



Furukawa Electric Group Medium-term Management Plan 2022~2025 (2025 Mid-term Plan)

Road to Vision 2030 -Transform and Challenge-

President & CEO Keiichi Kobayashi

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FURUKAWA ELECTRIC CO., LTD.

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- 3. Numerical management targets and allocation of management resources
- 4. Strengthen the foundation for ESG management

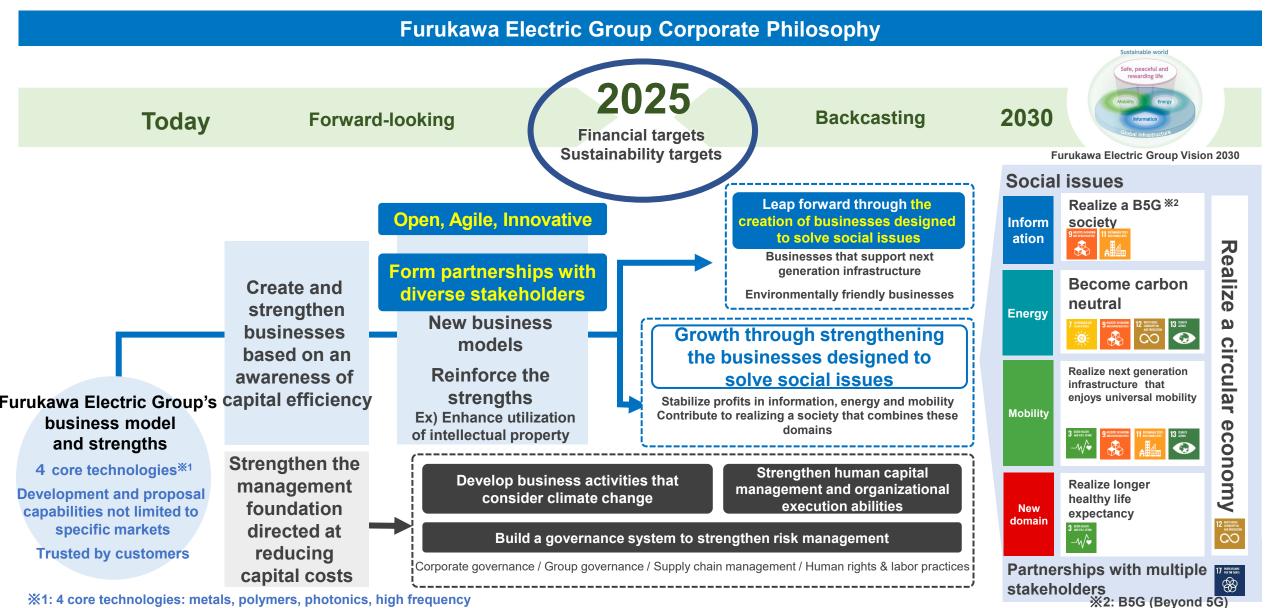
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1. Vision 2030 and positioning of 2025 Mid-term Plan Value creation process directed at achieving Vision 2030





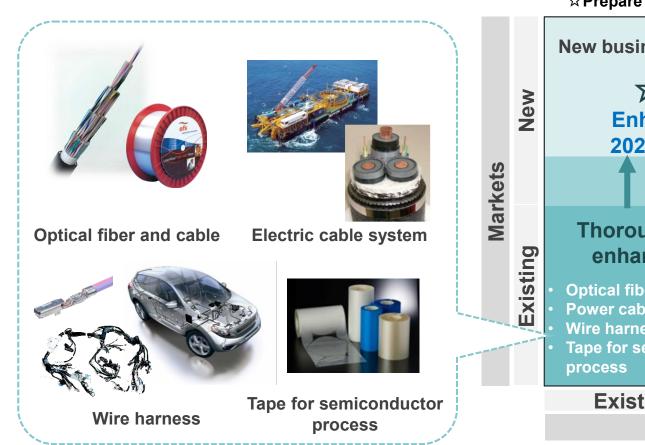
Forward-looking

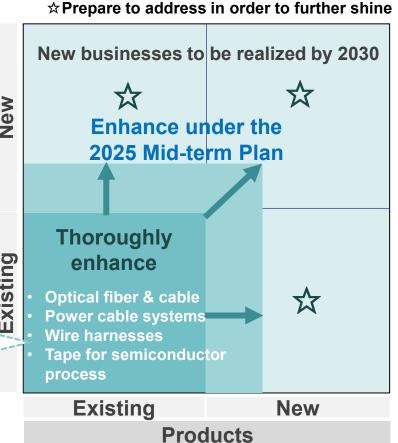
Maximize profits in existing businesses through a focus on capital efficiency directed at 2025

Build a foundation for creating new businesses by 2030

Backcasting

2030







Furukawa Electric Group Vision 2030

1. Vision 2030 and positioning of 2025 Mid-term Plan Medium-term changes in the external environment



The external environment is rapidly changing on many fronts, and although there is increasing risk that responding incorrectly may be fatal, the range of social issues Furukawa Electric can contribute to is growing

Politics

- ► Increased awareness of ESG/SDGs as a core pillar of corporate management Accelerated initiatives for realizing a carbon neutral
- ► Globally increased political divisions

 Further confrontation between nations will have a major impact on global affairs

society

Society

- ► New lifestyles
 Prolonged responses to COVID-19, work style reforms, 100 year life expectancy
- ► More frequent natural disasters and increased damage

More severe natural disasters, and increased demand for renewing social capital

► Changing concept of "mobility"

Evolution of digital technology, and changing concept of mobility for people, goods and information

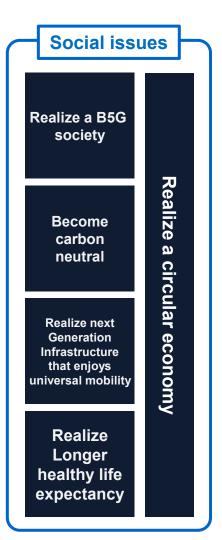
Economy

- ➤ Shrinking markets in Japan
 Zero growth and shrinking labor market due to the aging and declining population
- ► Growth in emerging markets such as Asia
 Emerging countries will continue rapid growth, and some countries will face fiscal weakness
- ► Unwinding of extremely loose monetary policies
 Reversal of monetary policies in response to inflation,
 and rising interest rates

Technology

- ► Rapid advances in DX
 Level of engagement in DX will influence the competitive position of companies
- ➤ Widespread implementation of 5G, and advances in CASE based on that foundation

