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Business Briefing

Metal Solutions

June 5, 2026

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This presentation materials are created for the purpose of providing information on Furukawa Electric’s activities for shareholders, investors, and members of the media.

Forward-Looking Statements

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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- Economic trends in the U.S., Europe, Japan and elsewhere in Asia, and in other countries and regions, particularly with regard to consumer spending and corporate expenditures.
- Changes in the exchange rates of the U.S. dollar, the euro, and the currencies of Asian countries and of other countries and regions.
- Furukawa Electric Group’s ability to respond to rapid advances in technology.
- Changes in assumptions involving financial and managerial matters and the operating environment.
- Current and future trade restrictions and related matters in foreign countries.
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Agenda

1. Overview of the Metal Solutions
2. Initiatives in the Existing Businesses (Copper & High-Performance Materials, Electric Conductors)
3. Transition to a Circular Business Model based on Copper Resource Recycling
4. Challenges in New Businesses Contributing to Solving Social Issues (Business Opportunities in the Fusion (nuclear fusion) market)

1. Overview of the Metal Solutions

Business Structure of the Metal Solutions

Metal Solutions Domain

Copper & High-Performance Material Products Division

Copper and copper alloy products (strips and wire), precious metal-plated products


Copper alloy strips


Precious metal-plated products


Oxygen-free copper strips

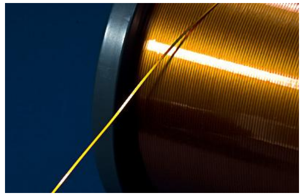
Electric Conductor Division

Copper and copper alloy wire, aluminum wire, enameled wire, stainless steel wire


Tough-pitch copper wire


Aluminum wire


Oxygen-free copper wire


Enameled wire

Superconducting Business Division

Superconducting products


