is expected to exceed the previous forecast due to a decrease in selling, general, and administrative expenses resulting from reduced incentives for sales personnel at the Chinese subsidiary.

Net Sales by Product and business

Product (JPY: Millions)	FY2024	FY2025 Forecast (Updated)	YoY (%)	FY2025 Original Forecast as of Feb. 14, 2025
Desiccant dehumidifier	19,661	19,339	98.4	19,537
VOC concentrator	9,572	9,857	103.0	10,947
Others	2,835	4,530	159.7	4,146
Total	32,069	33,727	105.2	34,632

Business (JPY: Millions)	FY2024	FY2025 Forecast (Updated)	YoY (%)	FY2025 Original Forecast as of Feb. 14, 2025
Core Business : Selling module/equipment	24,022	22,213	92.5	22,500
Growth Business : Total engineering	8,047	11,513	143.1	12,131
合計	32,069	33,727	105.2	34,632

- Desiccant dehumidifier sales are expected to increase due to increased investment in EV battery manufacturing plants in Japan and the US, but remain flat year on year due to lower sales in Korea and Europe.
- VOC concentrators sales are expected to increase in relation to NMP recovery system in Japan, while “Others” sales are growing due to construction management.
- By business segment, total engineering, a growth business, posted a significant increase in sales due to higher sales of dry rooms and energy management systems in line with increased investment in energy devices in Japan, as well as construction management sales including semiconductor related products.

Net Sales by Region

Updated from the announcement on February 14, 2025

(JPY: Millions)	FY2024	FY2025 Forecast (Updated)	YoY (%)	FY2025 Original Forecast as of Feb. 14, 2025
Japan	10,688	14,980	140.1	14,191
China	6,851	5,565	81.2	7,511
Korea	3,404	2,711	79.7	2,759
Other Asia	1,725	2,191	127.0	1,513
Europe	5,616	3,524	62.8	4,203
USA	3,221	3,952	122.7	4,178
Other North America	240	300	124.9	240
Others	321	501	155.9	35
Total	32,069	33,727	105.2	34,632

Sales in Japan increased mainly in the total engineering business.
Sales in South Korea decreased due to the absence of large projects for desiccant dehumidifiers, etc. in the previous fiscal year, and sales in Europe decreased due to a decrease in projects caused by stagnant EV investment.

Difference from previous forecast
Sales in China are expected to fall below the previous forecast due to the continued slowdown in the Chinese economy.
Sales in Europe are expected to fall below the previous forecast due to a large order being postponed from this fiscal year to the next or a later date.

Shareholder Return

- While striving to maintain a healthy financial position and balance internal reserves for the future, rewarding shareholders by implementing and maintaining stable dividends
- Annual year-end dividend with the last day of each fiscal year as the record date is paid once a year
- Aiming at 40% or more consolidated dividend payout ratio as significant indicator
- Taking into consideration our business performance, capital situation, growth investments, and market environment, including stock prices, we will flexibly implement share buybacks as a shareholder return measure that contributes to improving capital efficiency.
- **Annual dividend for FY2025 is expected to be JPY 70**
- **Completion of share buyback announced on Feb. 14, 2025**
(Acquisition period: Feb. 17, 2025 to Jun. 2, 2025; Acquisition amount: approximately 1 billion yen;
Number of shares acquired: approximately 640,000 shares)

Appendix



Capital Expenditures, Depreciation and R&D Expenses

(JPY: Millions)	FY12/23	FY12/24	Q3 FY12/25	FY12/25 Forecast
Capital expenditures*	2,423 (957)	1,736 (2,483)		3,332
Depreciation	893	962	701	967
R&D expenses	302	348	275	362

Note*: Figures indicated on a cash basis (figures in parentheses on an accrual basis)

FY2024 Quarterly Financial Results



	FY2024 Q1		FY2024 Q2		FY2024 Q3		FY2024 Q4	
	Amount	vs net sales(%)	Amount	vs net sales(%)	Amount	vs net sales(%)	Amount	vs net sales(%)
(JPY: Millions)								
Net sales	5,777		8,943		8,680		8,668	
Gross profit	1,999	34.6	2,910	32.5	3,040	35.0	2,953	34.1
Selling, general & administrative expenses	1,513	26.2	1,766	19.8	1,753	20.2	1,840	21.2
Operating profit	486	8.4	1,144	12.8	1,287	14.8	1,113	12.8
Ordinary profit	596	10.3	1,148	12.8	1,292	14.9	1,153	13.3
Net profit attributable to Seibu Giken Co., Ltd. stockholders	481	8.3	909	10.2	1,054	12.1	891	10.3
Net profit per share (JPY)	23.48		44.37		51.41		43.50	
EBITDA*1	710		1,379		1,524		1,379	
EBITDA margin*2 (%)	12.4		15.4		17.6		15.9	

*1: EBITDA = unaudited figures calculated by operating income + depreciation *2: EBITDA margin = EBITDA/ sales

FY2024 Quarterly Net Sales by Product and Region

Product

(JPY: Millions)	FY2024 Q1	FY2024 Q2	FY2024 Q3	FY2024 Q4
Desiccant dehumidifier	3,543	5,944	5,601	4,573
VOC concentrator	1,541	2,375	2,374	3,280
Others	692	624	704	814
Total	5,777	8,943	8,680	8,668

Region

(JPY: Millions)	FY2024 Q1	FY2024 Q2	FY2024 Q3	FY2024 Q4
Japan	2,863	2,379	2,653	2,793
China	1,317	1,543	2,073	1,917
Other Asia	663	1,078	1,229	2,157
Europe	677	2,793	949	1,195
North America	205	1,108	1,711	436
Others	49	40	62	168

FY2024 Quarterly Order Intake and Backlog

Order Intake

(JPY: Millions)	FY2024 Q1	FY2024 Q2	FY2024 Q3	FY2024 Q4
Desiccant dehumidifier	2,807	9,243	12,169	15,061
VOC concentrator	2,297	4,297	7,172	10,422
Others	681	1,668	2,821	5,511
Total	5,786	15,209	22,164	30,995

Order Backlog

(JPY: Millions)	FY2024 Q1	FY2024 Q2	FY2024 Q3	FY2024 Q4
Desiccant dehumidifier	12,338	13,272	9,959	8,634
VOC concentrator	5,202	5,006	5,256	5,370
Others	773	1,143	1,576	3,402
Total	18,314	19,422	16,792	17,407

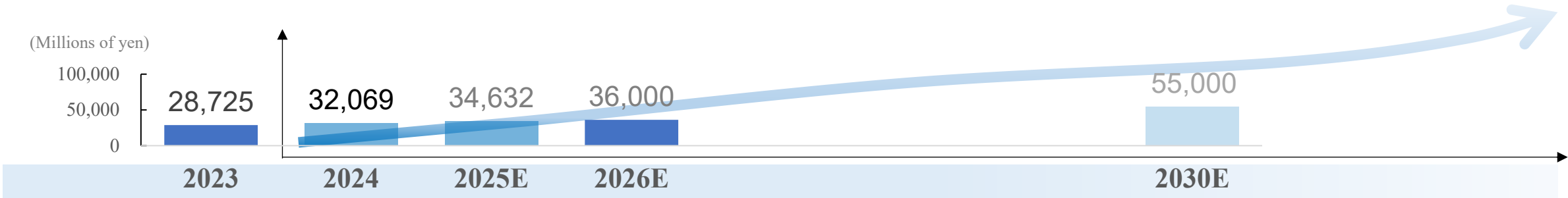
Medium-Term Management Plan 2024-2026



Positioning of Mid-Term Management Plan

Building a foundation for sustainable growth for the next 3 years as the first phase toward the realization of 2030 Vision