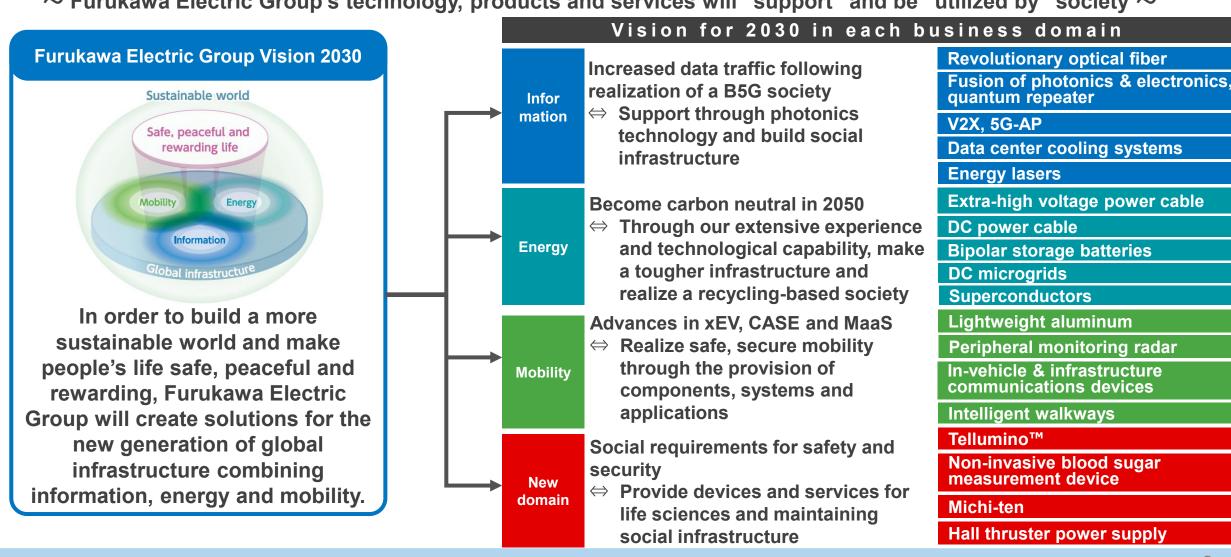
 Ultra-high speed telecommunications, multiple simultaneous connections and ultra-low latency Increased demand for electric power, and expansion of operations beyond traditional industry borders





Create new value with customers as partners, and solve social issues

~ Furukawa Electric Group's technology, products and services will "support" and be "utilized by" society ~



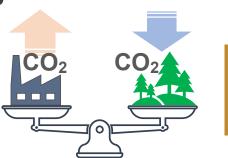
Contribute to realizing a circular economy by continuing to invest management resources in creating new value

Become carbon neutral throughout the supply chain

Realize a circular economy in concert with others



Collaboration in concert with partners through sympathy with the ecosystem





- I. Designed to not generate waste materials or pollution
- 2. Can continue using the products and materials
- 3. Restores the natural systems



1. Vision 2030 and positioning of 2025 Mid-term Plan Telecommunications: Realize a B5G society

Fusion of photonics & electronics

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Vision 2030

Increased data traffic following realization of a B5G society **⇔** Support through photonics technology and build social infrastructure Leap forward through the creation of businesses designed to solve social issues

Communications + expansion into non-communication fields



V2X·5G-AP







Realize a B5G society Data center cooling systems

2025 Goal

Realize growth by strengthening the businesses designed to solve social issues

Expansion of networking systems (solutions)

Optical fiber Ultra-high count, multi-core Rollable Ribbon cable





Optical semiconductor chips for telecommunications

Quantum repeater



(Semiconductor laser for optical communication)

Next generation PON technology Virtual router



PON / router

Data center cooling solutions Support the growing semiconductor demand



Heat sink for

data center

Tape for semiconductor process



Aluminum blanks (for HDD)

Today

Business developments leveraging metals, polymers, photonics and high frequency (wireless)

1. Vision 2030 and positioning of 2025 Mid-term Plan Energy: Carbon neutral



Vision 2030

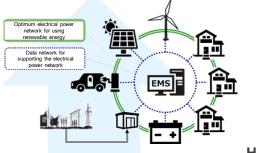
Become carbon neutral in 2050

⇒ Through our extensive experience and technological capability, make a tougher infrastructure and realize a recycling-based society

Leap forward through the creation of businesses designed to solve social issues







Microgrids



High temperature superconducting materials for nuclear fusion





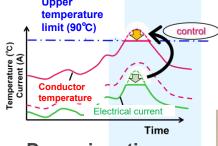




Realize carbon neutral

2025 Goal

Realize growth by strengthening the businesses designed to solve social issues



Dynamic rating



Power cable for offshore wind power

Extra-high voltage power cable



Renewable energy Lead-acid battery for cycle-use



Bipolar lead storage batteries

Today

In the field of renewable energy, strengthen the MONOZUKURI capabilities with a focus on "connection technology"

1. Vision 2030 and positioning of 2025 Mid-term Plan Mobility: Enjoy universal mobility



Vision 2030

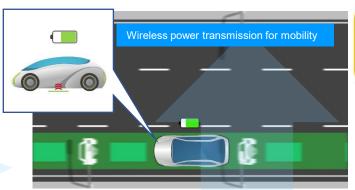
Advances in xEV, CASE and MaaS

⇔ Realize safe, secure mobility through the provision of components, systems and applications

Leap forward through the creation of businesses designed to solve social issues



Support for safety and autonomous driving



Wireless power transmission



Next generation urban planning









Realize next generation infrastructure that enjoys universal mobility

Intelligent pedestrian walkway

2025 Goal

Realize growth by strengthening the businesses designed to solve social issues



Aluminum wire harness



Peripheral monitoring radar



SRC



BSS® High voltage components





Sensor Green trough

High performance troughs

Today

Mainly supply wire harnesses and components to four-wheel vehicle manufacturers

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	Approach to solving the issues	Main products and services
Communications Solutions	 High value added optical fiber and cable Build optical network infrastructure and provide robust solutions High output, high efficiency, concentrated light sources 	 RR cable ·Submarine / specialty fibers ·Fusion splicer Networking system (solutions business) Semiconductor lasers for optical communication High output fiber lasers for industrial use
Energy Infrastructure	 Power cable systems for renewable energy Develop next generation infrastructure for the aging society Build a tough social infrastructure 	 Submarine and underground power cable for renewable energy Extra-high voltage underground power cable (reduce project time and manpower) Aluminum conductor CV cable ·Plug-in connectors
Automotive Products & Batteries	 Environmentally friendly products for vehicle electrification, lighter weight and energy management Advances in danger detection 	 Aluminum wire harnesses ·BSS® High voltage harnesses and wiring components Lead-acid batteries SRC ·Peripheral monitoring radar
Electronics Component Materials	 Products with excellent thermal properties, and products that decrease vehicle weight and increase fuel efficiency Materials for supporting electric vehicles, ADAS equipped vehicles and next generation telecommunications networks 	 Copper alloy strips for connectors Aluminum alloy wire for harnesses Bondable wire for in-vehicle ECUs Thin diameter magnet wire for inductors used in telecommunications infrastructure
Functional Products	 Products for building high speed, high capacity, low latency telecommunications networks Products that contribute to efficient energy use 	 Tape for semiconductor process Heat dissipation / cooling products Aluminum blanks for HDD Electrolytic copper foil for printed wiring boards / batteries