Superconducting wire

Metal Solutions Locations

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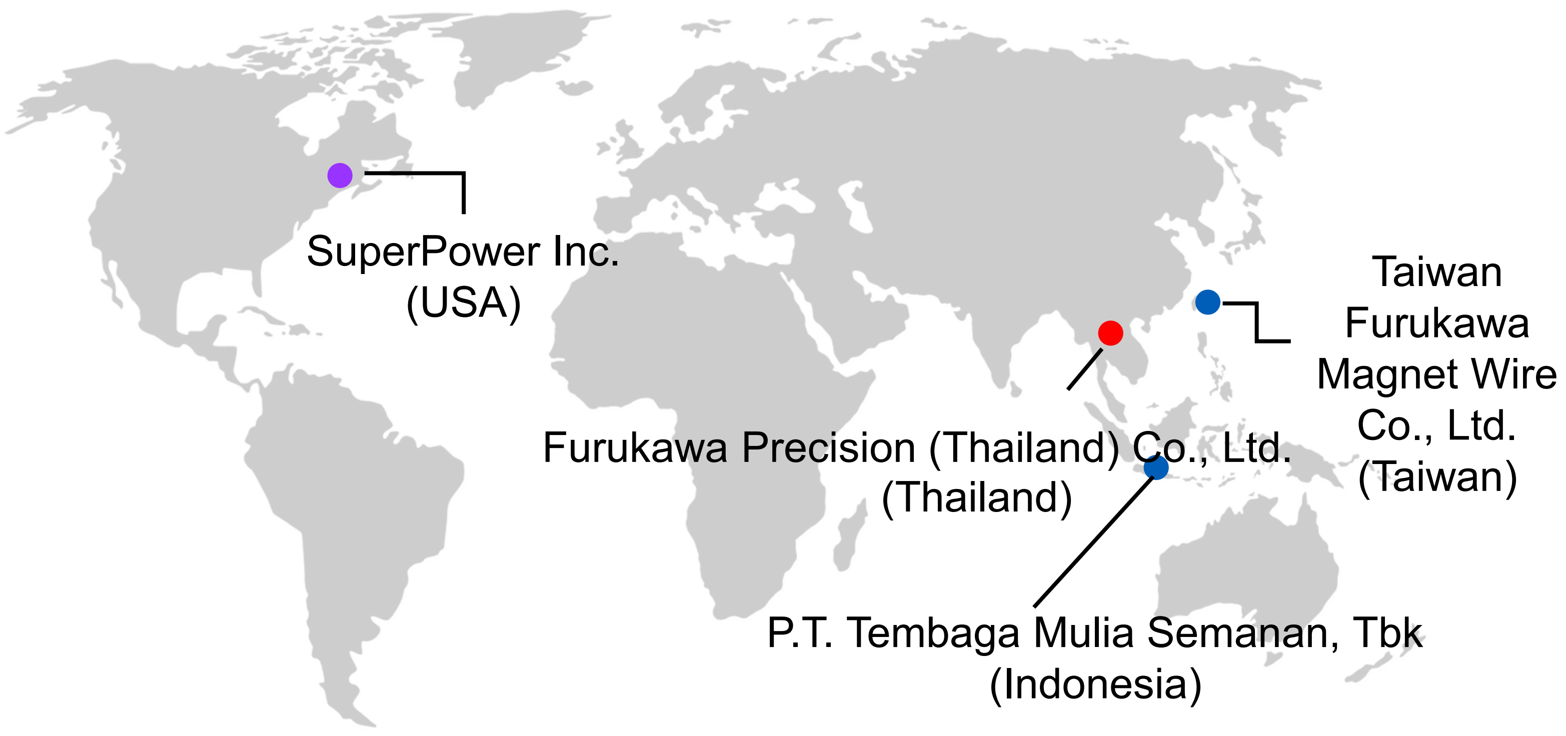
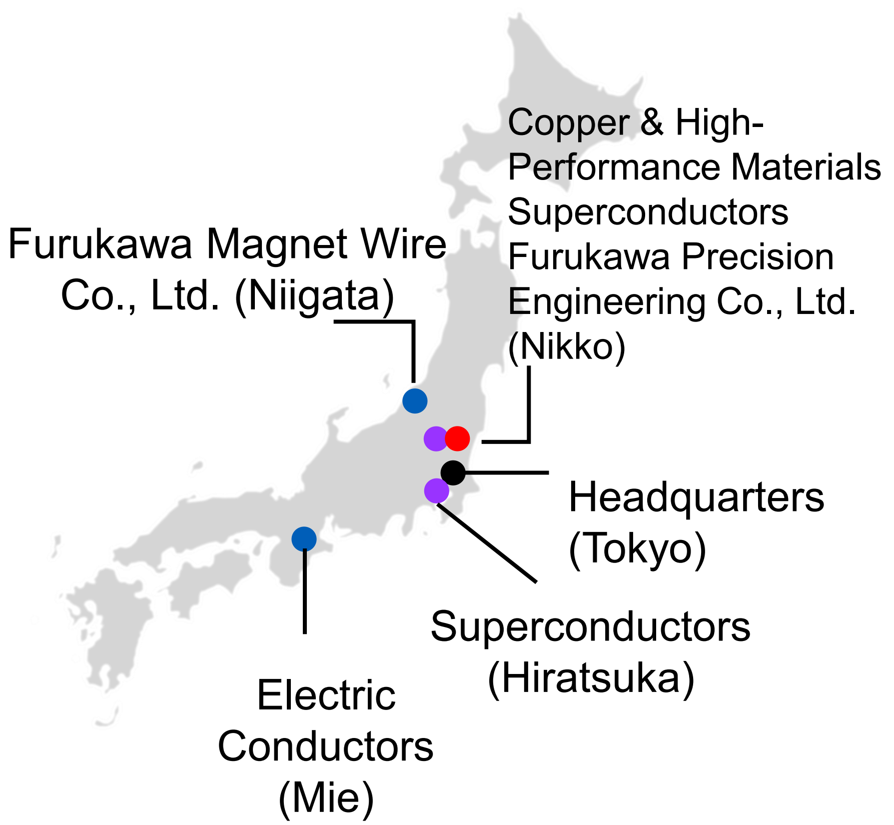
[Overseas locations]



[Japan locations]



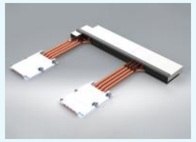
- Copper & High-Performance Material Products Division
- Electric Conductor Division
- Superconducting Business Division

Metal Solutions -Upstream Role within Furukawa Electric Group

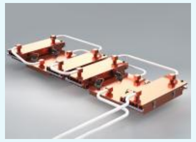
Metal Solutions

A materials supply platform that generates synergies across Furukawa Electric Group

Digital Infrastructure Components



Heat sinks (air-cooling method)



Cold plates (water-cooling method)

Energy Infrastructure

Heat-resistant power cables

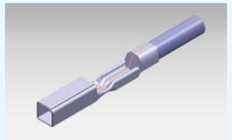
Metal communication cables

Power cables

Aluminum cables

Automotive Systems

Wire harnesses



Terminals

Metal Solutions Policy to Achieve Vision 2030

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Aiming to create information-based social infrastructure, solve social issues through the provision of high-performance materials and new businesses

- In the existing businesses, work to capture further business opportunities in the data center, infrastructure, and automotive markets, optimize the product portfolios and increase sales of high-value-added products

- Develop and expand superconductivity as a new business, primarily targeting the fusion (nuclear fusion) market

Review of FY2025

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Segment	Review
Former Electronics Component Material Division (Current Copper & High-Performance Material Products Division, Electric Conductor Division)	• Launched new products and increased sales • Optimized sales prices • Withdrew from low-margin products • Partially shifted to manufacturing processes aimed at reducing CO_2 emissions
Superconducting Business	• Co-creation with fusion (nuclear fusion) start-ups • Decision to increase production capacity of high-temperature superconducting wire