Continue to be the innovation leader in air processing technology to realize a climate-neutral future



FY2023
results

Phase 1

Build a foundation for growth

Mid-Term Management Plan 2024-2026

- Expand market share in core businesses
- Scale up growth business
- Strengthen group governance

Phase 2

Stabilize growth business

Mid-Term Management Plan 2027-2029

- Ensure stable profitability from growth business
- Reap the return of investment

Phase 3

Realize our vision

Mid-Term Management Plan 2030-2032

- Ensure sustainable management aligned with growth industries
- Maintain the consolidated operating profit over JPY9 bn

Operating profit margin

15.0%

12%

17% or more

EBITDA margin

18.1%

15%

21% or more

ROE

15.4%

13%

18% or more

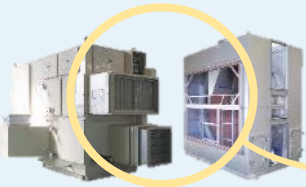
Growth Strategy in Mid-Term Management Plan

Aiming at sustainable profit growth by gaining market share in our core businesses in Europe and North America and by expanding total engineering business

Growth Driver

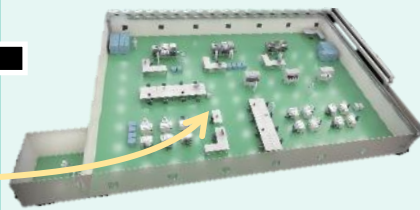
Core Business : Selling module/equipment

Module/equipment contributing to the optimal manufacturing environment and reduction of environmental impact for customers



Growth Business : Total engineering

Proposal, design, fabrication, construction, etc. of systems for optimal space creation



Target



Energy device

Battery (EV batteries, Stationary storage batteries, next generation batteries)
Other than batteries
(Lithium-ion capacitors, perovskite solar cells)



Semiconductor,
Semiconductor
Materials

Priorities

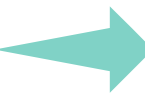
Core Business

- Gain market share of desiccant dehumidifier in areas where investment is thriving (Japan, U.S. & Europe)
- Improve competitiveness by increasing production capacity with capital investment in target region
- Approach to emerging markets such as Southeast Asia and India
- Expand overseas service business by stimulating demand for rotor replacement

Growth Business

- Expand total engineering business in overseas (U.S. & Korea)
- Establish a future stable earnings base by initiating service DX business

Business Environment Surrounding Our Growth Areas

		Market Outlook	Trends
EV battery	Japan		Many large-scale investment plans were announced, partly driven by the government's policy
	China		Sluggish due to overinvestment in production
	Europe		Stagnant investment with the spread of EVs slowing down
	U.S.		The impact of the administration change is unclear
EV battery (next-generation battery)			Development of solid-state batteries through public-private partnerships is accelerating in various countries
Storage battery for stationary applications			Increasing demand for self-consumption and as a means to adjust supply and demand
Energy devices other than batteries			Lithium-ion capacitor : Increase in demand for data centers and hybrid vehicles Perovskite solar cells : In Japan, a development and investment plan supported by the government was announced as a pillar of renewable energy
Semiconductor Semiconductor Materials			Aggressive investments by the companies related to semiconductors for AI servers. Investments in automotive semiconductors are being restrained.

Business Overview (1) Our Products

Desiccant Dehumidifier



Grow along with the energy device market

Sales Composition (FY2024)

61.3%



EV battery factories

Food

Pharmaceuticals

Perovskite solar cell factory

Lithium-ion capacitor factory

- A European competitor (manufacturer) has a leading share in the global market. We understand that we are the second largest.
- Capable of dehumidifying in the environment at 15°C or lower temperature, which cannot be achieved by the conventional refrigerant dehumidifier
- Differentiate ourselves from competitors with our total engineering covering design and construction work of dry rooms, essential for production processes for Lithium-ion batteries and other energy devices

2022
JPY 15.9 bn

2023
JPY 18.5 bn

2024 JPY 19.6 bn

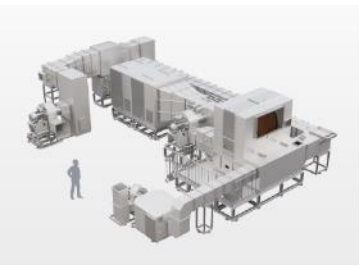
VOC Removal and Solvent Recovery Equipment



Grow along with the semiconductor and energy device market

Sales Composition (FY2024)

29.8%



Semiconductor
Semiconductor material

EV battery factories

Painting

Printing

Tire Manufacturing

- A leading share in the global market
- Grow as solvent recovery equipment for the lithium-ion battery manufacturing process, in addition to existing applications such as exhaust gas treatment for semiconductor/semiconductor material plants and degassing and deodorizing treatment for printing and painting plants
- Grow along with the growth of the energy device market going forward, as higher recovery rates and lower running costs can be expected from replacement from the existing wet-type to our dry and circulating type

2022
JPY 6.5 bn

2023
JPY 7.3 bn

2024 JPY 9.5 bn

Other Products

Grow due to demand for GX of factories

Sales Composition (FY2024)

8.8%



Total heat exchanger

Honeycomb filter

Commercial facilities

Buildings

Public facilities

Hospitals

GX of factories

General air conditioning

Research facilities

- Our total heat exchangers have a leading share in the domestic market
- Will continue to progress steadily, as these devices are used universally for general air conditioning facilities in buildings, plants, hospitals, etc.
- On a growth trend, as demand for GX of factories and others is expected to rise with the total heat exchange technology appreciated due to its high CO2 reduction effect

2022
JPY 2.4 bn

2023
JPY 2.8 bn

2024 JPY 2.8 bn

Business Overview (2) Net Sales by Business (Core Business and Growth Business)

Core Business: Selling module/equipment

Total of machinery/devices sales and ancillary maintenance services

FY2023

JPY 25.4 bn

FY2024

JPY 24.0 bn

Segment	2023 Net Sales (JPY: bn)	2024 Net Sales (JPY: bn)
Desiccant dehumidifier	16.4	15.0
VOC concentrator	6.4	6.2
Other	2.5	2.7

<Change factor analysis>

Declined due to decreased sales of desiccant dehumidifiers in China

FY2025 forecast

JPY 22.2 bn

Growth Business: Total engineering

Total of design, construction, and engineering businesses

FY2023

JPY 3.3 bn

FY2024

JPY 8.0 bn

Segment	2023 Net Sales (JPY: bn)	2024 Net Sales (JPY: bn)
Desiccant dehumidifier	2.0	4.5
VOC recovery equipment	0.9	3.3
Other	0.3	0.1

