

Furukawa Electric Group Progress of the 2022-2025 Medium-term Management Plan (2025 Mid-term Plan)

May 21, 2025 Hideya Moridaira President Furukawa Electric Co., Ltd. Road to Vision 2030 -Transform and Challenge-



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Projections of future sales and earnings in these materials are "forward-looking statements."

Management offers these projections in good faith and on the basis of information presently available.

Information in these statements reflects assumptions about such variables as economic trends and currency exchange rates.

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- Changes in exchange rates of the U.S. dollar, euro, and Asian currencies.
- Furukawa Electric Group's ability to respond to rapid advances in technology.
- Changes in assumptions involving financial and managerial matters and the operating environment.
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Agenda

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- CAPEX and R&D expenses
- 6) Toward the achievement of Vision 2030

Appendix

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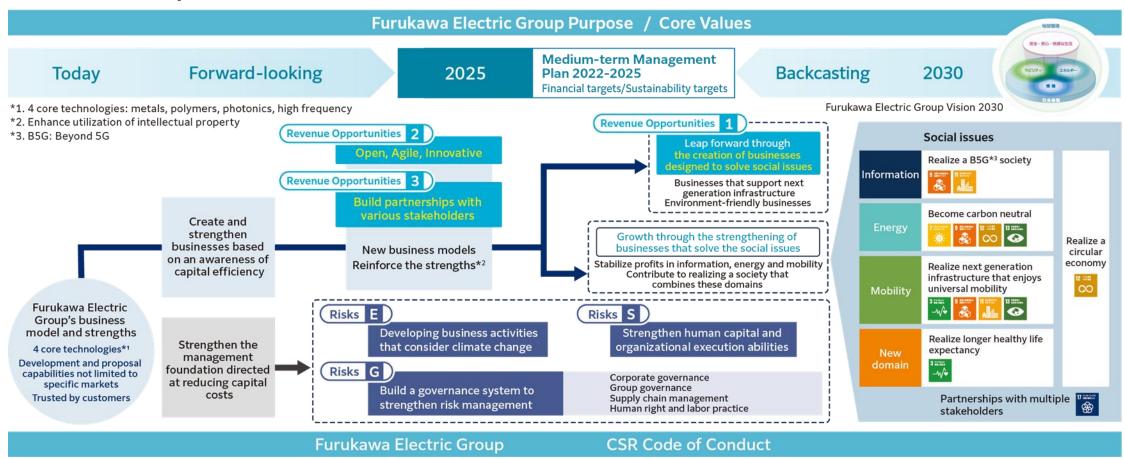
1) Introduction (Overview)

Overall image of the 2025 Mid-term Plan



The 2025 Mid-term Plan has been set forth as a milestone toward realizing Vision 2030

■ Value creation process directed at 2030



Progress of the priority measures



Making steady progress in achieving the priority measures

Furukawa Electric Group Vision 2030

Today

Forward-looking

2025

2022-2025 Medium-term **Management Plan**

Backcasting

2030



Maximize revenues in existing businesses through a focus on capital efficiency

Restructuring the organization and Capital policy Rapidly growing data center market

Focus on the data center market

Priority measures

Build a foundation for creating new businesses by strengthening development and proposal capabilities

Build a foundation for creating new businesses **Extract the key focus themes** and accelerate growth

Accelerate directed toward commercialization

Strengthen the foundation for **ESG** management

Reducing cost of capital

Continue the initiatives

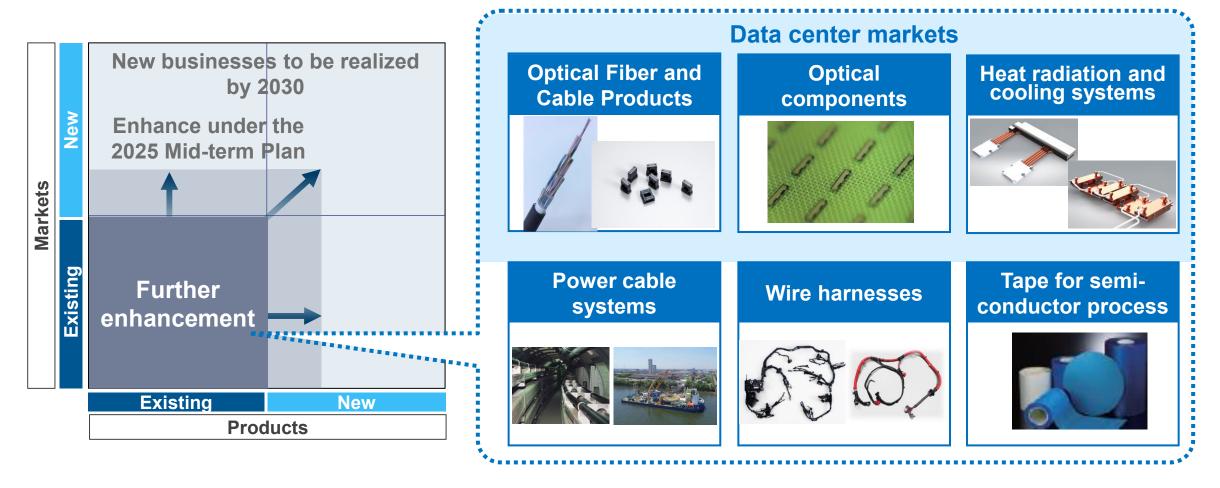
2) Maximizing profits in the existing businesses through a focus on capital efficiency

Progress and future initiatives



Making steady progress in the initiatives for each business through the capital policy and reorganization.