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2. Initiatives in the Existing Businesses (Copper & High-Performance Materials, Electric Conductors)

Optimization of the Business and Product Portfolio

Excerpt from the Management Policy presentation held on May 19

● Driving portfolio optimization through business-level FVA monitoring

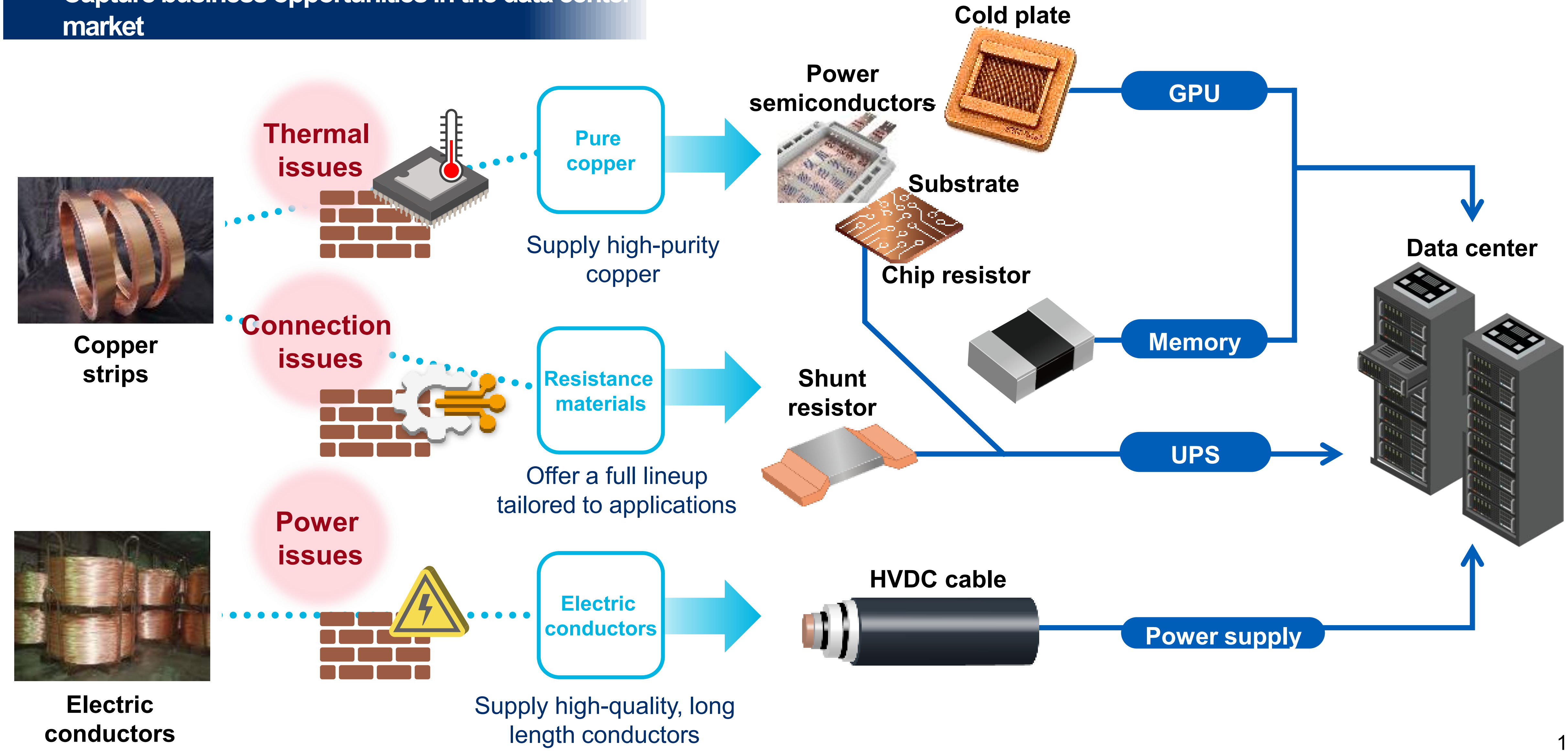
- Portfolio enhancement via business and organizational restructuring during the 2025 Mid-Term Plan
- Ongoing optimization of the business and product mix through FVA* monitoring

	Key Initiatives under the 2025 Mid-Term Plan	Future Initiatives
Optical Solutions		
Digital Infrastructure Components		
Energy Infrastructure		
Automotive Systems		
Metal Solutions	• Shifted toward high-performance, high-value-added products • Withdrew from reflow tin plating business	• Secure business opportunities in the data center market • Continue shifting toward high-value-added products

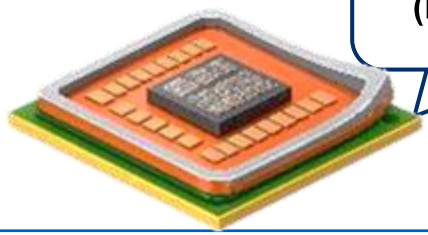
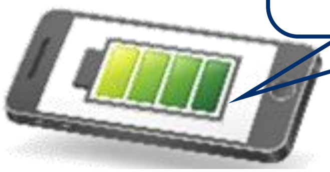
*FVA (Furukawa Value Added): Value added to invested capital. Arranged EVA for us and introduced it as an internal control indicator in FY2022.