<Change factor analysis>

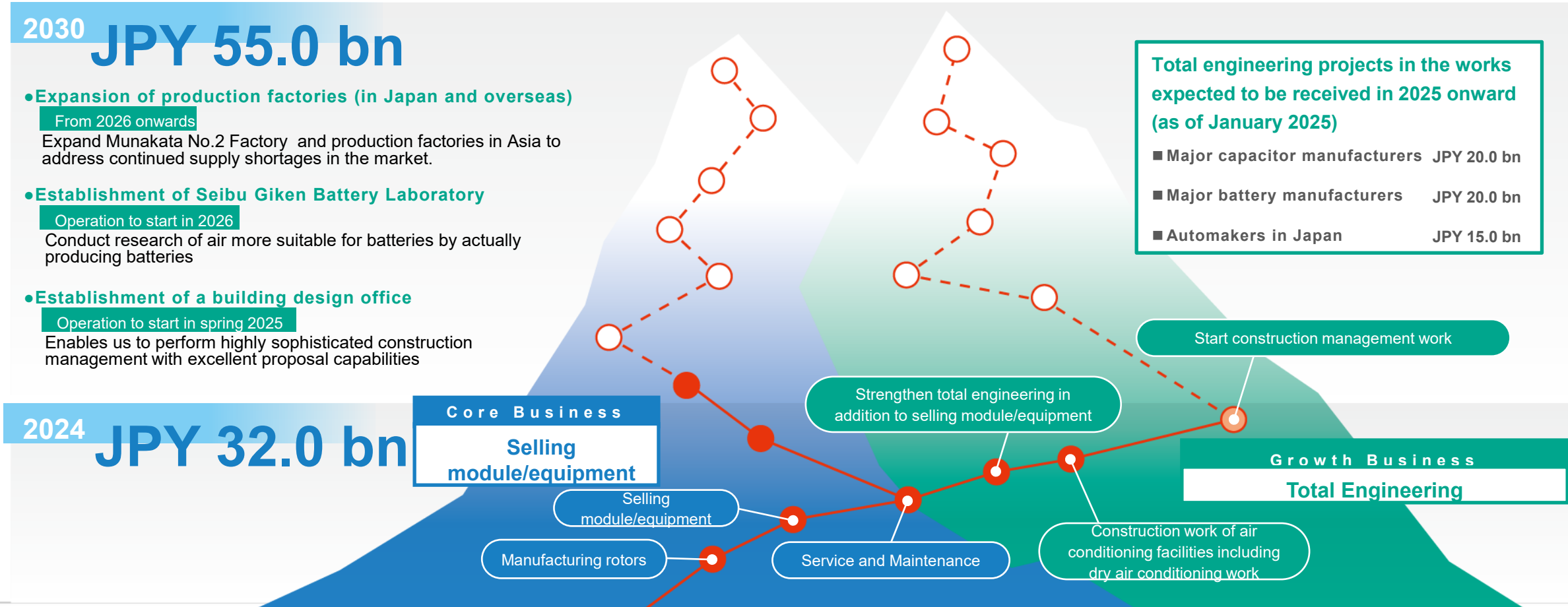
Total engineering business expanded into battery manufacturing and semiconductor industries both in Japan and overseas

FY2025 forecast

JPY 11.5 bn

Growth Strategy

Providing a total optimal environment for battery and semiconductor manufacturing processes
Combining the strength of our unique products with outstanding environmental engineering,
Seibu Giken provides the world with air solutions that only we can create!



Seibu Giken Total Engineering (1) -Lithium-ion battery manufacturing process-

—Energy is used to produce energy. We aim to resolve this contradiction (energy-reducing technology)—

Lithium burns intensely with a small amount of moisture. Therefore, the production process requires a dry environment.

Composition of energies
consumed for cell production

Consumption for coating drying/dry room is
80% or more

Process Energies of Lithium-Ion
Battery Cell Production

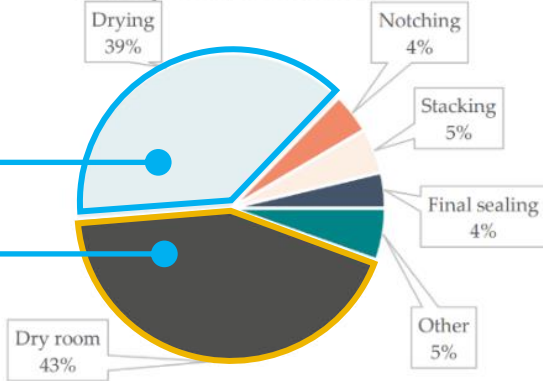


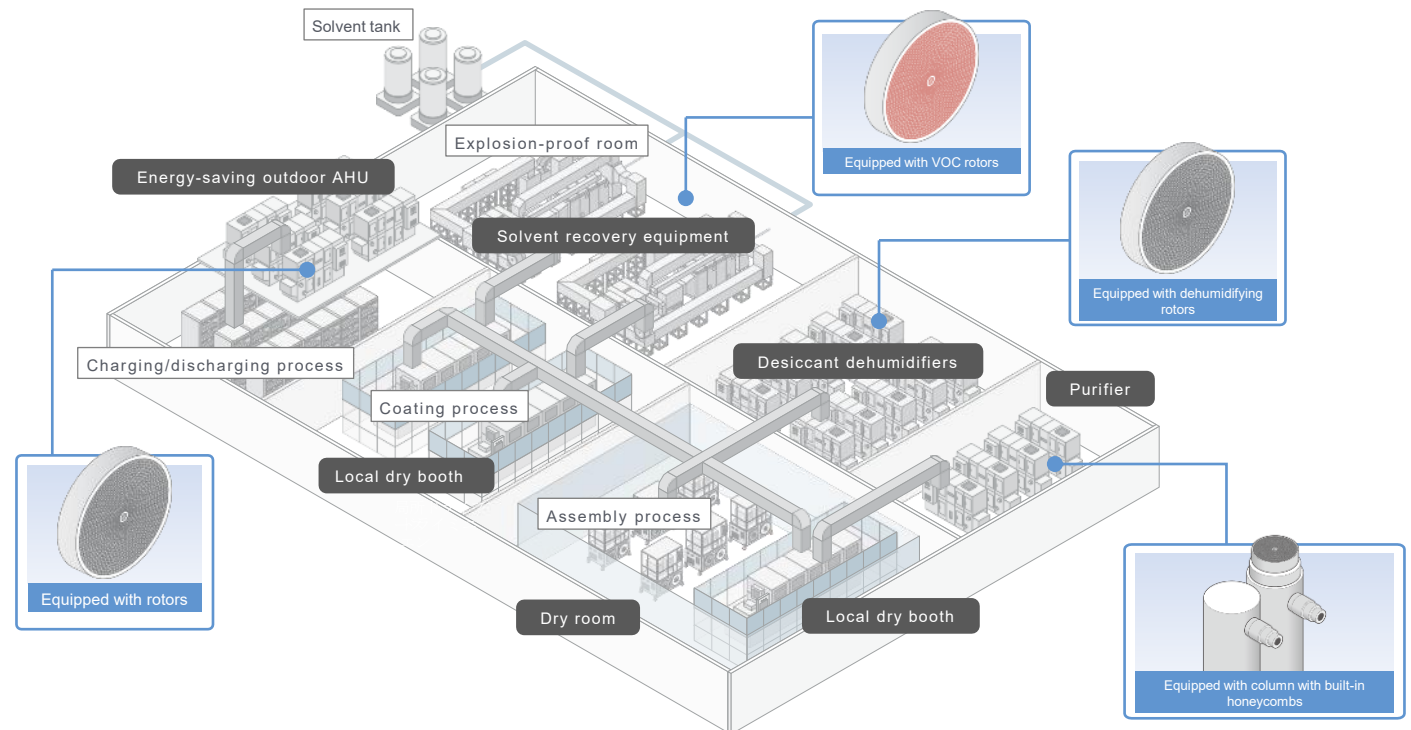
Figure 6. Circle diagram with different sources' energy contributions to the total cell production and battery pack assembly energy. Data from Yuan et al. (2017). The processes included in 'other' are: mixing, coating, calendaring, welding & sealing, LiPF₆ (electrolyte) filling, and pre-charging. It is clear here that running dry room equipment and NMP-drying are significantly larger contributors to process energy use than the sources.