Driving revenue growth in the data center market



Progress and future initiatives Data center market (Optical Fiber & Cable Products and Optical Components)



Main business strategy

- Concentrate on the data center market (receiving orders-sales expansion)
- Shift to high value-added products and solutions business, acceleration of technology development and enhancing production capacity

Main current initiatives and progress

- Strengthening sales, expanding product lineup
- Convert Hakusan and Furukawa FITEL optical components into subsidiaries, establishment of Lightera

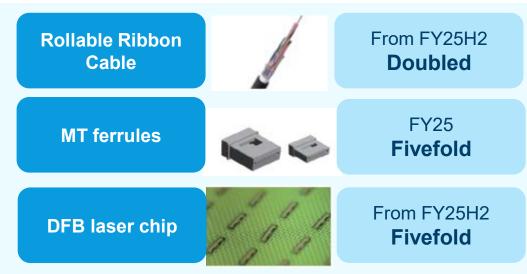
Future initiatives

- Continued promotion, enhancing production capacity, and expanding product lineup
- Development to mass production of IOWN*-related products

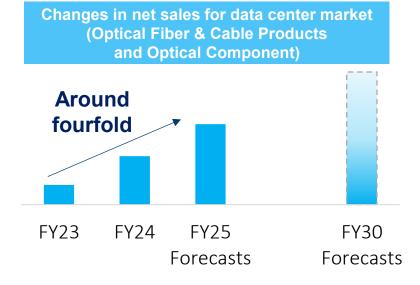
Including hollow-core fibers, multi-core fibers, and DFB laser chips for external light sources, etc.

* Innovative Optical and Wireless Network

Manufacturing Capacity (Compared to FY23)



Continuing to strengthen and optimize supply capabilities in line with market growth

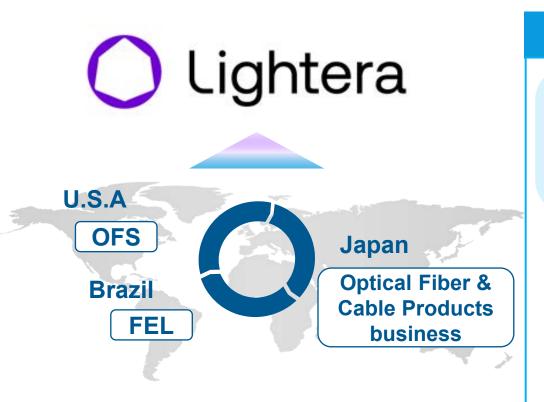


Reorganization of the Optical Fiber & Cable Products business 4



April 2025 Iaunch "Lightera", new corporate structure has been initiated

To enhance operational efficiency, expand business scale, and strengthen market
presence, we have integrated Optical Fiber & Cable Products business (Japan), OFS
(North America and Europe) and FEL (Latin America)



Differences between the former and new organizational structures

Global business expansion and acceleration of innovation



Pursuing business optimization by region

Matrix organization comprising four regional businesses (NAR, LATAM, EMEA, APAC) and cross-functional headquarters



Three-division structure:
Furukawa Electric (parent company) and regional subsidiaries

Progress and future initiatives Data center market (heat radiation and cooling systems)



Main business strategy

 Develop and distribute high performance, well-differentiated products that respond to high heat generated by CPU and GPU

Main current initiatives and progress

- Net sales for data centers grew by 3.5 times compared to FY22 centered on air-cooling heat sinks
- Progress made toward entry into the water-cooling system
- Shifting to 100% clean energy

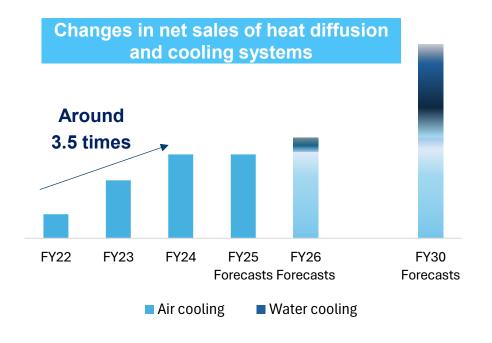
Future initiatives

- Ongoing co-creation with customers (air cooling, water cooling, and immersion cooling)
- Mass production at the water-cooling facility to begin in September 2026