(Optical fiber and cable) Increase sales of high value added products and accelerate the expansion of the networking systems business



Realize a B5G society

Business environment

- Medium to long-term growth of optical fiber demand
- CAGR + 5% (Estimate by Furukawa Electric)
- · Continued global expansion of FTTH/5G
- Continued infrastructure investment in North America
- Improved supply/demand balance
- Diversifying customer requirements
- Low cost, energy saving
- Multi-core, high fiber count
- Easy installation and design flexibility
- Short delivery lead times, improved customer service
- Low unemployment rate and rising wages (North America)

Business strategy Growth markets and strengths of the products / technology ⇒ Increase sales of high value added products Triple sales of rollable ribbon cable North America optical cable sales FY20 FY21 FY22

Strengths of the business model developed in **Central & South America** ⇒Expand the networking systems business Focus on America, Europe and Asia, and increase sales by 30% FY22 FY25

Initiatives for realizing the strategy

Continue to increase productivity and reduce costs

Respond to growing demand in North America and Europe markets

Increase sales of specialty fibers

Enhance R&D and partnerships

- For submarine cable
- Non-telecommunications fields (Energy transmission, sensing, aerospace and medical)

Strengthen cooperation within the group

- Unify and promote the brands
- Consolidate / expand the product portfolio
- Strengthen sales and marketing



- 2. Create and strengthen businesses designed to solve social issues
- (1) Maximize profits in existing businesses through a focus on capital efficiency directed at 2025

Energy Infrastructure

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[Power cable systems]

Leverage the group's strengths to secure profit growth and medium to long-term business growth









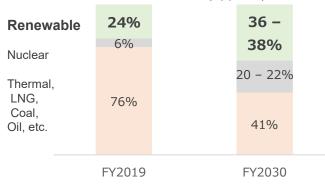
Realize a carbon-free society

Realize tougher infrastructure Realize a recycling-based society

Business environment

- ☐ Medium to long-term market growth in Japan
- Carbon neutral by 2050 Launch of offshore wind projects Start of wide-area DC interconnection projects
- Increase resilience of the power grid Continued trunk line renewal

Power source (approx.)



Source: Review of energy supply and demand in FY2030 (related document) Issued in October 2021 by the Agency for Natural Resources and Energy

Insufficient installation capacity at the market

Business strategy

Establish a business base in the target domains ⇒ Leverage the strengths to grow profits

Japan extra-high voltage underground cable

...Increase grid resilience, secure stable electricity supply Renewable energy (submarine / underground cable)

...Extensive experience and technological capability

Overseas (Asia) submarine cable

...Respond to demand for high quality infrastructure

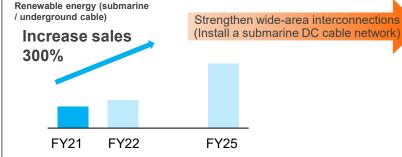
Respond to offshore wind power and wide-area interconnections

⇒ Secure medium to long-term business growth

Triple sales in FY2025, and achieve further growth in 2030

2021

Further installation of offshore wind power



Secure orders and profits in the target domains

Initiatives for realizing the strategy

Increase cable manufacturing capacity

Double capacity in FY2025 (compared to FY2017)



Increase installation capacity

Double capacity in FY2025 (compared to FY2017)



Promote technology development

- DC / extra-high voltage cable and components
- NEDO / GI Fund projects (high voltage dynamic cable, TLP floating structures, submarine cable laying vessels)

Strengthen the renewable energy / **DC** business

Intangible sales:

Provide project support services (planning, operation, maintenance)

- 2. Create and strengthen businesses designed to solve social issues
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Automotive Products & Batteries

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Realize next generation infrastructure that enjoys universal mobility

(Wire harness)

Expand the business, increase profitability and promote redundancies /

resilience in the supply chain

Business environment

- Increased customer needs for lighter weight
 - Accelerated shift to EV in response to the trend toward carbon neutral



- Demand assumption: CAGR of
 - +4 5% (Estimate by Furukawa Electric)
 - Impact of the semiconductor shortage is expected to remain ongoing until FY23
- Continued supply chain issues
 - Further BCM related requirements from customers
 - Soaring transportation expenses will remain prolonged

Business strategy Maintain superiority in aluminum harnesses

Expand the harness business and increase profitability
Reap the benefits from the investments in increased
production

Aluminum wire harness use Expand from 56 models of 6 manufacturers in the end of FY21 to 100 models of 8 manufacturers in FY25



Promote redundancies/ resilience in the supply chain

Enhance the supplemental production systems at multiple sites

Bridge production, optimized production network
Secure "strategic space"

Reduce required manpower and space through automation

Initiatives for realizing the strategy

Secure orders and make α terminals the defacto standard

Promote awareness of the superiority and reliability

- Integrated production from the aluminum casting to cable manufacturing and laser machining of the terminals
- High corrosion resistance of the α terminals



Prepare a response for next generation wiring systems (from FY25)

Logistics response

Secure multiple logistics routes and containers

Appropriate inventory response

Consider BCM and reestablish appropriate inventory levels in partnership with customers

- 2. Create and strengthen businesses designed to solve social issues
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Automotive
Products &
Batteries

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(Bipolar lead storage batteries)
Contribute through safe, long-life, low cost, recyclable batteries









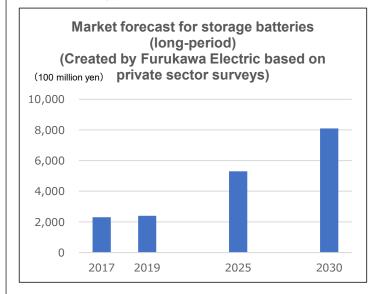
Realize a carbon-free society

Realize tougher infrastructure

Realize a recyclingbased society

Business environment

- Rapid growth of the storage battery market
 - Increased installation of renewable energy



[Customer requirements]

- Safe, longer life, easily recycled
- Minimize total life cycle costs

Business strategy

Strength in safe, long-life, low cost, recyclable

⇒ Play a leading role in the renewable energy / long-period market

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Step 1: Quickly commercialize products

Step 2: Expand the business through KOTOZUKURI

Medium to long-term sales growth



Initiatives for realizing the strategy

Provide samples and definitely launch mass production

Participate in local government Project* (FY22)

※"EV-Centered Urban Development Project" by Kamiho-cho, Saga Prefecture and the Kyushu Electric Power Group

Promote sales

With a focus on the renewable energy market, create products that incorporate customer feedback

High reliability and compatibility with power storage systems

Advance into the area of "KOTOZUKURI"

Expand the business domains to include systems for realizing the stable use of renewable energy and maintenance / service