出Source: "Lithium-ion Vehicle Battery Production Status 2019 on Energy Use, CO₂ Emissions, Use of Metals, Products Environmental Footprint, and Recycling" ivl & Swedish Energy Agency (2019)

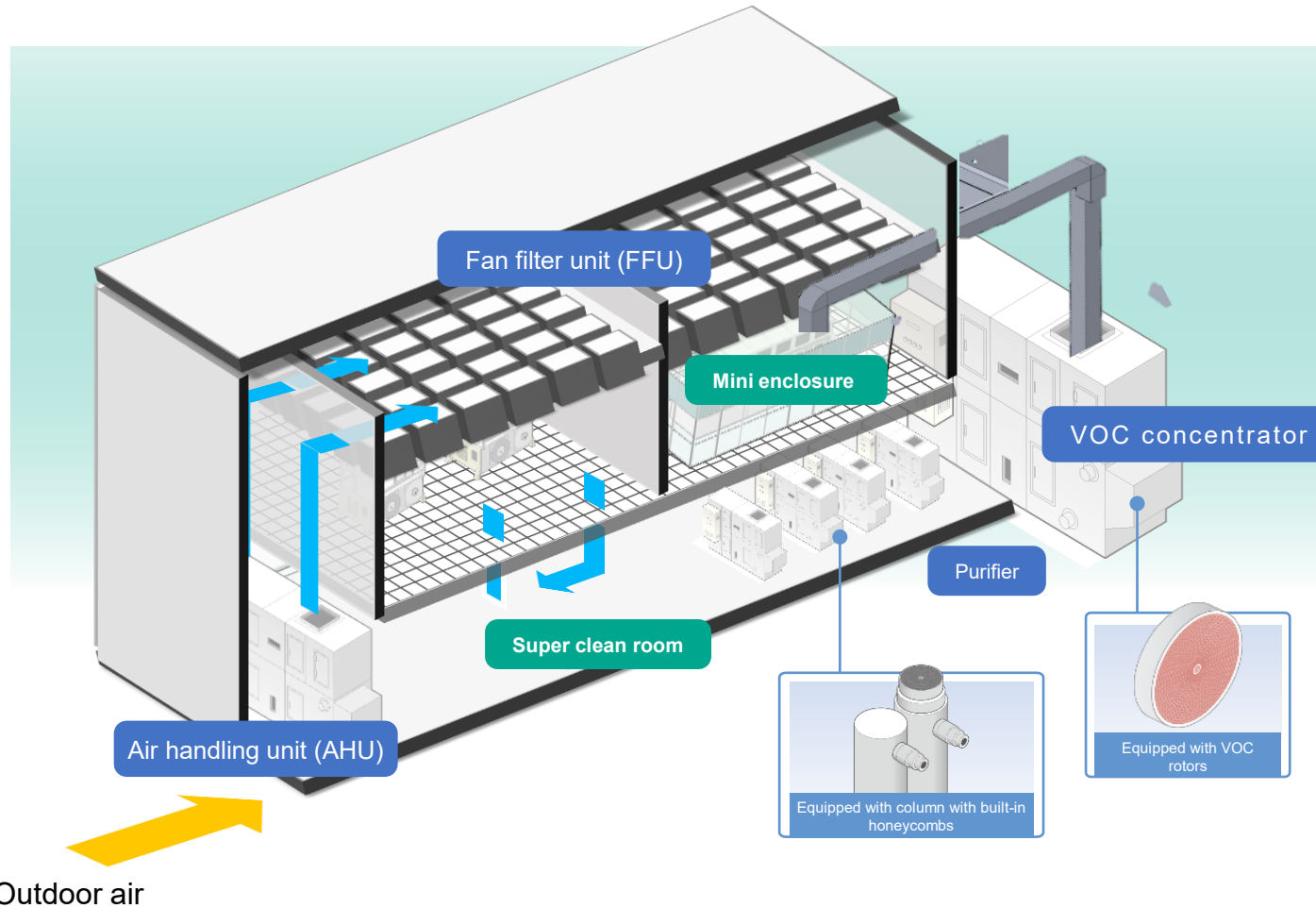
Largest issue for
production in Japan

In Japan, which depends on overseas energy resources, it is
essential to reduce production costs by reducing energy inputs

Seibu Giken's total engineering can **cut energy consumption** through proper
energy management



Creation of “Super clean room,” essential for semiconductor material manufacturing processes and various other fields



Created by air experts

Super clean room

Total engineering covering quality of air

Provide a total solution to create an optimal environment where cleanliness, temperature, and moisture concentration in a clean room are carefully and precisely managed according to the customer's needs

Next-generation air conditioning with reduced energy consumption

Under total engineering, energy generated from each device can be utilized and circulated efficiently, creating an energy-saving clean room in total, which cannot be easily achieved by ordering on a unit basis, to contribute to CO₂ reduction

Cash Allocation (2024-2026)

- Priorities are placed on investment to increase production capacity, improve productivity, and expand business areas for future growth
- Shareholder returns are principally based on dividends, and share buybacks are implemented in line with profit growth and capital efficiency

Capital Allocation Plan (3 years: FY2024-FY2026)

Operating Cash Flow
JPY 13.0 bn

Investing Cash Flow
JPY 6.0 bn or more

- Increase production capacity**
- Construction of a new dehumidifying rotor factory in Japan (approx. JPY 0.5 bn as additional costs)
- Improve productivity**
- Construction of a new sheet metal factory in China (approx. JPY 2.0 bn)
 - Consistent improvement of productivity (approx. JPY 2.0 bn)
- Invest to expand business domains**
- Investment to expand engineering business, etc. (approx. JPY 1.0 bn or more, including alliances and M&As)

Shareholder Returns
JPY 6.0 bn or more

- Target dividend payout ratio: 40% or higher
- Share buybacks:
 - Execute share buybacks in a flexible manner, taking into account capital efficiency, financial results, and capital conditions
 - JPY 2.0 bn planned during the current Medium-Term Management Plan period

Operating CF
JPY 13.0 bn

Investment for growth
JPY 6.0 bn or more

Shareholder returns
JPY 6.0 bn or more

New Product Launched

Atmospheric carbon dioxide (CO₂) concentration and supplying equipment for greenhouse



Benefits

- **Increase in yield** - Verified by test with strawberry cultivation in elevated beds
- **Reduce environmental impact** - Supply safe and clean CO₂ at normal temperatures without using fossil fuels
- **Easy to handle** - No fuel supply or gas replacement required as capturing CO₂ from the atmosphere. Easy installation.