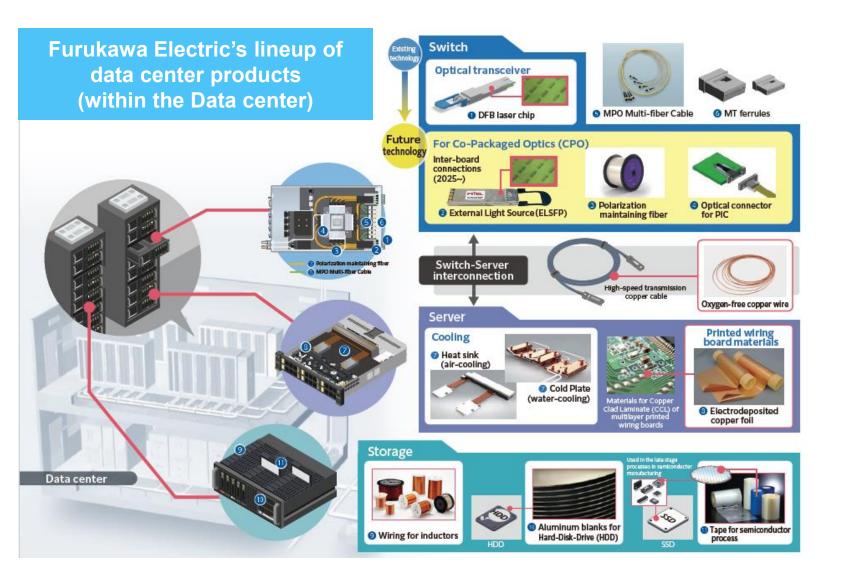
FTL (Philippines) water-cooling products plant



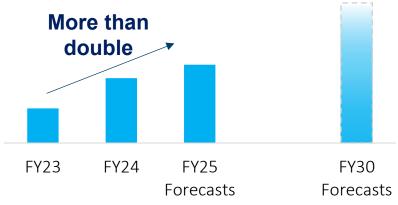
Progress and future initiatives Data center market (company-wide)



Aiming to expand earnings in the growing data center market



Changes in net sales for data center market



Progress and future initiatives





Main business strategy

Grow the business through investments in the target domains*, and also manage the business with a focus on capital efficiency

* Power cable for Japan extra-high voltage underground, renewable energy submarine, underground and Asia submarine

Main current initiatives and progress

- Secure orders with a focus on profits (increasing the share of target segments)
- Investment in renewable energy submarine power cable
- Develop technology for floating wind power and direct current (DC) transmission systems

Future initiatives

- Increasing cable manufacturing and installation capacity, and efficiency
- Demonstration and commercialization of next-generation floating wind power and direct current (DC) power systems

Wire harnesses

Power cab

systems

 Grow the business and increase profits through expansion of aluminum adoption and high voltage products that respond to vehicle electrification

- Number of vehicle models equipped with aluminum wire harnesses has increased as planned
- Making progress in product development of high voltage products
- Establish systems that are more adaptable to production fluctuations

- Continuing promotion of aluminum adoption
- Advancing business continuity planning (BCP) initiatives
- Accelerating manufacturing automation

Tape for semiconductor

- · Secure a stable supply system
- Strengthen high performance and high value-added products
- Open the second AT plant at the Mie Works
- Proactive development of advanced process technologies
- Secured customer certifications and commenced delivery of high-performance and high-value-added products
- Start mass production at the second AT plant at the Mie Works (April 2025)
- Increase sales of products for advanced processes
- Expand the lineup of new products

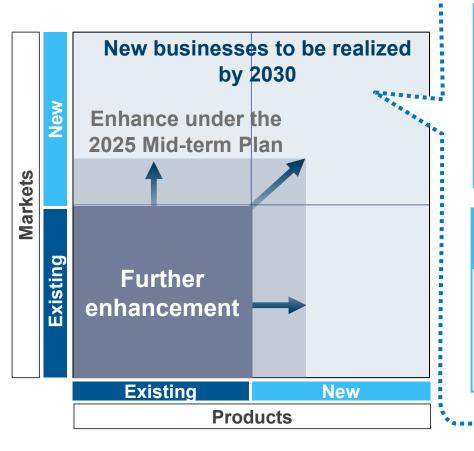
3) Building a foundation for creating new businesses by strengthening development and proposal capabilities

Progress and future initiatives

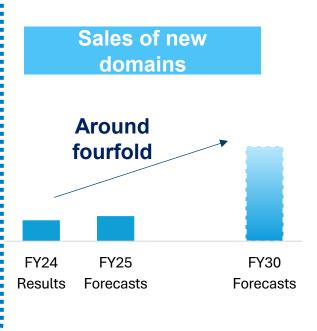


Making progress in building a foundation for creating new businesses

- ➤ Establishment of the Social Design & New Business Development Department to promote market-oriented business development (enhancing incubation capabilities)
- Proactive utilization of capital alliances and M&A







Key focus themes in new domains (1/2)



Life sciences



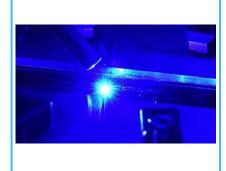
Main current initiatives and progress

- Promoting co-creation with medical device manufacturers by leveraging shape memory alloys and optical technologies
- Integration of MFOPTEX as a subsidiary (secure manufacturing capabilities)
- Obtained ISO 13485 Certification (acquisition of medical device design and development capabilities)

Future Activities and Vision

 Leveraging our design, development, and manufacturing capabilities in compliance with medical device QMS standards and transforming into a Contract Development and Manufacturing Organization of medical device manufacturers by utilizing our core technologies - optical fibers, lasers, catheters, guidewires, and balloons

Laser applications



- Established a new joint laboratory "CELL" with Nichia Corporation in Kariya
- Compact stationary units utilizing Infrastructure Laser[®] adopted in the railway segment following demonstration tests

- Integrated Infrastructure Laser[®] into the industrial laser business to enhance customer appeal
- Accelerating co-creation with customers through the CELL joint lab
- Expanding product portfolio to accelerate broad market deployment