- 2. Create and strengthen businesses designed to solve social issues
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Functional Products

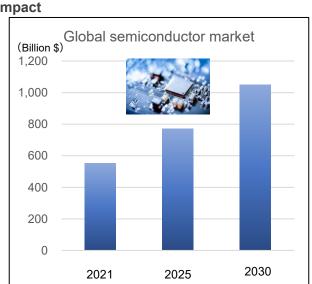
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[Tape for semiconductor process] Secure a stable supply network an

Secure a stable supply network and continue to provide high performance/ well differentiated products

Business environment

- Medium to long-term demand growth in the semiconductor market
- ☐ Increased requirements for lower environmental impact



※Estimate by
Furukawa Electric

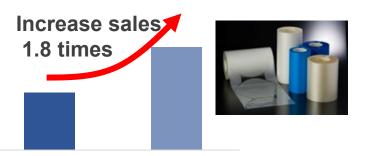
[Market changes and technology issues]

- More heat generated from the wiring due to higher densities
- Thinner wafers as a result of 3D stacking in response to increased data volume

Business strategy

Continued semiconductor demand growth

⇒Secure a stable supply network



Device & process advancements
Enhance the strengths in technology &
MONOZUKURI

FY25

FY21

⇒Continue to provide high performance / well differentiated products

Adhesive, thermal conduction, base film design





Realize a B5G society

Initiatives for realizing the strategy

Expand production capacity

CAPEX: Approx. JPY 7.0 bil. (FY22-FY25) Start construction in Sept. 2022 with mass production planned to start in April 2025

※Implement measures to reduce environmental impact

- ·Waste heat collection
- ·Solar power



New building and manufacturing line at the Mie Works

Response to technology issues

Response to heat generation

Increase heat dissipation using adhesive film with high thermal conductivity

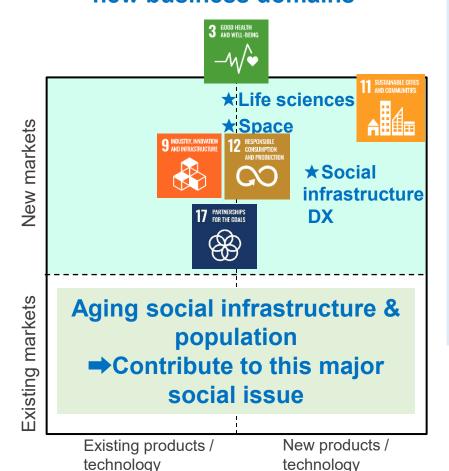
Response to thinner wafers

Optimize through the base film and adhesion control



From new businesses to businesses that contribute to maintaining social infrastructure and increasing healthy life expectancy

Use an Ansoff growth matrix to define the new businesses and identify new business domains

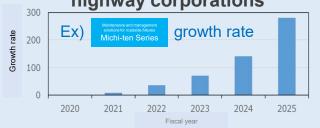


Social infrastructure DX

Create a database of various data including position data and imaging



Commercialized in FY2021 for national & local governments, construction consultants and highway corporations



Life sciences

Photonics technology + proposal capability that anticipates medical practitioners' jobs





Optical waveguide

Optical fiber

Semiconductor laser



Detection solutions using an internal medical device



Currently conducting trials with a medical device manufacturer with planned commercialization in FY2023





Commercialize a measurement platform by 2025

Accelerate the growth of new businesses

Strategic investment **Agile implementation** (1) Maximize profits in existing businesses through a focus on capital efficiency directed at 2025

R&D expenses

Focus on R&D activities with an emphasis on profit creation Within the 2025 MTMP period, contribute to the new domains where businesses have been established

(Priority domains)

- Communications Solutions: RR cable, optical devices, networking systems
- Automotive Products: Wire harnesses, SRC, peripheral monitoring radar
- Functional Products: Data center products
- New businesses: [New domains] Life sciences, social infrastructure DX

[Information/energy/mobility] Fusion of optical / electronics, hybrid

lasers, wireless power transmission, etc.

Timing of profit contribution

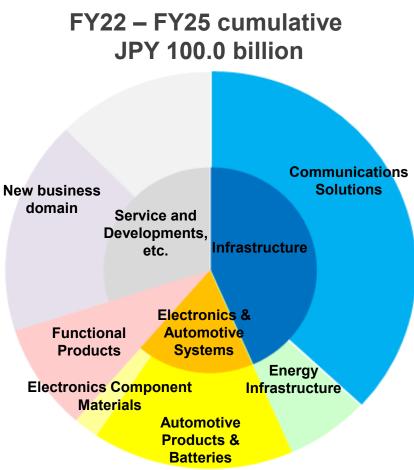
-FY25

-FY30

Fusion of optical & electronics, wireless power transmission

Automotive Products, Functional Products,

Life sciences, Social Infrastructure DX



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2030

(2) Build a foundation for creating new businesses by 2030

Based on the group's core technologies, contribute to the realization of next generation networks as an IOWN partner

Utilizing photonics and wireless technology, "support simultaneous realization and be a valued partner"









Create photonics products that will solve the social issues in 2030 七ファイバによる屋外外周セキュリティ

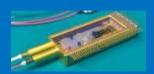
2022



Excitation light source for Raman amplifiers



Semiconductor optical amplifier for silicon photonics



High speed modulator



High output DFB external light source



Ultra-small tunable laser



Optical fiber with new **functions**

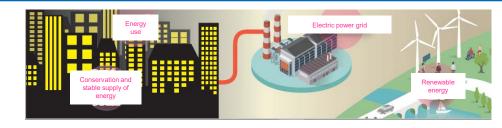
In April 2022, launched the "Project for the creation of next generation photonics businesses" reporting directly to the president

- 2. Create and strengthen businesses designed to solve social issues
 - (2) Build a foundation for creating new businesses by 2030

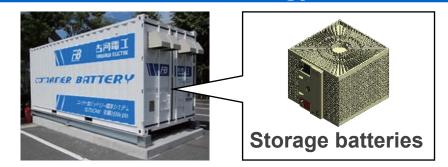
FURUKAWA ELECTRIC

Become carbon neutral together with the local communities through increased local independence and "local production, consumption & succession*" of energy

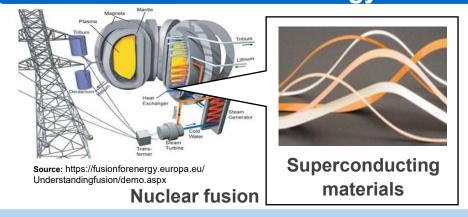
- 1 Eliminate or reduce direct CO₂ emissions
- **②** Eliminate or reduce CO₂ emissions by society
- 3 Capture or transform the CO₂ that is emitted