May 2024: Exhibit at J AGRI KYUSHU
(Exhibit scheduled for 2025 as well)

Initiatives during the Medium-Term Management Plan 2024-2026

- Initiatives for Mass Production
- Initiatives for Cost Reduction
- Demonstration tests on plants other than strawberries (tomatoes, etc.) and plant factories (lettuce)

New business targeting agriculture (greenhouse)

Promoting C-SAVE Green® and energy-saving ventilator (Green Save), aim at generating JPY 1 bn in 2027

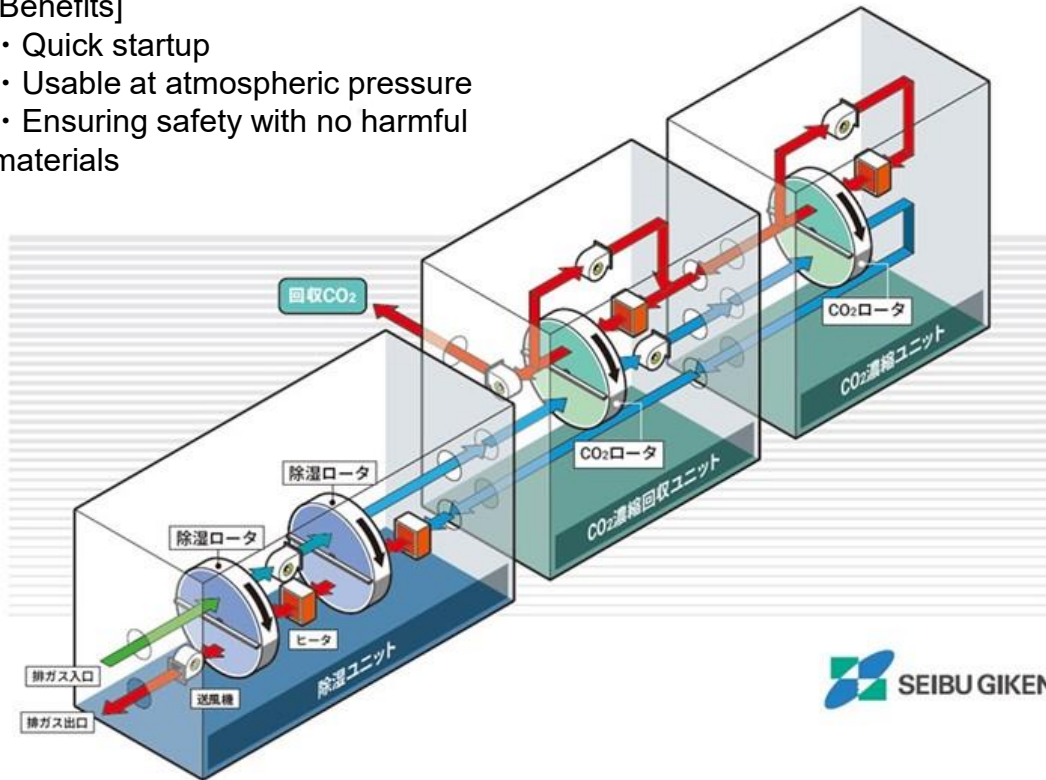
R&D: Technological development to reduce CO₂

C-SAVE CO₂分離回収装置

Concentrate CO₂ of low levels (about 10%) discharged from plants to medium (around 60%) to high concentration (over 90%) and recover.

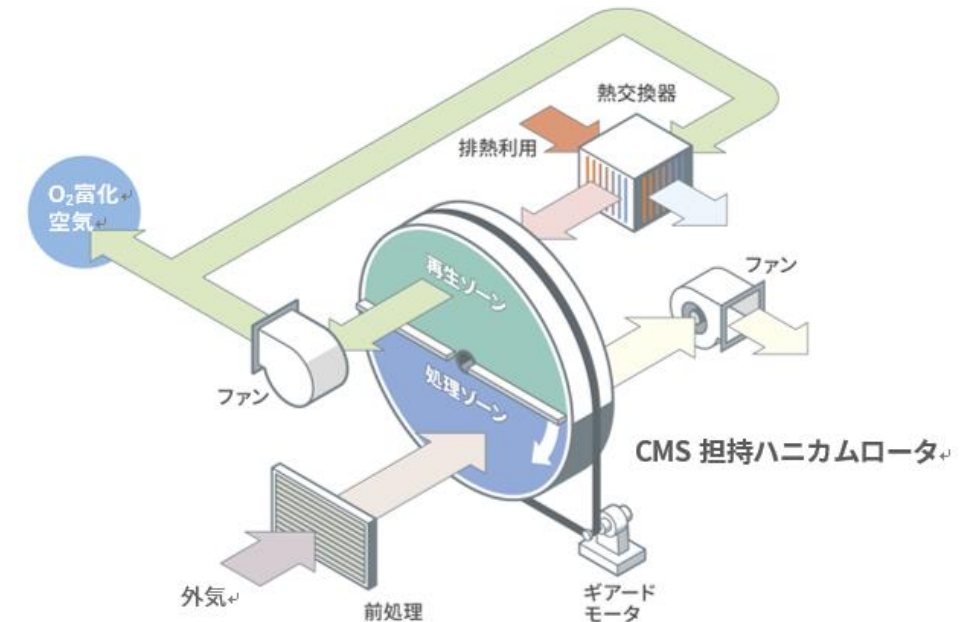
[Benefits]

- Quick startup
- Usable at atmospheric pressure
- Ensuring safety with no harmful materials



Development of oxygen concentrator

Leading research on direct enrichment of oxygen contained in air using a honeycomb rotor is being conducted in an industry-academia-government collaboration. By introducing air with a higher concentration of oxygen into the combustor, combustion efficiency can be improved and fuel input can be reduced, with the aim of reducing CO₂ emissions as a result.



Company overview / Business overview



Corporate Profile

Company name	Seibu Giken Co., Ltd.
Incorporation	July 1965
President	Fumio Kuma
Address	3108-3 Aoyagi, Koga-shi, Fukuoka, JAPAN
Number of employees	Non-consolidated: 392 Consolidated: 779 (as of December 31, 2024)
Business Activities	Developing, manufacturing, selling, and providing maintenance services for desiccant dehumidifiers and VOC concentrators, etc.
Group Subsidiaries	China - Seibu Giken (Changshu) Co., Ltd. - Seibu Giken DST China (Changshu) Co., Ltd. Europe - Seibu Giken DST AB (Sweden) - Seibu Giken DST Poland SP. ZO.O. North America - Seibu Giken America, Inc. - Seibu Giken DST America, Inc. - Seibu Giken & Kumyoung Environment, Inc. Korea - Seibu Giken Korea Co., Ltd. Thailand - Seibu Giken (Thailand) Co., Ltd. Others - Seibu Giken DR Engineering Co., Ltd.

Corporate Philosophy



By appreciating the originality and creativity of each individual's and simultaneously integrating them at every phase/dimension of development, we continuously create new value.