Initiatives for Creating Information-based Social Infrastructure

Capture business opportunities in the data center market



Solutions for Technical Challenges in data centers

Technical challenges	Our strengths
Thermal issues  High adhesion between copper and ceramic (Ensuring long-term reliability)	● Supply high-quality pure copper materials ● Enable new functions through microstructure control technology ● Support diverse product forms (strips, wire)
Connection issues  Advanced power supply and power control (High-precision current sensing)	● Lineup of resistance materials tailored to applications ● Control resistivity through alloy design technology ● Support diverse product forms (strips, wire)
Power issues  High-efficiency power transmission (Power loss reduction)	● Supply high quality, long length conductors

Expansion of High-value-added Products by Optimizing the Product Portfolio

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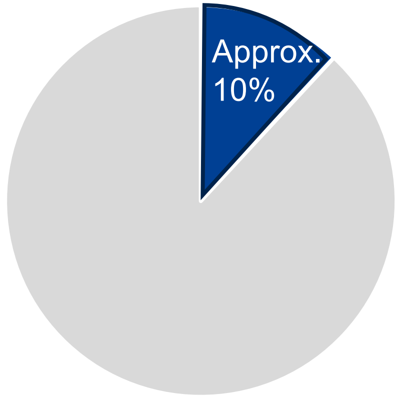
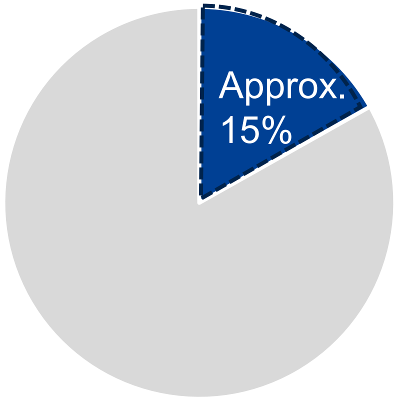
Contribution of high-value-added products to sales

FY25



High-value-added products Existing products

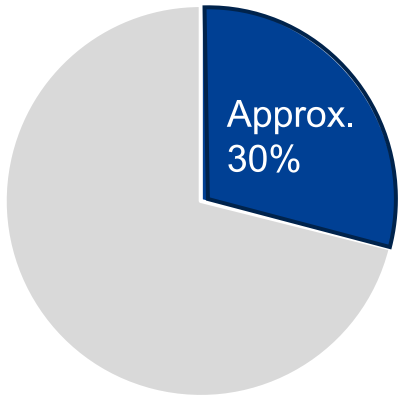
FY28



High-value-added products Existing products

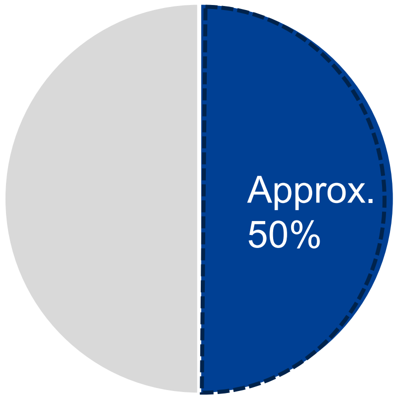
Contribution of high-value-added products to profits

FY25



High-value-added products Existing products

FY28



High-value-added products Existing products

Business Environment & Risks, and Related Policies
Business Strategies

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Business environment & risks	Priority measures
・Growing need for heat dissipation in semiconductor products (business environment)	・Develop and expand sales of high-performance copper materials for next-generation semiconductors, and increase sales ・Supply materials for data center cooling modules
・Increased demand for power supply and power control devices (business environment)	・Launch new products for this market, and increase sales
・Future depletion of copper resources (risk)	・Transition to a circular business model based on copper resource recycling
・Soaring copper prices (risk)	・Review transaction terms to improve working capital
・Supply chain disruptions caused by increased geopolitical risk (risk)	・Diversify suppliers of ore resources ・Decrease the dependence on particular regions for sales

3. Transition to a Circular Business Model Based on Copper Resource Recycling

CO_2 Emissions Reduction through Resource Recycling (copper recycling)

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Achieve both resource recycling and lower carbon emissions
Promote the commercialization of Short-Loop recycling