Key focus themes in new domains (2/2)



Main current initiatives and progress

Superconductor



- Accelerating development and mass production of high-temperature superconducting wires
- Invested in Tokamak Energy to drive fusion market expansion
- Strengthening coil business

Future Activities and Vision

- Strengthening partnerships to accelerate the development of the superconducting applications market
- Expanding sales through the development of high- and low-temperature superconducting wires for fusion reactor applications

Green LP gas



 Commenced construction of a bench plant in Hokkaido to demonstrate a green LP gas production process aimed at commercialization by 2030

- Launched field demonstration using locally produced biogas in Hokkaido (FY2025)
- Commenced construction of a demonstration plant for production testing
- Expanding business domains through strengthened partnerships

Business/product development towards achieving Vision 2030 🚓



By achieving Vision 2030 and embodying the Purpose, we will address a wide range of social issues.

Composing the core of a brighter world.

Furukawa Electric Group Purpose

Vision 2030

Create global infrastructure combining information, energy and mobility

Advance information, and solve energy related problems



Challenge new domains that will create indispensables for people and society

•Laser applications
(Infrastructure laser®、BRACE®)

Medical components/devices(NT wire, optical probe, laser devices)

Phase 2

Phase

Phase

3

Contribute to realization of a sustainable society through energy management (Increase data center performance and respond to EV)

- •Submarine/ underground cable for renewable energy, power cable for widearea interconnections
- ·Green LP gas
- Superconductor

- •Photonics-electronics convergence (ELS, membrane modulator)
- High voltage wire harness/connector
- High voltage components/junction box

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- Larger capacity data centers, and expansion of energy-saving solutions that support this trend
- Preconnectorized cable*(RR cable + MT ferrule)
- ·DFB laser chip
- * Cable with connector

- ·Heat sink
- Tape for semiconductor process
- Aluminum blanks for HDD
- Copper foil for high frequency circuit boards

4) Strengthening the foundation for ESG management

Progress and future initiatives - overview



Making steady progress of initiatives for reducing the cost of capital

*1 Scope1,2

*2 including Scope3

Vision in 2025 Mid-term Plan

Main current initiatives and progress

Future initiatives

Ε

Formulate a plan directed at achieving carbon neutrality in 2050 – Implement and establish activities

- GHG emission reduction ratio*¹ is exceeding the Environmental Targets 2030
- Revised the Environmental Vision 2050, and declared the intent to aim for net zero in 2050*2

- Strengthen initiatives toward achieving net zero*2 in 2050
- Promotion of circular economy and natural capital-related activities

S

Enhancing organizational capabilities through optimal talent placement, fostering individual growth and improving employee engagement

- Set forth the Purpose and the initiation of employee engagement survey
- Strengthen human capital management and organizational execution abilities

- Advancing Purpose-driven management, continuing engagement surveys
- Continue to strengthen human capital management and organizational execution abilities

G

Enhancing corporate governance and group governance, strengthen supply chain management system

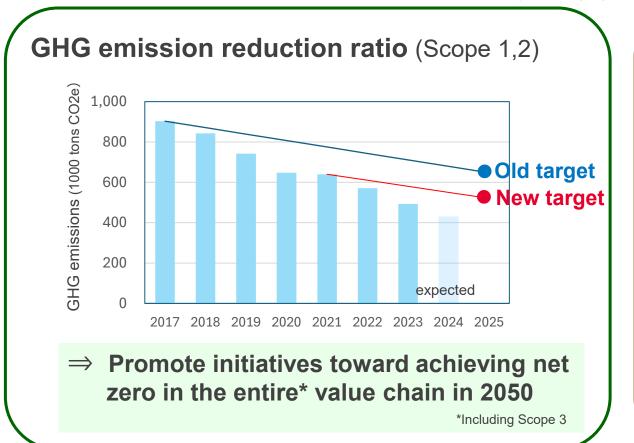
- Introduction of sustainability indicators and targets
- Promotion of human rights risk management
- Termination of parent-subsidiary dual listing
- Incorporation of ESG performance in executive remuneration

- Transition to a "Company with an Audit & Supervisory Committee" (enhance corporate governance)
- Strengthen human rights risk management
- Enhance enterprise risk management

Progress and future initiatives _ Main sustainability indicators and targets



- GHG emission reduction ratio (Scope 1, 2) is proceeding ahead of the target
- Employee engagement scores did not achieve the target in FY2024
- Incorporate both indicators in executive remuneration (Incorporated GHG emission: from FY2023, Employee engagement scores: from FY2025)

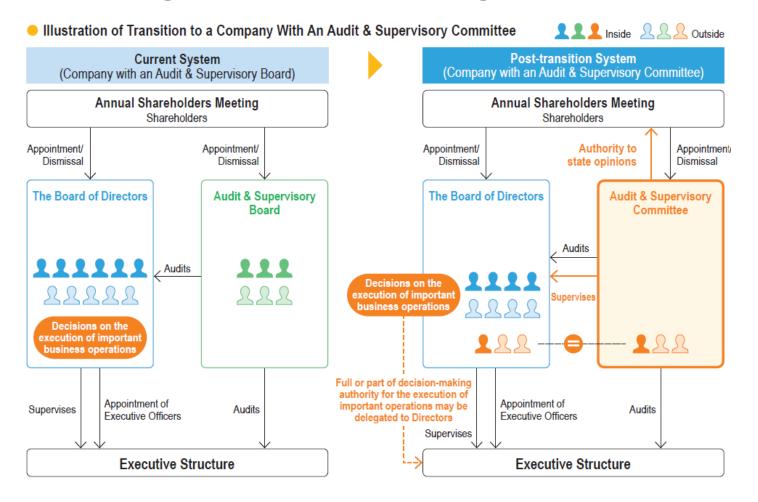




Changes the institutional design



Planned transition to a company with an "Audit and Supervisory Committee" following the resolution at the general shareholders' meeting in June