Group Philosophy

Purpose

Provide green air solutions for every environment.

Vision

To realize a climate-neutral future by being a leading innovator in air treatment technology.

Core Values

Achievement

Accomplish the decisions made to achieve the goals.

Unity

Work to build teams to achieve sustainable growth.

Exploring

Create new value by combining social trends with original technologies.

Collaboration

Respect diversity to maximize output.

Agility

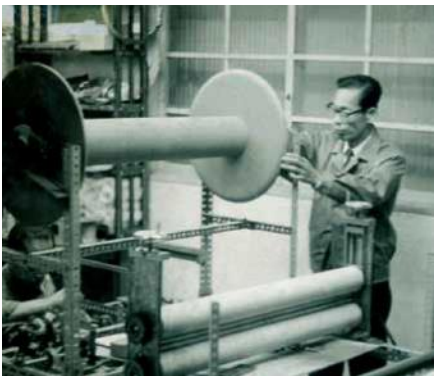
Take speedy action against unpredictable changes and unexpected problems.



Group History

1965~1983 Developed functional honeycomb forming technology

- ✓ In 1974, developed our honeycomb forming technology and commercialized the first enthalpy wheel in Japan
- ✓ Started supplying honeycomb rotors to equipment manufacturers



July 1965
Established Seibu Giken
Technology Research Co., Ltd

1984~1999 Introduced core products worldwide

- ✓ Commercialized desiccant rotor with silica gel in 1984
- ✓ Commercialized VOC concentration rotor with synthetic zeolite adsorbent in 1988



October 1993 
Acquired DST Sorption
Teknik in Sweden

2000~2009 Established integrated business from development, production to installation, after-sales service

- ✓ Started selling own brand's finished products in the 2000s
- ✓ Started business directly to contractors and end-users



July 2001 
Established SG America in the US
January 2007 
Established SG (Changshu) in
Changshu-city, China
February 2009 
Established DST China

2010~2019 Strengthened global sales network

- ✓ Established overseas offices to provide intensive support
- ✓ Started the system solution business from 2010

April 2012 
Established DST America
in the US

July 2013 
Established SG DST Poland

September 2019 
Established SG Korea

2020~ Expanding to advanced technology industries

- ✓ Targeting advanced technology industries such as rechargeable batteries and semiconductors
- ✓ Increasing production capacity to meet growing demands in China, EU, and the U.S.,



April 2022 
Munakata Factory built

Our Strengths 1. Core technologies

- Control the quality of air passing through honeycomb structure
- Provide solution to various problems in the customers' manufacturing/processing environment by adding functions to honeycomb structure

Technology of forming honeycomb structure

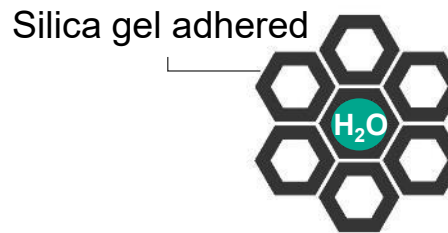
- Capable of processing various materials, e.g., tissues and aluminum sheet, to form honeycomb structure
- 3 benefits of the honeycomb structure:
 - 1) low pressure drop to air
 - 2) high strength
 - 3) a large surface area



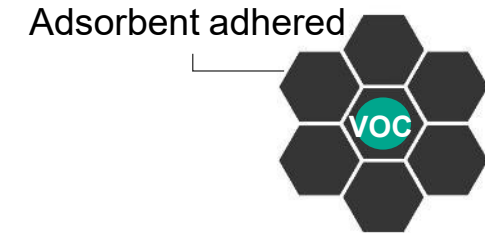
Technology of loading and supporting functional agents

- Add various functions by efficiently adding and supporting various functional agents such as catalysts, adsorbents, deodorizers, etc. to the honeycomb structure
- Apply to desiccant dehumidifiers, VOC concentrators, and total heat exchangers