《Co-creation activities with the end users 》

■Vehicles

BlueRebirth

Activities aimed at precision disassembly of vehicles (national project)

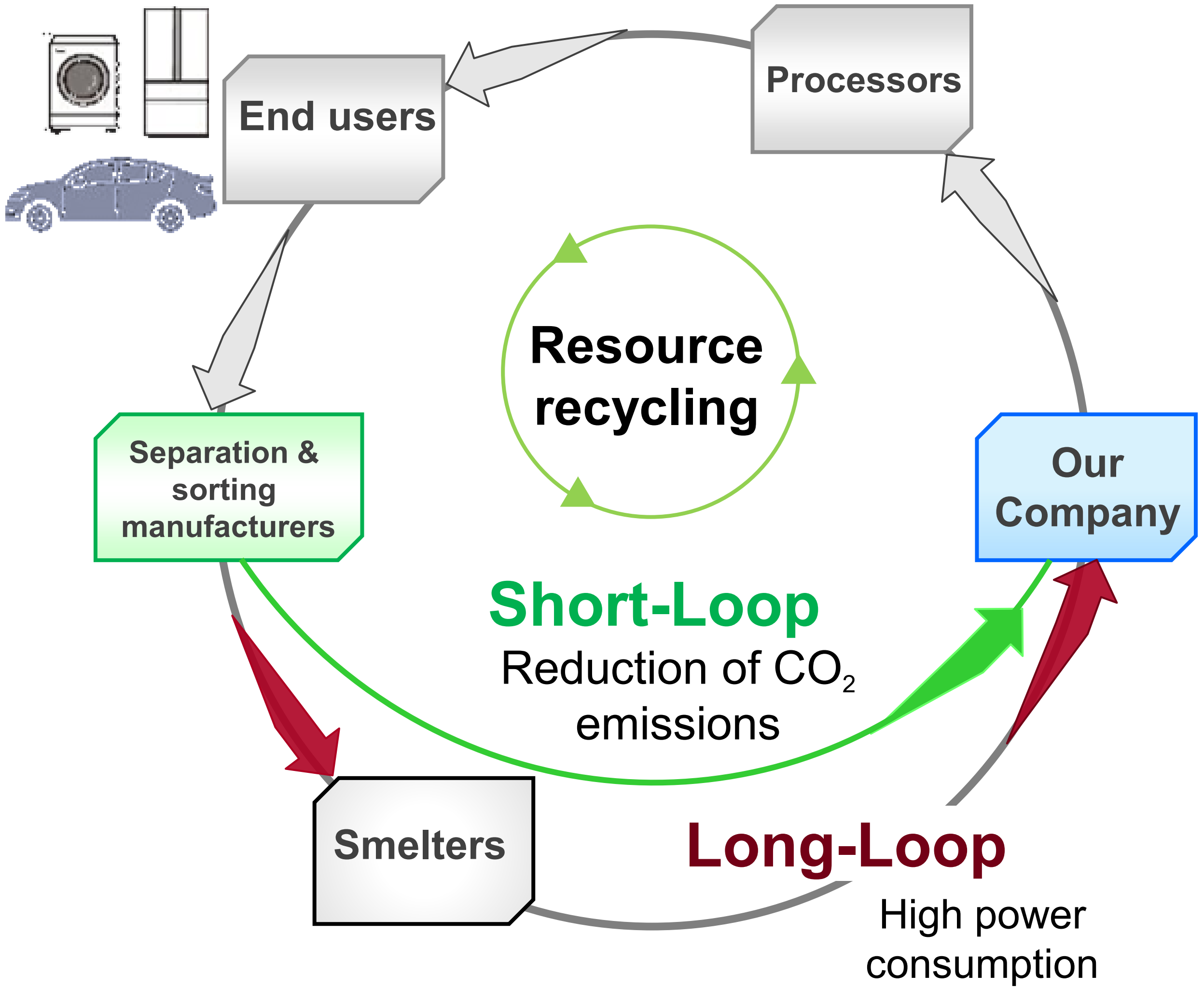
June 30, 2025 News release

■Household appliances

Panasonic

Circular use of copper alloys for wiring devices utilizing recycled copper from end-of life home appliances

May 19, 2025 News release



4. Challenges in New businesses that Contribute to Solving Social Issues

Business Opportunities in the Fusion (nuclear fusion) Market

Challenges in New Businesses that Contribute to Solving Social Issues

Excerpt from the Management Policy presentation held on May 19

● Accelerate the creation, incubation and launch of new businesses

Incubation themes

- **Green LP gas** » Decarbonization and energy issues
  - Construct a demonstration plant
- **Social DX** » Infrastructure renewal and labor shortage
- **Aerospace** » National security and energy issues

Profitization

New revenue-generating businesses beyond 2030

Scale-up themes

- **Life sciences** » Increase healthy longevity
  - Accelerate PoC*
- **Superconductors** » Decarbonization and energy issues
  - Expand production capacity of high temperature superconducting wire
- **Laser applications** » Infrastructure renewal and labor shortage
  - Accelerate commercialization of Infralaser®

Utilize corporate venture investments to explore themes

Inorganic growth is also an option

Advanced research (quantum domain, etc.)