Transition highlights

- Separation of execution and oversight
 - Accelerating decision-making, strengthening business execution capabilities
- Majority of directors are independent outside directors
 - Strengthening the supervisory function of the board of directors

5) Management targets (financial targets) and allocation of management resources

Progress and future initiatives



Advance the initiatives aimed at increasing corporate value, and make steady progress in the quantitative management targets (financial targets)

Main current initiatives and progress

Generate free cash flow

Improve capital efficiency

- Institutionalization of key management indicators (FVA*), and increase the profitability of existing businesses
- Advance the initiatives for optimizing the business portfolio

Optimize the cost of capital

Realize an optimum capital structure

Reducing interest-bearing debt/improve financial strength

Shareholder returns

Continue to issue a dividend in accordance with the basic policy

Improve corporate governance

Reduce cross-shareholdings, termination of parentsubsidiary dual listing

Increase the expected growth rate

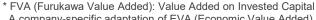
Growth strategy

Strengthen investment in the key focus domains

Future initiatives

Continue the initiatives for increasing corporate value

- Accelerating investments in the key focus domains, utilizing capital partnerships, M&A, etc. and realization of non-linear business growth
- Ongoing optimization of the business and product portfolio in response to the evolving business environment
- Continued strengthening financial structure (reduce the debt redemption period)
- Continued reduction of strategic shareholdings



Progress of the financial targets



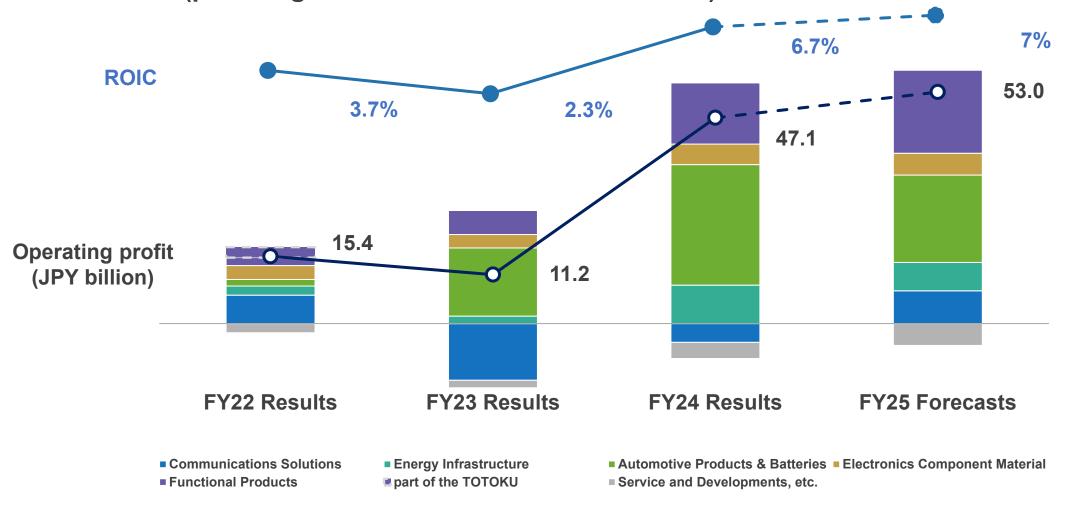
	FY22 (Results)	FY23 (Results)	FY24 (Results)	FY25 (Forecasts)	FY25 (Mid-Term targets announced in May 2022)	
ROIC (after tax)	3.7%	2.3%	6.7%	7%	More than 6%	
ROE	5.5%*	2.1%	10.0%	10%	More than 11%	
Net D/E ratio	0.9	0.9	0.7	0.7	Less than 0.8	
Capital ratio	32.3%*	33.3%	34.6%	38%	More than 35%	
Net sales	JPY1,066.3 billion	JPY1,056.5 billion	JPY1,201.8 billion	JPY1,200.0 billion	More than JPY 1,100.0 billion	
Operating profit	JPY15.4 billion	JPY11.2 billion	JPY47.1 billion	JPY53.0 billion	More than JPY 58.0 billion	
Net income attributable to owners of the parent	JPY15.9 billion*	JPY6.5 billion	JPY33.4 billion	JPY36.0 billion	More than JPY 37.0 billion	
Average copper price (JPY/Kg)	1,209	1,262	1,478	1,335	1,085	
Average exchange rate (JPY/USD)	135	145	153	140	110	

^{*}Restated only the FY22 financial results following the start of voluntary application of the International Financial Reporting Standards (IFRS) at the equity method affiliate UACJ Corporation (Refer to the Appendix for details)