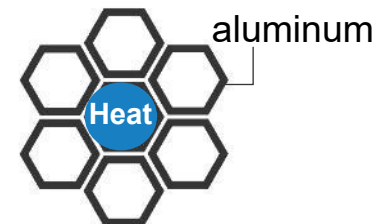
Dehumidifying



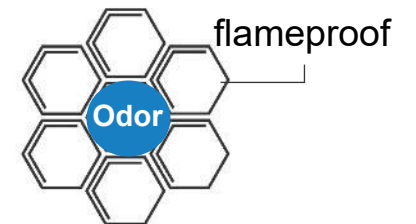
VOC adsorbing



Heat exchanging

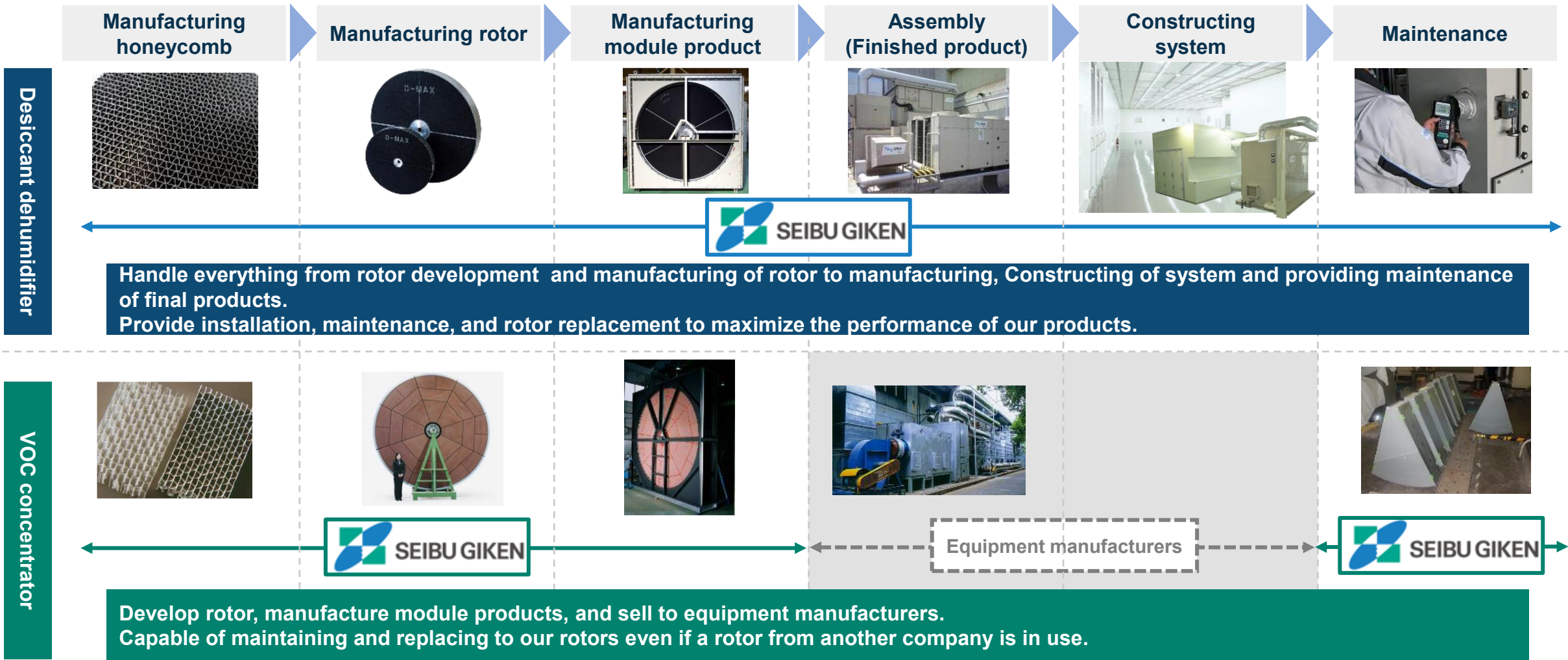


Deodorization



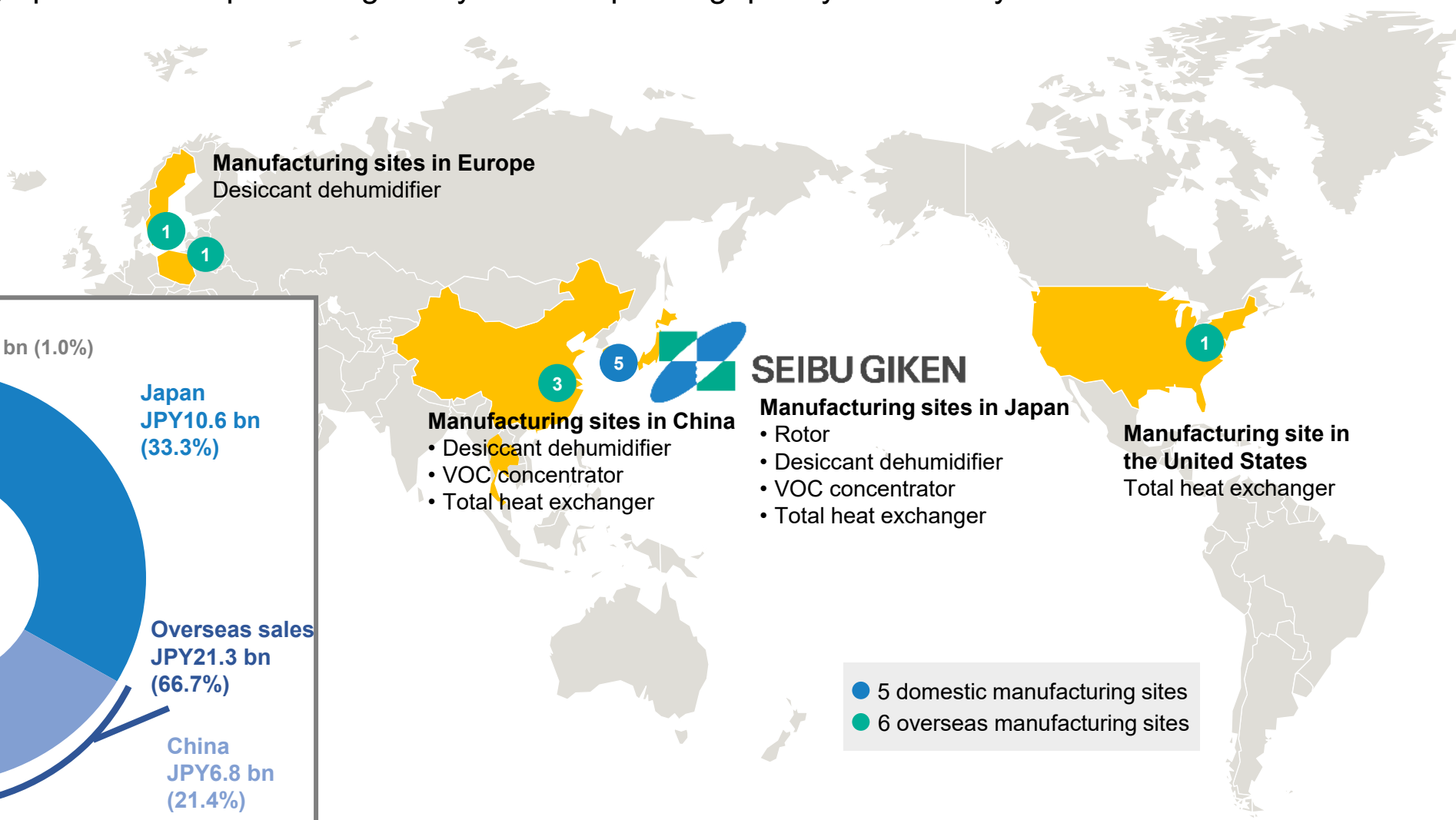
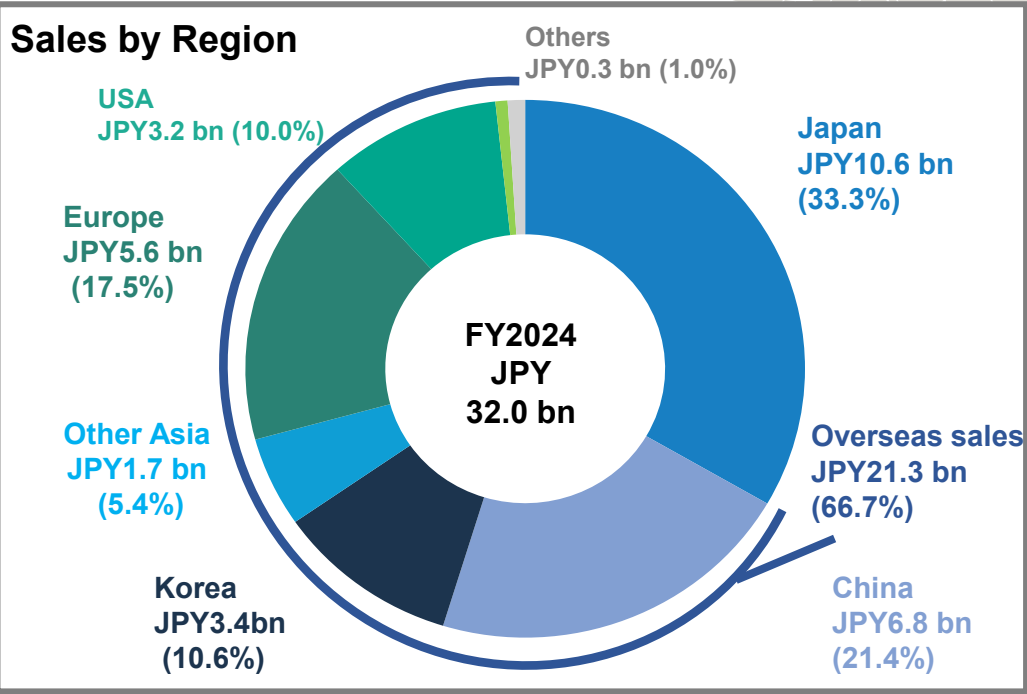
Our Strengths 2. Integrated business from development to after-sales service

- Strengthen our competitiveness in developing products and sales activities based on customer needs collected directly from our customers by providing the integrated business



Our Strengths 3. Global Network

- Rotor, the heart of our products, produced only in Japan and assembled at various manufacturing sites around the world
- Supply high-quality, high-performance products globally while responding quickly and flexibly to the needs of customers around the world



Our Strengths 4. Total Engineering

Seibu Giken creates the entire air environment of a manufacturing plant.