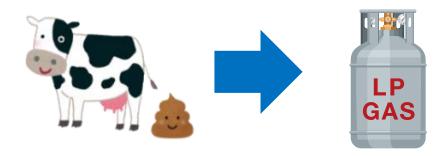
Store energy



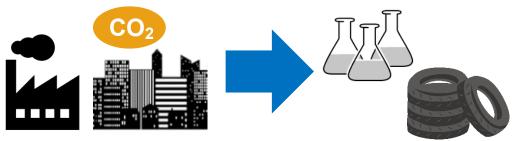
Create clean energy



Generate green LP gas from manure



Transform CO₂ into chemical products



*Local production, consumption and succession: In addition to local consumption of local production, pass down the local resources and culture to future generations

(2) Build a foundation for creating new businesses by 2030

R&D expenses

Increase profits in new domains and create new businesses that solve social issues in the domains that combine information, energy and mobility

[Priority domains]

- Communications Solutions: RR cable, optical devices, networking systems
- Automotive Products: Wire harnesses, SRC, peripheral monitoring radar
- Functional Products: Data center products
- New businesses: [New domains] Life sciences, social infrastructure DX

[Information/energy/mobility] Fusion of optical / electronics, hybrid

Fusion of optical & electronics,

lasers, wireless power transmission, etc.

R&D expense growth rate for new businesses: 125% (FY25 sustainability indicator* (compared to FY21))

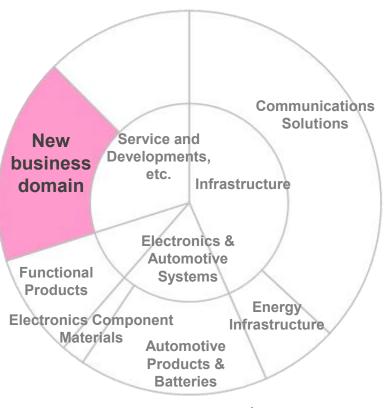
Timing of profit contribution

-FY25

-FY30

Communications Solutions, wireless power transmission
Automotive Products, Functional Products,
Life sciences, Social Infrastructure DX

FY22 – FY25 cumulative JPY 100.0 billion



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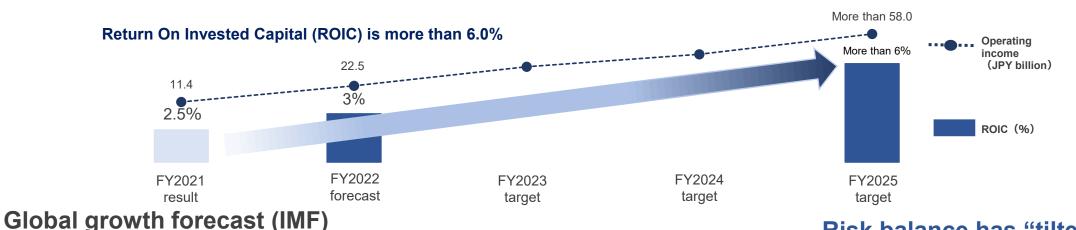


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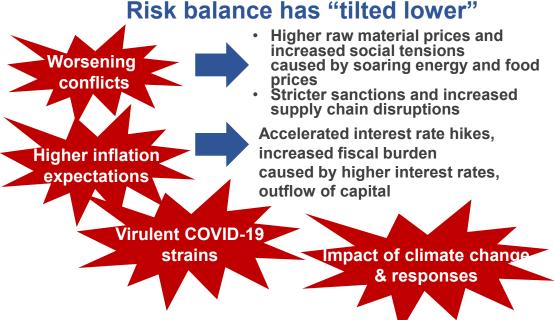
3. Numerical management targets and allocation of management resources Financial goals (formulating 25 Mid-term Plan)



While incorporating the business risks with consideration for the external environment, realize "increased capital efficiency" through business growth and cost cutting



		April 2022 forecast		Change from October 2021 forecast		
		2022	2022–2025	2022	2022-2025	
		Vs. last year (%)	Average growth rate (%)	(% points)	(% points)	Reason for the downward revision
Global		3.6	3.5	▲ 1.3	▲ 0.3	Direct and indirect impact of the situation in Russia and Ukraine
	Japan	2.4	1.5	▲ 0.8	0.0	Lower consumption and investment due to higher import prices
	U.S.	3.7	2.3	▲ 1.5	▲ 0.4	Monetary tightening and lower fiscal expenditures
	EU	2.8	2.1	▲ 1.5	▲ 0.2	Higher energy prices and supply chain disruptions
	China	4.4	4.9	▲ 1.2	▲ 0.4	Zero-COVID policy and slowing real estate investment