Progress of the financial targets Operating profit by segment



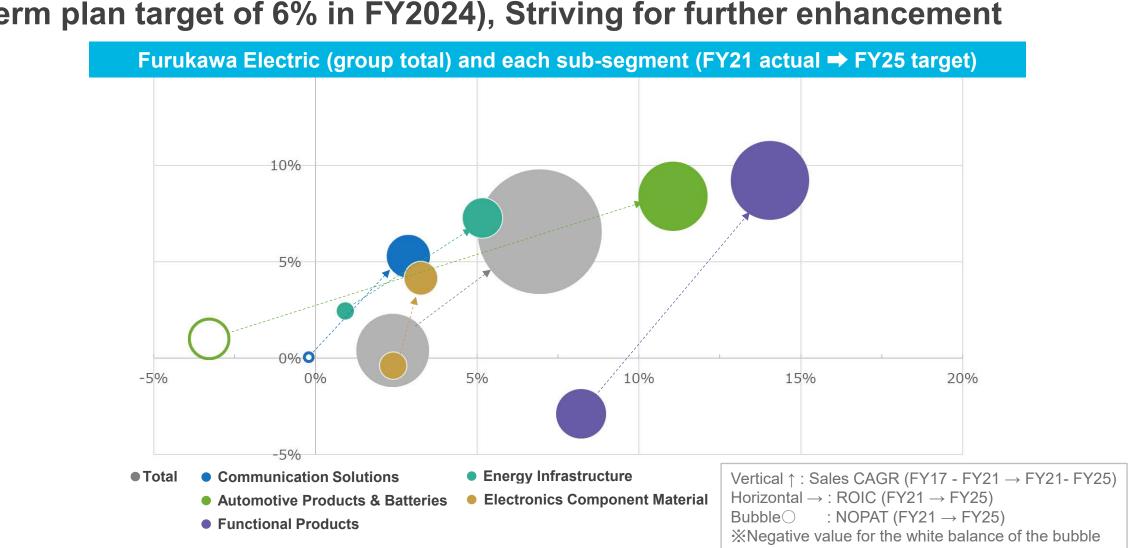
Growth driven by Automotive Products & Batteries, and Functional Products; profitability improving in Communications Solutions; aiming for further growth through new businesses (pursuing the achievement of Vision 2030)



Progress of the financial targets _ROIC by segment



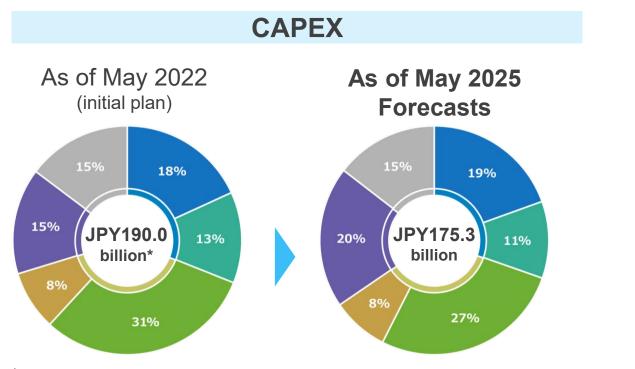
Improving capital efficiency (ROIC (company-wide) exceeded the 2025 midterm plan target of 6% in FY2024), Striving for further enhancement

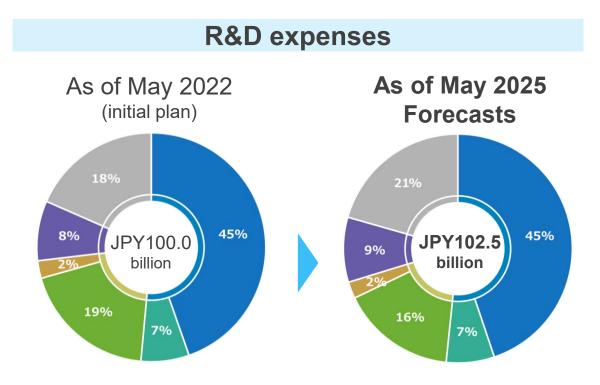


CAPEX, Depreciation & Amortization and R&D Expenses 2025Mid-term Plan (FY22 - FY25 total)



Proactive investment in key focus domains and review of timing and specifications Further prioritizing investment and R&D in key focus domains





- Communication Solutions
 Energy Infrastructure
 Automotive Products
 Batteries
 Electronics Component Material
 Functional Products
- Service and Developments, etc.

^{*}Revised to JPY180.0 billion in May 2023

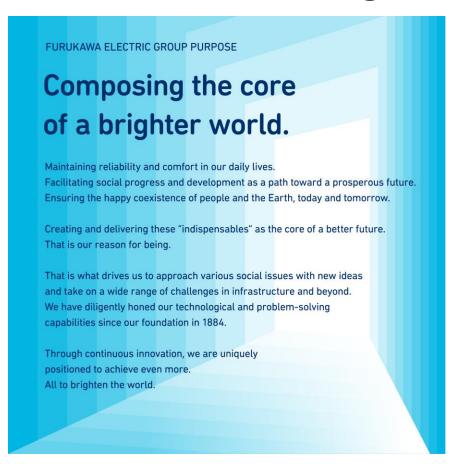
6) Toward the achievement of Vision 2030