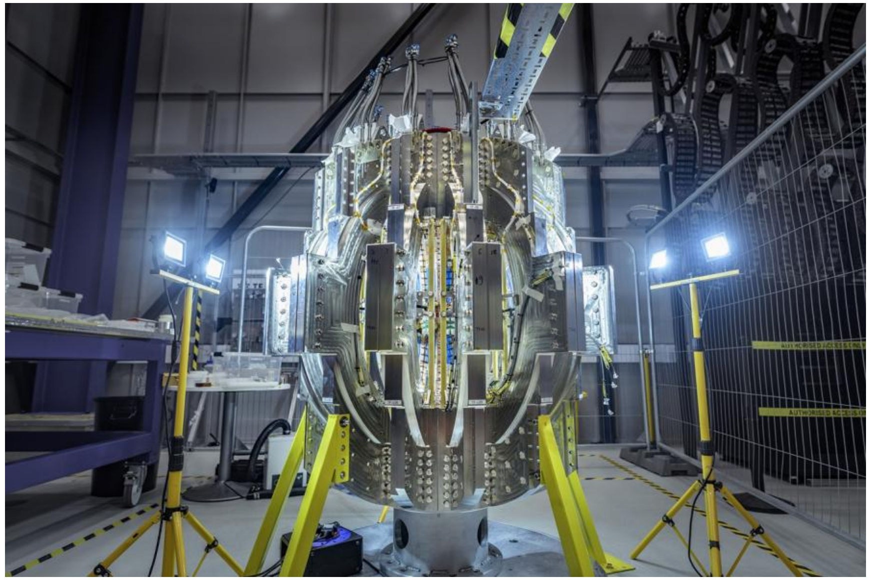
Business Opportunities in the Fusion Market

- **Emergence of the test reactor market, and growing demand for high-temperature superconducting wire in Japan, the U.S. and Europe**
- **Participation in important projects**

FAST

Commonwealth Fusion Systems

STEP FUSION



Demo 4

Source: Tokamak Energy Ltd.

Full-scale operation of commercial reactors

Initial commercial reactors

Test reactors

- **Increase production capacity of high-temperature superconducting wire (increase by 3-4 times)**

2020 ***2030*** ***2040***

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Thank You

FURUKAWA ELECTRIC GROUP PURPOSE

Composing the core of a brighter world.

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Appendix

- Portfolio of Products for Vehicles
- Net Sales and Operating Profit Trends
- Business Overview
- Product Overview