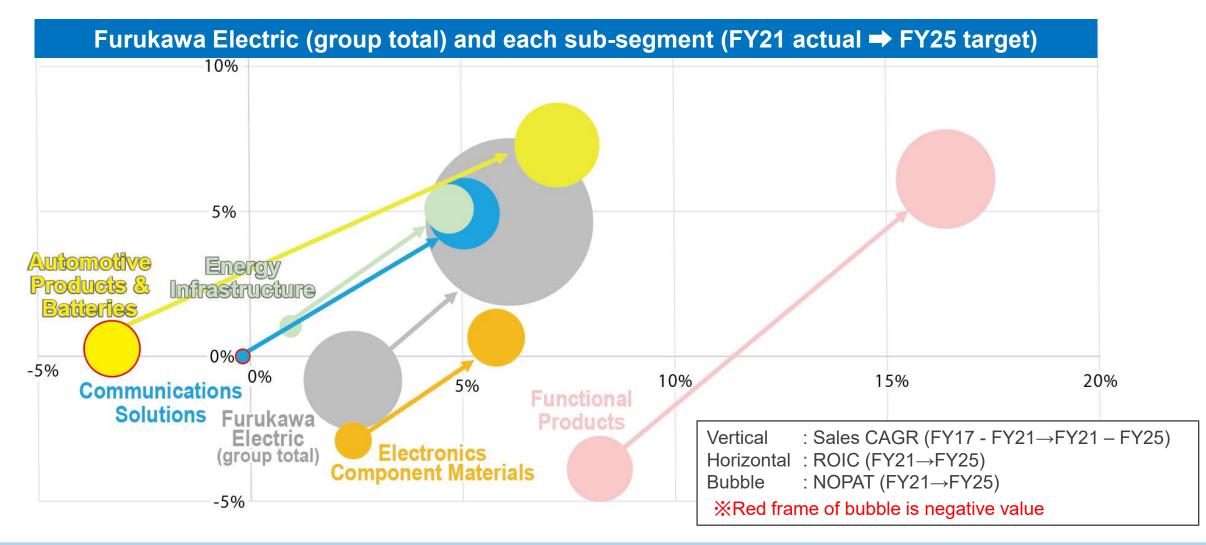


3. Numerical management targets and allocation of management resources **Financial goals**



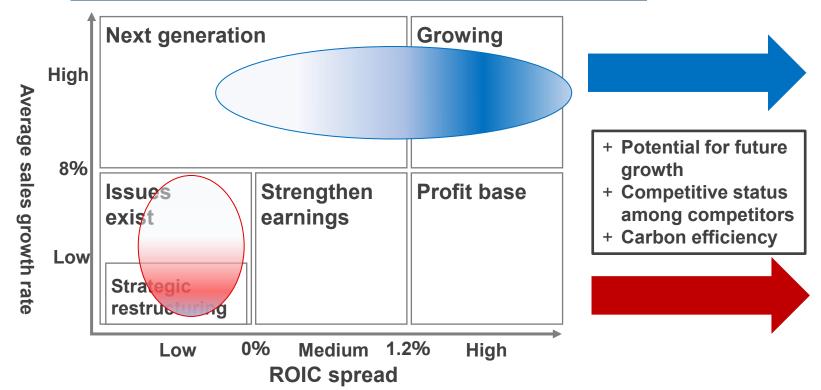
	FY2021 result	FY2022 forecast	FY2025 target	
ROIC (after tax)	2.5%	3%	More than 6%	
ROE	3.7%	5%	More than 11%	
Net D/E ratio	1.0	1.0	Less than 0.8	
Capital ratio	29.8%	30%	More than 35%	
Sales	JPY 930.5 billion	JPY 1,050.0 billion	More than JPY 1,100.0 billion	
Operating income	JPY 11.4 billion	JPY 22.5 billion	More than JPY 58.0 billion	
Net income attributable to owners of the parent	JPY 10.1 billion	JPY 14.0 billion	More than JPY 37.0 billion	
Average copper price (JPY/Kg)	1,136	1,260	1,085	
Average exchange rate (JPY/dollar)	112	120	110	

Steadily optimize the business portfolio, and aim to achieve ROIC of at least 6% by FY2025



By making the position of each business visible and optimizing the investment allocation based on that positioning, transform management and the decision making process so it will have increased awareness of capital costs

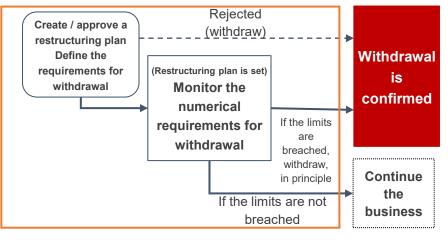
- 1. Make the current status and positioning visible
- 2. Decide the allocation of management resources (investment)



3. Reorganize the business portfolio

Search for growth opportunities, including M&A

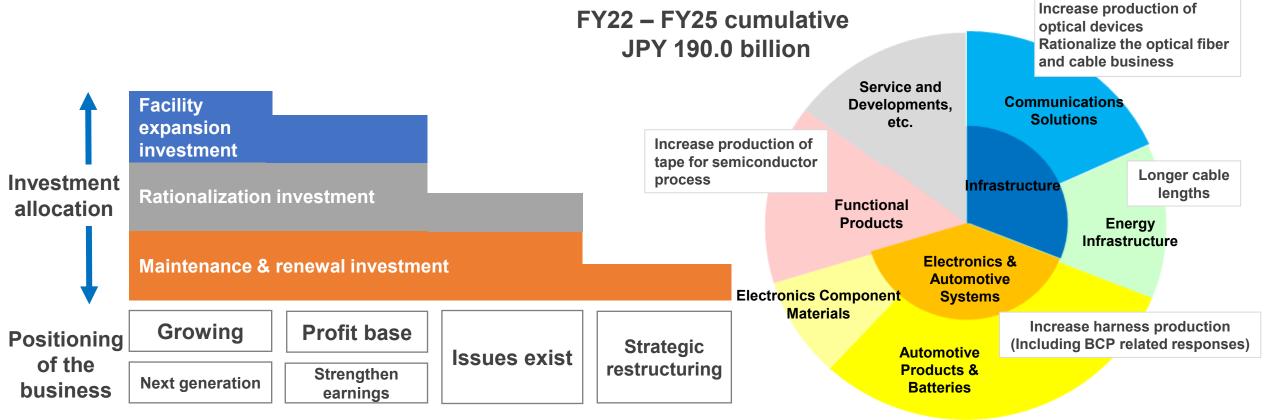
Decide the need to withdraw



3. Numerical management targets and allocation of management resources Business portfolio optimization and allocation of management resources (CAPEX / strategic investment)



Based on the positioning of the business, implement controlled execution of well-defined investments, and make investments in DX and environmental responses from a companywide perspective



- Includes JPY 16 bil. in DX investment and JPY 6.0 bil. investment in environmental responses
- In addition to CAPEX, incorporate strategic investments (such as M&A) of JPY 50 bil. into the plan

3. Numerical management targets and allocation of management resources Capital and cash allocation policy



Through investment in growth domains and securing a financial foundation for achieving

growth, aim to sustainably increase corporate value

Well-defined investments and controlled execution

CAPEX allocation based on the positioning of the business

Actively invest in businesses that will drive growth

Transform the business structure of the overall group Set a framework for strategic investments

Secure a healthy financial foundation

Management focused on capital efficiency

Stabilize financial health
Maintain and improve the credit rating

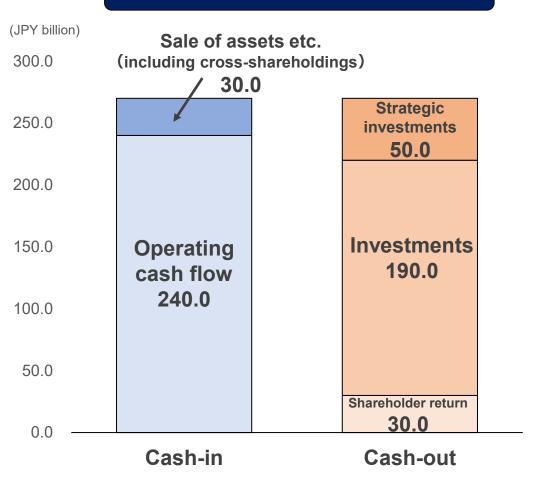
Healthy capital / debt structure

Procure capital through interest-bearing debt based on consideration for the balance with earnings capability (EBITDA)

Clarify the policy for shareholder returns

Set a quantitative target for the dividend payout ratio

Payout ratio of 30%



2025 Mid-term Plan (FY2022 – 2025) cumulative

3. Numerical management targets and allocation of management resources Shareholder returns



Basic policy:

During the 2025 Medium-term Management Plan (fiscal year ending March 2023 – March 2026), along with working to increase corporate value through profit growth and focused investments in growth domains, Furukawa Electric has designated stable and ongoing shareholder returns as a basic policy and will issue a performance linked dividend based on a payout ratio of about 30% of consolidated net income attributable to owners of the parent company.