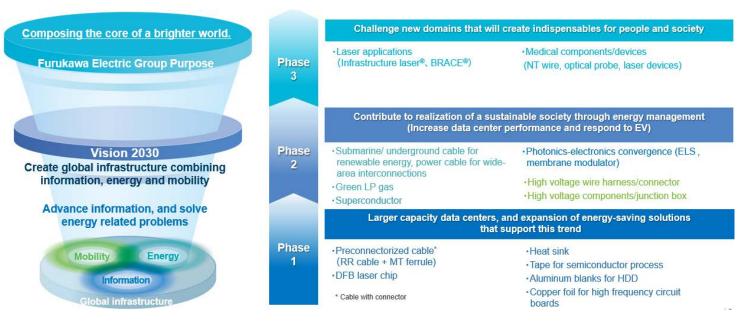
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Toward the achievement of Vision 2030



In March 2024, established Furukawa Electric Group Purpose Our purpose serves as the foundation for business value creation, enabling us to realize continued growth





Thank ou

FURUKAWA ELECTRIC GROUP PURPOSE

Composing the core of a brighter world.

Supplementary Information (Appendix)

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Appendix: Sustainability indicators and targets



In fiscal year 2024, the engagement score and the proportion of women in managerial positions did not meet their respective targets. We remain committed to achieving these objectives by the final year of our medium-term management plan

		FY24 Results	FY24 Targets	FY25 Targets
Create businesses that solve social issues				
Sales ratio of environmentally friendly products	Consolidated	74.0%	68%	70%
Open, Agile, Innovative / Build partnerships with various stakehold	ers			
R&D expense growth rate for new businesses (compared to FY21)	Consolidated	133%	125%	125%
Implementation rate of IP landscaping for strengthening the businesses and themes for creating new businesses	Consolidated	100%	100%*1	*2
Develop business activities that consider climate change				
GHG emissions reduction rate (Scope1,2) (compared to FY21)	Consolidated	(33)% (expected)	(14.0)%	(18.7)%
Ratio of renewable energy use to total consumption	Consolidated	40% (expected)	25%	30%
Strengthen human capital management and organizational execut	ion abilities			
Employee engagement scores	Consolidated	72	77	80
Ratio of female managers	Non- consolidated	5.4%	6%	7%
Ratio of career track hiring among total new staff hiring (managers, generalist, specialist)	Non- consolidated	54.4%	30%*3	30%*3
Build a governance system to strengthen risk management				
Ratio of follow-up on risk management activities for all risk domains	Consolidated	100%	100%	100%
Ratio of SAQ implementation based on the CSR Procurement Guidelines for major suppliers	Consolidated	84%	70%	100%
Implementation rate of human rights training for managerial positions	Consolidated	100%	100%*4	100%*4

^{*1} All initiatives associated with the themes defined in 2022 have been fully implemented

^{*2} FY2025 will mark the transition from planning to the execution of specific business activities

^{*3} Maintain around 30% in each fiscal year

^{*4} Maintain 100% in each fiscal year

Appendix:

Revisions to the business portfolio during the 2025 Mid-term Plan period, including main reorganization of the businesses



	Timing (including when planned)	Main objective
Sale of shares of Furukawa Battery Co., Ltd.	2025 H2 (scheduled)	Corporate governance reform
Acquired shares of Fujitsu Optical Components Limited	April 2025	Growth strategy
Reorganization of metal wire business	April and October 2025	Profitability improvement
Reorganization of global optical fiber and cable products business	April 2025	Growth strategy and profitability improvement
Capital and business alliance with Metro Weather Co., Ltd.	February 2025	Growth strategy
Sold shares of Fuji Furukawa Electric Engineering & Construction Co., Ltd. (by share exchange with Fuji Electric Co., Ltd.)	February 2025	Improve capital efficiency
Acquired shares of Hakusan Inc.	January 2025	Growth strategy
Conversion of MFOPTEX Co., Ltd. to consolidated subsidiary	October 2024	Growth strategy
Decided to withdraw from the reflow tin plating business	July 2024	Capital efficiency improvement
Partial sale of shares of UACJ Corporation	June 2024	Capital efficiency improvement
Transfer of interest in Essex Furukawa Magnet Wire LLC	April 2024	Capital efficiency improvement
Investment in Tokamak Energy	January 2024	Growth strategy
Sale of shares of TOTOKU ELECTRIC CO., LTD.	December 2022	Corporate governance reform
Integration of manufacturing of general-purpose electric wires for the construction and electric sales markets into Showa Furukawa Cable Co., Ltd.	July 2022	Profitability improvement