Appendix – Portfolio of Automotive products

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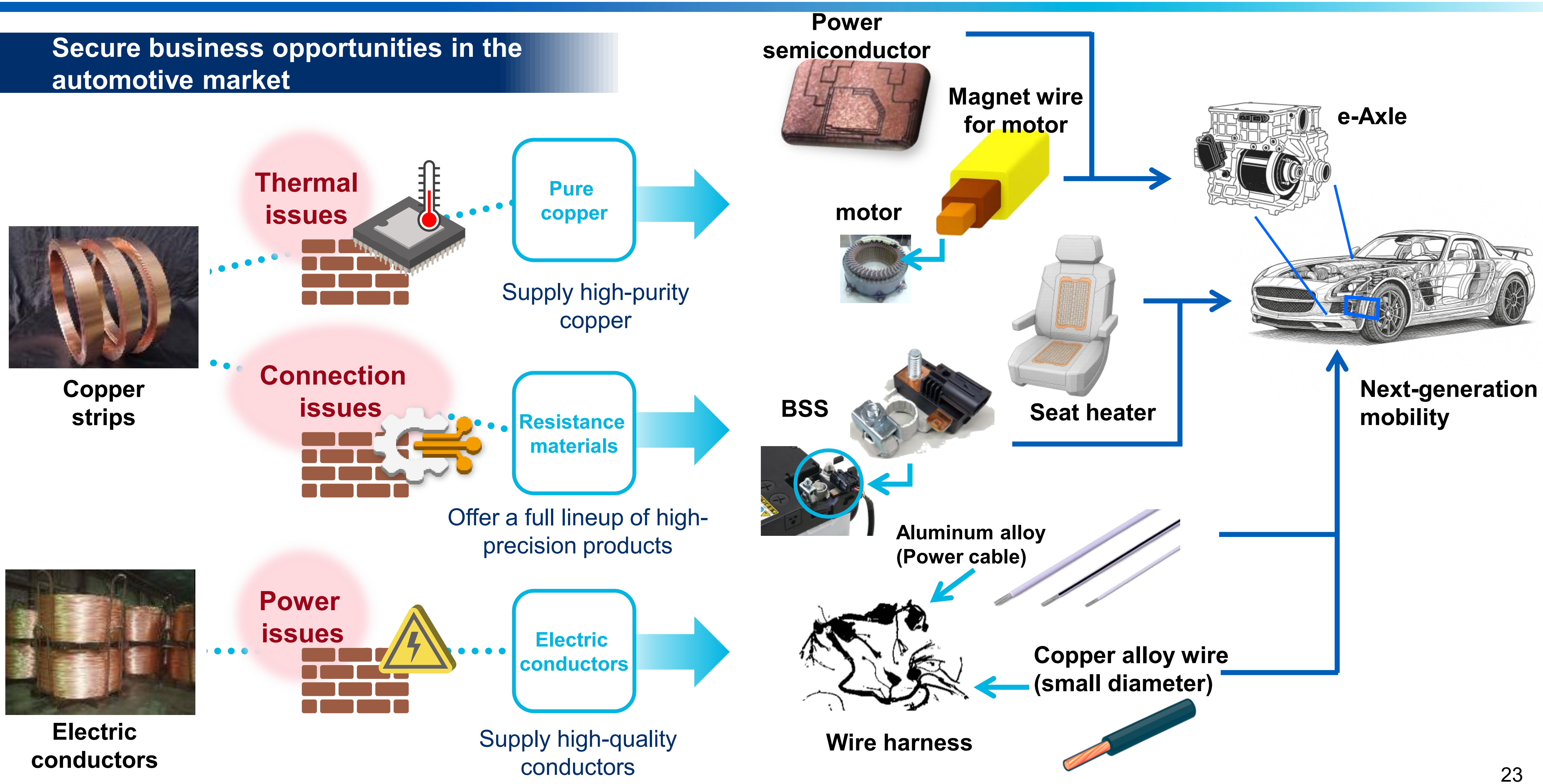
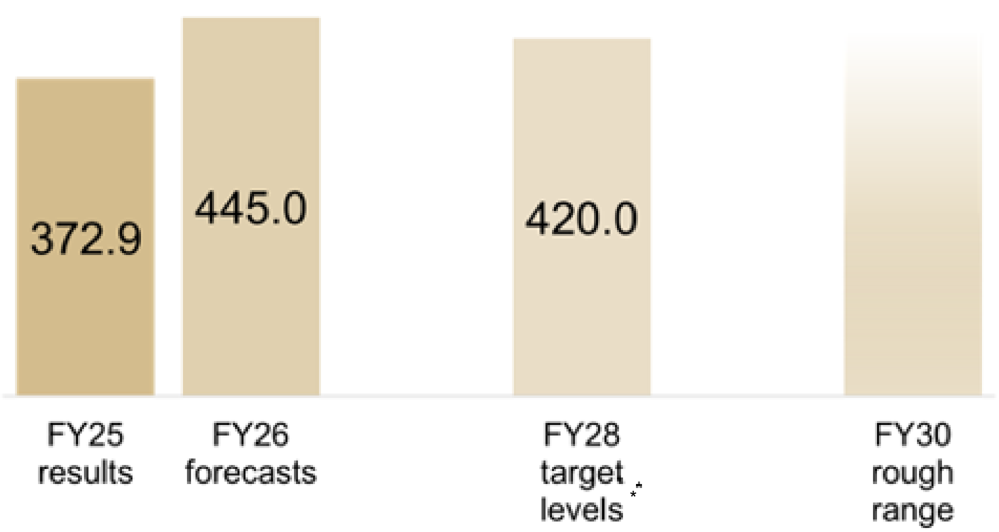
Secure business opportunities in the automotive market