Contents of today's presentation



- 1. Vision 2030 and positioning of 2025 Mid-term Plan
- 2. Create and strengthen businesses designed to solve social issues
 - (1) Maximize profits in existing businesses through a focus on capital efficiency directed at 2025
 - (2) Build a foundation for creating new businesses by 2030
- 3. Numerical management targets and allocation of management resources
- 4. Strengthen the foundation for ESG management

4. Strengthen the foundation for ESG management Strengthen the corporate functions that support business growth



Priority "materiality" directed at achieving Vision 2030

Create businesses that solve social issues 0 Create businesses that support next-generation infrastructure Create environment-friendly businesses Open, Agile, Innovative Build partnerships with various stakeholders Develop business activities that consider climate change Strengthen human capital management and 刀 organizational execution abilities S Build a governance system to strengthen risk ス management G Supply chain management Corporate governance Group governance Human rights & labor practices Set "sustainability indicators and targets" to be achieved during the 2025 Mid-term plan

GHG emissions reductions (Scope1, 2)

(Compared to FY17)

28 % reduction

Ratio of renewable energy use to total consumption

(FY17: 8%)

Global

13%

Ratio of female managers

(at Furukawa Electric)

(FY21: 3.8%)

%

Implementation of training on human rights risks

(Start from Japan in FY22) All managerial positions globally

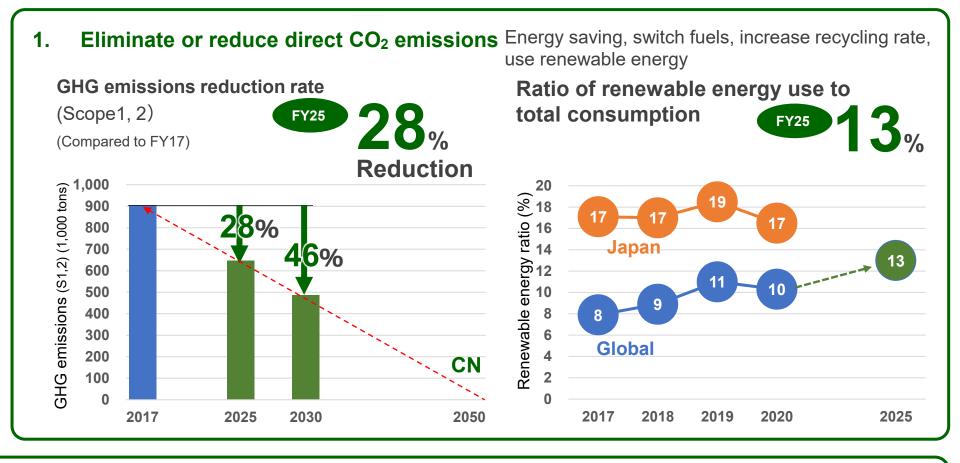
100%

*Refer to the Appendix for the other sustainability indicators and targets





Become carbon neutral in 2050 (Scope1, 2)



2. Eliminate or reduce CO₂ emissions by society

Aluminum wire harnesses, power cable for offshore wind power, bipolar storage batteries

3. Capture or transform the CO₂ that is emitted

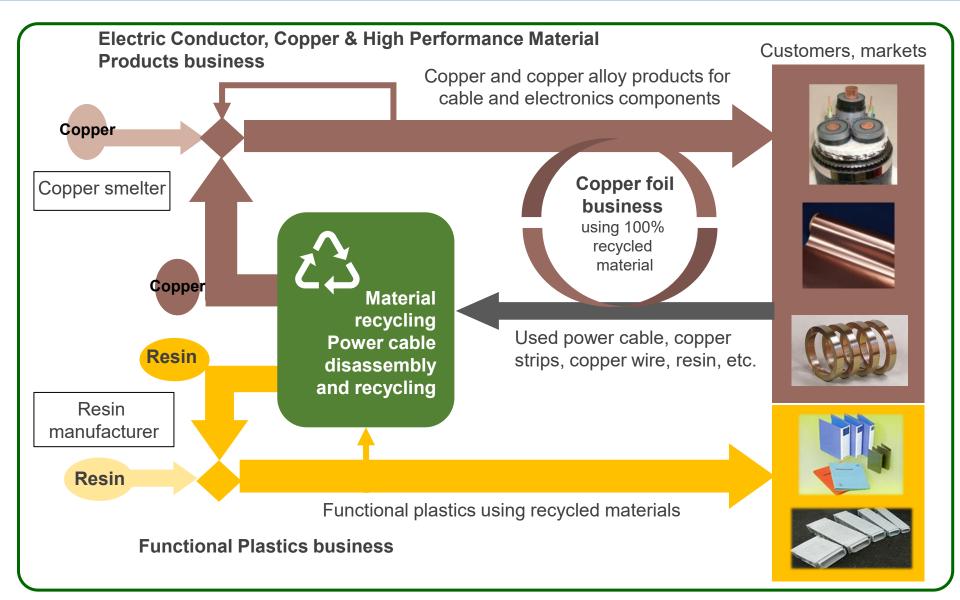
Generate green LP gas using original catalyst technology (metal encapsulated zeolite)

4. Strengthen the foundation for ESG management Strengthen the corporate functions that support business growth

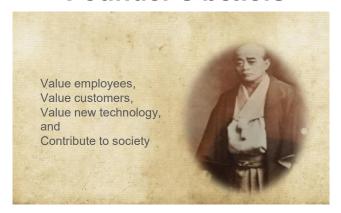




Initiatives for establishing closed-loop production



Founder's beliefs



Furukawa Electric Group People Vision

The people of Furukawa
Electric Group are our
greatest value. We recognize
that investment in the
development of our people
will enable sustainable longterm success of our Group.

Create a corporate culture of "following through as a team"

Individuals

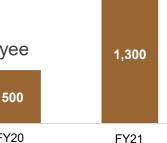
New challenges and growth Independent career formation Work satisfaction & engagement



Course participants

Superiors

Support the growth of each employee
Build good teams
Achieve results as a team



FY20 General manager and higher FY21 Section manager and higher

Basic stance

Secure diversity
Cultivate an open, agile, innovative
organizational culture



Employee engagement score

FY22: Start measuring
→ FY23: Set targets

Ratio of female managers

(FY21: 3.8%) (at Furukawa Electric)

FY25

% hiring

Ratio of career track hiring among total staff hiring

(FY21: 37%) (at Furukawa Electric)

FY25

30 %

Promote in accordance with the UN's Guiding Principles on Business and Human Rights

Revise the CSR Procurement Guidelines (Ver. 3)



Set a human rights policy

Furukawa Electric Group Human Rights Policy

lased on the "Furukawa Electric Group Philosophy", Furukawa Electric Group (hereafter "the Group") inderstands the need to respect human rights of those affected by the Group's businesses as at he Group xpands globally. The Group respects human dignity and internationally recognized human rights.