Sales of total engineering



Order value per project tends to increase due to expanded business scope

Future

Product-out + Market-in

- Consulting on architectural design with priority on a plant's production lines
- Architectural design and construction work through alliances with partner companies

Already received some orders for these types of projects as construction management work for 2025 onward

Present

Focusing on solution proposals

- Design and construction work of plant air environment including dry rooms utilizing existing products
- Capable of creating an all-in-one, well-coordinated, and optimal air environment with our own products

Past

Product-out

- Selling dehumidifiers, VOC removal equipment and other machinery
- Product-out business

*Construction Management (CM) work

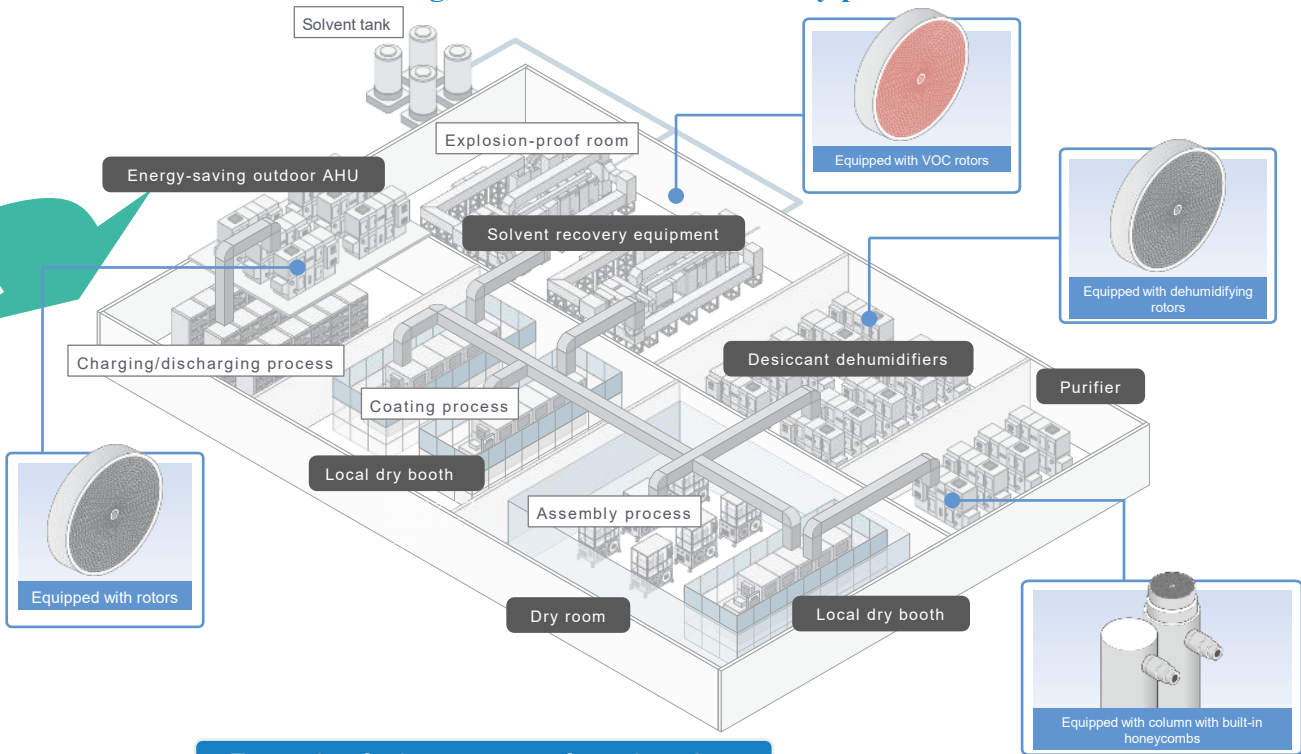
Refers to work in which, while maintaining technological neutrality, a construction manager acts in the contractee's interest at each step of the designing, ordering and construction process, performing all or a part of the management work such as design reviews and work order method reviews, process management, quality management, and cost management.

Lithium-ion battery manufacturing plant

Lithium metal burns intensely as it reacts with the moisture content in the air.

A dry environment where moisture in the air is reduced to extremely close to zero is essential for the manufacturing process.

Sole provider capable of offering total engineering covering consulting, design, manufacturing, and construction of battery production environment



Example of a battery manufacturing plant

Expand the scope of our business to cover design, equipment manufacturing, and construction work for production environments

Our Value Proposition (Terms and description) (1)

Term	Description
Desiccant dehumidifier	An absorption dehumidifier utilizing a dehumidifier rotor. Capable of more efficiently dehumidifying even in environments with low temperatures or low moisture levels in the air, compared with a cooling type dehumidifier.
VOC Concentrator (exhaust gas removal)	Volatile organic compounds (VOCs) are absorbed onto a VOC concentration rotor to detoxify exhaust gas containing VOCs. By concentrating low-concentration and high-volume VOC-containing exhaust gas, detoxification facilities including combustion equipment can be downsized, contributing to CO ₂ reduction and cost reduction through energy-saving.
VOC recovery equipment (solvent recovery)	VOCs are absorbed onto a concentration rotor to detoxify exhaust gas containing VOCs and exhaust is cooled and condensed with VOCs recovered as liquid. The recovered liquid is highly stable, lowering the purification load for recycling. This circulating energy-saving system contributes to energy efficiency and CO ₂ reduction.
Dry room	Offering a dry work space with a desiccant dehumidifier and enclosure. We offer integrated operation from the development and design of dehumidifiers to installation in rooms, thereby creating a highly efficient energy-saving system.
Mini enclosure (Dry booth)	Contributing to cost reduction resulting from space-saving by enclosing a limited area with production facilities, etc. In a dry booth (localized, high airtight enclosures and performing dehumidification), an environment meeting more demanding dehumidification requirements can be created within a dry room, etc.
Energy-saving outdoor AHU	An air conditioner that recovers the thermal energy of exhaust air with total heat exchange rotors and dehumidifies it with dehumidifying rotors, thereby enabling energy-saving outdoor air treatment.

Our Value Proposition (Terms and description) (2)

Term	Description
Circulating Nitrogen Purifier	Efficiently creating an environment with low oxygen and low moisture concentration through the combination of a purifier and dehumidifier.
Clean room	Offering an ISO-compliant clean environment (we can accommodate up to Class 1) to achieve the target cleanliness even when the equipment is in operation.
CO ₂ concentration and supply equipment	Contributing to increased harvests by concentrating CO ₂ in the air and supplying it to plants through Direct Air Capture (DAC) technologies.
Total engineering	Total provision of all or part of the proposal, designing, manufacturing, construction and other processes of a system to create an optimal manufacturing environment.
Construction management	While maintaining technological neutrality, a construction manager acts in the contractee's interest at each step of the designing, ordering, and construction process, performing all or a part of the management work such as design reviews and work order method reviews, process management, quality management, and cost management.
Fan filter unit (FFU)	Equipment installed within the ceiling to supply clean air to maintain the cleanliness of a clean room
Air handling unit (AHU)	An air conditioner that takes in outside air and supplies air internally after adjusting the temperature, humidity, etc.