Appendix -Net Sales and Operating Profit Trends

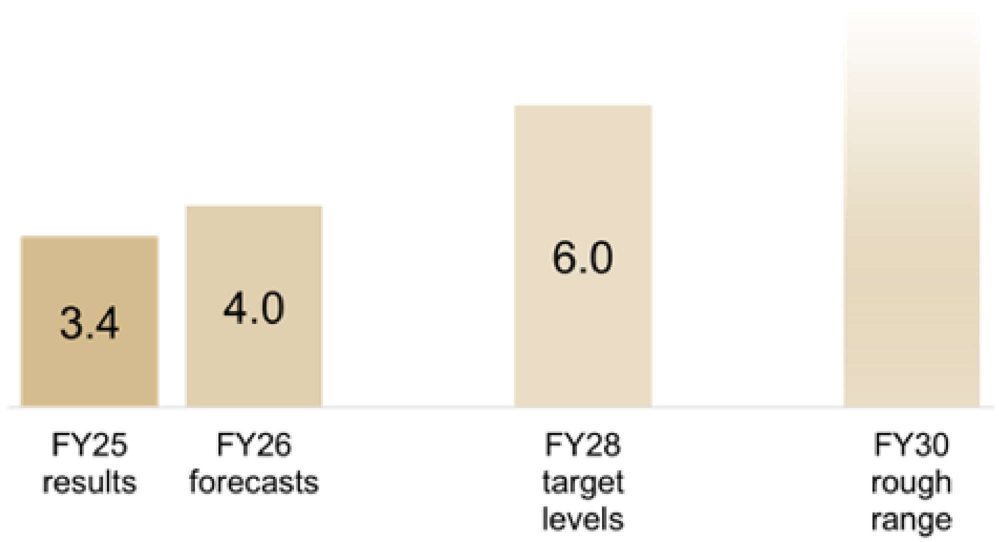
Net sales

(JPY billion)



Operating profit

(JPY billion)



* Includes the impact of copper price fluctuations. (Actual sales volume increased)

Appendix – Business Overview

Analysis of the business environment

Business environment (Key profit opportunities)

- Expanding demand for heat dissipation in semiconductor products
- Increase in demand for power supply and power control devices
- Vehicle electrification and shift toward SDV (Software-defined Vehicles)
- Full-scale development of fusion power demonstration projects
- Social expectation for resource circulation

Strengths

- Capabilities in material development and proposal tailored to customer needs
- Provision of high-performance, high-quality oxygen-free copper and copper alloy products
- Participation in key projects in the fusion market
- Production system that uses renewable energy generated by hydroelectric power

Business environment (Key risks and threats)

- Future depletion of copper resources
- Soaring copper prices
- Supply chain disruptions caused by increased geopolitical risk

Issues

- Transition to a circular business model based on copper resource recycling
- Diversification of sourcing for ore resources
- Reduction of sales dependence on particular regions
- Expansion of production capacity of high-temperature superconducting wire

Business strategy toward Vision 2030

Basic strategies

- Aiming to create information-based social infrastructure, solve social issues through the provision of high-performance materials and new businesses
- In the existing businesses, work to capture further business opportunities in the data center, infrastructure, and automotive markets, optimize the product portfolios and increase sales of high value-added products
- Develop and expand superconductivity as a new business, primarily targeting the fusion (nuclear fusion) market

Key initiatives

- Develop high-performance oxygen free copper and copper alloy product lineups
- Further increase sales in overseas markets
- Continue to improve product mix
- Increase sales of high-temperature superconducting wire by strengthening partnerships
- Promote decarbonization through “Short-Loop” recycling

Appendix – Product Overview

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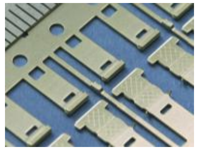
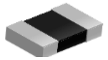
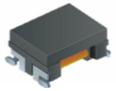
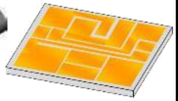
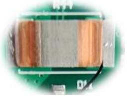
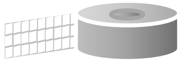
	Electric Conductors		Copper & High-Performance Material Products			Superconducting Products	
Product images							
Data centers	●	●	●	●	●		
Carbon neutrality	●		●	●		●	●
Strengthening infrastructure	●		●				
Mobility (Autonomous driving / electrification)	●	●	●	●	●		
Medical						●	●
Main products	● Copper wire & aluminum wire ● Oxygen free copper wire	● Small diameter winding wire	● Oxygen free copper strips, wire, rods	● Copper alloy strips & thin plates ● Resistance strips & flat square wire	● Precious metal plated strips	NbTi superconducting wire Nb_3Sn superconducting wire Superconducting stranded wire	REBCO high-temperature superconducting wire
Main applications	● Wire harnesses ● Cables for high-speed communications ● Winding wire for xEV motors  	● Inductors for cellular phones ● (General use / in-vehicle) relays ● Common mode choke coils (noise filter)  	● Shielding strips ● Substrates for heat dissipation  	● Shunt / chip resistors ● Terminals for cellular phones ● Semiconductor lead frames  	● Condenser terminals  	Semiconductor lifting device (MCZ) MRI/medical accelerators Analytical instruments (NMR) Large accelerators	Fusion reactors Analysis devices (High field NMR) High field magnets
Main customers	● Power cable manufacturers ● Telecommunications cable manufacturers ● Winding wire manufacturers ● Motor manufacturers	● Electronic component manufacturers	● Electric wire manufacturers ● Power semiconductor manufacturers	● Resistor manufacturers ● Terminal manufacturers ● Semiconductor component manufacturers	● Electronic component manufacturers	Heavy electrical machinery manufacturers Medical device manufacturers University & research institutions	Fusion reactors manufacturers High field magnet manufacturers Universities & research institutions