Appendix Net Sales and Operating Profit by segment



4																		
(JPY bilion)		FY22 results		FY23 results			FY24 results		FY24 results (after restatement)*1		FY25 forecasts				FY25 targets (announced on May 26, 2022)			
	Net Sales	Operating profit	Margin	Net Sales	Operating profit	Margin	Net Sales	Operating profit	Margin	Net Sales	Operating profit	Margin	Net Sales	Operating profit	Margin	Net Sales	Operating profit	Margin
Infrastructure	323.9	8.6	2.7%	278.2	2 (11.3)	(4.0%)	309.4	4.5	1.5%	309.1	5.8	1.9%	375.0	14.0	3.7%	360.0	0 16.0	4.4%
Communications Solutions	217.6	6.5	3.0%	168.0	0 (13.0)	(7.7%)) 178.5	5 (4.3)	(2.4%)	167.0	(4.0)	(2.4%)) 235.0	7.5	5 3.2%	230.0	0 11.5	5.0%
Energy Infrastructure	106.3	2.1	2.0%	110.2	2 1.7	1.6%	130.9	8.9	6.8%	142.1	9.8	6.9%	6 140.0	6.5	4.6%	130.0	0 4.5	3.5%
Electronics & Automotive Systems	610.3	4.7	0.8%	653.7	7 18.7	2.9%	736.4	32.3	4.4%	736.4	32.6	6 4.4%	640.0	25.0	3.9%	590.0	0 23.5	4.0%
Automotive Products & Batteries	337.4	1.5	0.4%	379.8	3 15.6	4.1%	6 409.5	27.4	6.7%	409.5	5 27.6	6.7%	6 345.0	20.0	5.8%	330.0	0 16.5	5.0%
Electronics Component Material	273.0	3.2	1.2%	273.9	9 3.1	1.1%	327.0	4.9	1.5%	327.0	5.0	0 1.5%	6 295.0	5.0	1.7%	260.0	0 7.0	2.7%
Functional Products※	126.5	4.2	3.3%	115.4	4 5.5	4.8%	6 147.0	14.0	9.5%	147.0	14.1	9.6%	6 185.0	19.0	10.3%	165.0	0 19.5	11.8%
Service and Developments, etc.	31.7	7 (2.1)	(6.6%)	31.6	6 (1.9)	(6.0%)	33.8	3 (3.6)	(10.7%)	34.8	8 (5.4)	(15.4%)) 40.0	0 (5.0)) (12.5%)	40.0	0 (1.0)	(2.5%)
Total (Including Eliminations, etc.)	1,066.3	15.4	1.4%	1,056.5	11.2	1.1%	1,201.8	47.1	3.9%	1,201.8	47.1	3.9%	1,200.0	53.0	4.4%	1,115.0	0 58.0	5.2%
%Reference																		
Functional Products (Excluding special factor ^{*2})	114.2	1.8	1.6%	115.4	4 5.5	4.8%	6 147.0	14.0	9.5%	147.0	14.1	9.6%	4 185.0	19.0	10.3%	143.3	3 15.3	10.7%

^{*1} Changes to segments and sub-segments, as well as partial changes to head office expenses allocated from FY25. As a result, actual results for FY24 were restated

JPY/kg, JPY/USD	FY22	FY23	FY24	FY25 forecasts	FY25 (May 26, 2022)
Average copper price	1,209	1,262	1,478	1,335	1,085
Average exchange rate	135	145	153	140	110

[•] Industrial laser business will be transferred from the Infrastructure segment (Communications Solutions) to the Service & Developments, etc. segment

[•] Metal power cable business will be transferred within the Infrastructure segment (from Communications Solutions to Energy Infrastructure)

^{*2} Deconsolidation of the TOTOKU from FY22Q4

Appendix: Shareholder returns

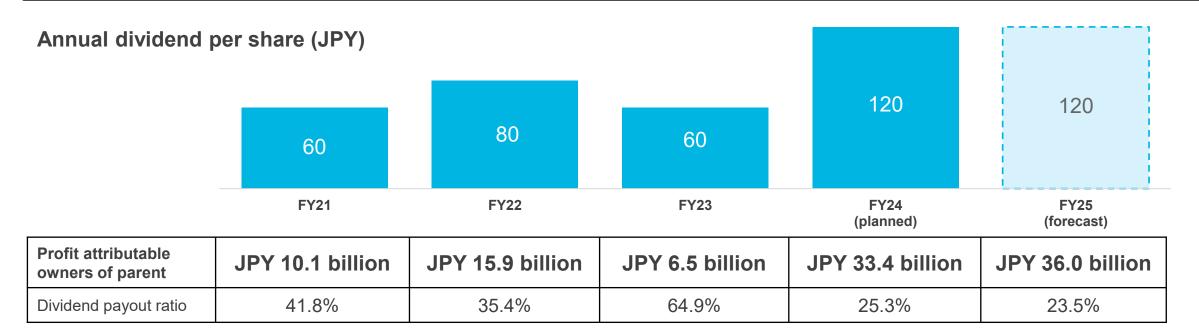


Basic policy on shareholder returns

The Company's basic policy is to provide stable and continuous returns to shareholders and to link dividend payments to business performance, with a target of 30% of profit attributable to owners of parent

Dividends in FY24 and FY25

- Planned to issue a dividend of JPY 120 per share in FY24
- Forecast to issue a dividend of JPY 120 per share in FY25



Appendix Segments and Business Divisions



Segment	Sub-segment	Business Division		
	Communications	Optical Fiber and Cable Products		
	Communications Solutions	FITEL Products		
Infrastructure	Coldions	Broadband Solutions Business		
	Energy Infrastructure	Power Cable		
	Energy initastructure	Industrial Cable & Power Cable Accessories		
	Automotive Products	Automotive Products		
Electronics & Automotive	& Batteries	Batteries		
Systems	Electronics Component	Electric Conductor		
	Material	Copper & High Performance Material Products		
		AT & Functional Plastics		
Functional Products		Thermal Management Solution & Products		
T diletional r roddets		Memory Disk		
		Copper Foil		
Service and Developments, etc.				