1. Positioning of this Human Rights Policy in accordance with the International Bill of Human Rights (Universal Declaration of Human Rights and International Covenants on Civil and Political Rights), International Labour Organizations (ILO) Fundamental Rights at Work, and the United Nation's Guding Principles on Human and Business Rights, the Group has to respect human rights. Furthermore, this Policy that promotes activities respecting human rights, is based on the Furukawa Electric Group Prilosophy" and the "Furukawa Electric Group Drilosophy" and the "Furukawa" Electric Group Drilosophy and the "Furukawa" Electric Group Drilosop

licy applies to all members of the Group (all employees including officers, employees, and contract). Moreover, the Group requests that all our business partners related to its operations to support this d to adopt similar policies.

ionity to respect numan rights be discovered or should the Group be made aware of such a speaking the contract of the such as the course of its business activities, the Group will fulfill its responsibility to respect human rights. The signed a person in charge of implementing this Policy, and this person will provide oversight to such as the such as the contract of the such as the s causes a negative impact on human rights, the Group will urge the business partner to take appropriate

To fulfill its responsibility as a company that respects human rights, the Group will build a process for human rights due diligence and will regularly conduct due diligence. Human rights due diligence includes identification

Human rights due diligence

SAQ* implementation based on **CSR Procurement Guidelines**

Subject entities:

Major suppliers and Group companies

Promote awareness of the human rights policy and provide human rights training

Subject entities:

Furukawa Electric and group companies

SAQ* implementation rate

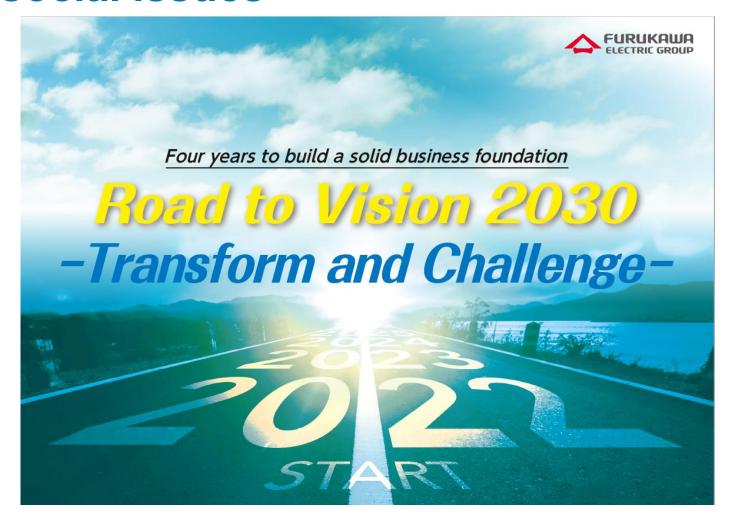
Major suppliers at the global manufacturing sites

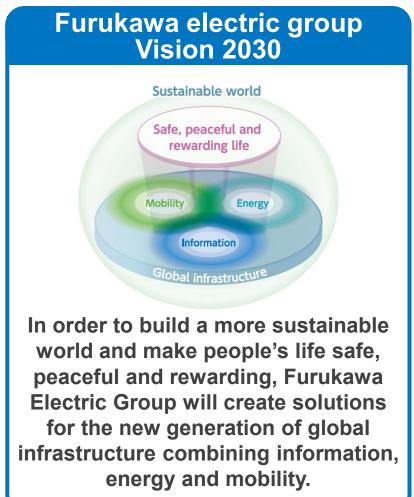
Self Assessment Questionnaire

Provision of training on human rights risks

All managerial positions globally

Create new value together with customers and solve the social issues





Thank you very much for your attention



Appendix 2025 Mid-term plan target (net sales, operating income) by segment



(JPY billion)		FY2021 result		FY2022 forecast			FY2025 target			
		Sales	Operating income	Ratio	Sales	Operating income	Ratio	Sales	Operating income	Ratio
Infrastructure		297.0	5.2	1.7%	330.0	6.5	2.0%	360.0	16.0	4.4%
	Communications Solutions	191.3	3.8	2.0%	215.0	5.0	2.3%	230.0	11.5	5.0%
	Energy Infrastructure	105.7	1.4	1.3%	115.0	1.5	1.3%	130.0	4.5	3.5%
Elect Syste	ronics & Automotive	500.7	0.1	0.0%	575.0	10.0	1.7%	590.0	23.5	4.0%
	Automotive Products & Batteries	249.9	▲ 4.6	▲1.9%	295.0	6.0	2.0%	330.0	16.5	5.0%
	Electronics Component Materials	250.8	4.8	1.9%	280.0	4.0	1.4%	260.0	7.0	2.7%
Functional Products		130.0	7.6	5.8%	155.0	8.5	5.5%	165.0	19.5	11.8%
Service and Developments, etc.		34.5	▲1.4	▲4.0%	30.0	▲2.5	▲8.3%	40.0	▲1.0	▲2.5%
Total		930.5	11.4	1.2%	1,050.0	22.5	2.1%	1,115.0	58.0	5.2%

Note about net sales in the Electronics Component Materials sub-segment within the Electronics & Automotive Systems segment •FY25 net sales were calculated assuming copper price of JPY 1,085/kg (reason for lower net sales compared to FY22)

[·]If calculated using the copper price forecast level in FY22 (JPY 1,260/kg), net sales would be JPY 285.0 billion (higher than FY22)



By achieving the sustainability indicators that contribute to resolving the materiality, aim to achieve Vision 2030.

		Materiality			FY2021 result	FY2022 target	FY2025 target
Revenue Opportunities	1	Create businesses that solve social issues	Sales ratio of environmentally friendly products (Consolidated)	Consoli dated	62%	64%	70%
	2	Open, Agile, Innovative	R&D expense growth rate for new businesses (compared to FY21)	Consoli dated	(100%)	115%	125%
	3	Build partnerships with various stakeholders	Implementation rate of IP landscaping for strengthening the businesses and themes for creating new businesses	Consoli dated	17%	30%	100%
		Develop business activities that consider climate change	GHG emissions reduction rate (Scope1,2) (compared to FY17)	Consoli dated	▲28% (Estimate*)	▲17.7%	▲28.3%
	Ľ		Ratio of renewable energy use to total consumption	Consoli dated	10% (Estimate*)	11.5%	13%
		Strengthen human capital management and organizational execution abilities	Employee engagement scores	Non- consoli dated	_	Start measuring	FY2023 Set targets
Risks	s		Ratio of female managers	Non- consoli dated	3.8%	4.5%	7%
l			Ratio of career track hiring among total new staff hiring	Non- consoli dated	37%	30%	30%
		Build a governance system to strengthen risk management	Ratio of SAQ implementation based on the CSR Procurement Guidelines for major suppliers	S Consoli dated	Non- consolidated 20%	Global 20%	100%
	G		Ratio of follow-up on risk management activities for all risk domains	Consoli dated	88%	93%	100%
			Implementation rate of human rights training for managerial positions	Consoli dated	_	Start in Japan	100%