Corporate Philosophy

**Drawing on more than a century of expertise in the**
development and fabrication of advanced materials,
**we will contribute to the realization of a sustainable**
society through continuous technological innovation.

**Overseas bases meeting needs worldwide**

Furukawa Electric has built a global network that
responds to customer demand and earns customer
confidence by quickly delivering products of excellent
quality at highly competitive prices.

**More than 121 Group companies in total**

United Kingdom | Germany | China | Philippines
---|---|---|---
Italy | Hungary | Hong Kong | Vietnam
Czech Republic | Russia | Taiwan | Malaysia
Denmark | Spain | Indonesia | Japan

**Asia 93 companies**

**Europe 10 companies**

**Africa 1 company**

**North America 6 companies**

**Latin America 11 companies**

United States | Argentina | Colombia | Brazil | Mexico
---|---|---|---|---
Morocco | United Kingdom | Italy | Czech Republic | Denmark

**10 companies**

**93 companies**

**1 company**

**6 companies**

**11 companies**
Having started with copper refining and electric wire businesses, our company has broadened its technological capabilities by staying ahead of the times and responding to societal needs. In the process, we have released numerous leading technologies and products. These technologies have contributed greatly to the realization of products that help build a safe and secure society, improve environmental performance, and support comfortable lives.

**Technological Genealogy**

- **History of multifaced technologies and products**

**Refined copper**
- Heat pipe
- Electrolytic copper foils and plating
- Rolled copper products
- High density plating
- Sheets
- Strips
- Wires
- CUBE
- Memory disc materials
- Aluminum
- Foils
- Extrusion products
- Superconducting cables
- Superconducting coil
- High-temperature superconducting wires
- Resin coating materials
- Shape-memory alloys
- Alloy design

**Electric wires**
- Power cables
- Telecommunication cables
- Magnet Wires
- Ultra high-voltage cables
- Coaxial cables / Waveguides
- Antennas for broadcasting
- Small antennas
- Vehicle-mounted radar
- Optical fibers
- Optical connectors
- Optical fiber fusion splicers
- Optical passive components
- Optical signal processing
- Optical semiconductors
- Optical subsystems
- Fiber laser
- Optical passive components
- Optical signal processing
- Optical semiconductors
- Optical subsystems
- Fiber laser

**Polymer processing**
- Extrusion foaming
- Bridging foaming
- Foaming technologies
- Functional films
- Micro foamed materials
- Nano foaming
- Resin coating materials
- Extrusion products
- High density plating
- Sheets
- Strips
- Wires
- CUBE
- Memory disc materials
- Aluminum
- Foils
- Extrusion products
- Superconducting cables
- Superconducting coil
- High-temperature superconducting wires
- Resin coating materials
- Shape-memory alloys
- Alloy design

**Lead storage batteries**
- Lead pipes
- Heat pipe
- Heat transfer tube
- Pipes

**Heat transfer tube**
- Pipes
- Heat pipe

**Cu**
- Copper
- Copper products

**Superconductivity**
- Superconducting coil
- Superconducting cables

**Energy conservation**
- Reducing CO₂ emissions
- Reducing the weight of automobiles
- Safe and stable sharing of electricity
- Energy conservation
- Waste reduction

**Safe and comfortable mobility**
- Safe and comfortable mobility
- Telecommunication in large volumes and at high speed
- Safe and comfortable mobility

**Creating safe and comfortable living spaces**
- Creating safe and comfortable living spaces
- Energy conservation
- Waste reduction
- Energy conservation
- Waste reduction
Contributing to the realization of a sustainable society

In 1884, Furukawa Electric started smelting copper in Honjo, Tokyo and manufacturing electric cables in Takashima-cho, Yokohama. The Furukawa Group’s founder, Ichibei Furukawa, is said to have worked to build a new Japan with the aim of “making Japan brighter.” We have inherited this idea from him and will continue seeking to “make the world brighter” as a unique player with diverse material technologies in fields such as infrastructure and automobiles.

1884 Opens Honjo Copper Smeltery and Yamada Cable Works

1958 Installs an antenna system on Tokyo Tower

1974 Becomes the world’s first company to field experiment optical fiber cables

1989 Commences sale of steering roll connectors (SRCs)

1992 Develops the world’s first 30-40 aluminum alloy for automobile panel materials

1996 Takes over the optical fiber solution business of Lucent Technologies

2001 Achieves the world’s highest level output of 200 mW, using 980 nm laser module for optical amplifiers

2011 Develops a micro ITLA for 100Gb/s optical coherent transmission

2013 Takes over SuperPower Inc., a development and manufacturing company of superconducting wire

2015 Order received for superconducting power cables for the International Thermonuclear Experimental Reactor (ITER)

2016 Developing a 24-GHz rear-area radar monitoring system for automobiles

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Priority business areas that support growth

Furukawa Electric is developing a wide range of products in the six business areas of telecommunications, energy, automobiles, electronic components, construction and new business and development products using metals, polymers, photonics and high frequency as our four core technologies.

Furukawa Electric products are contributing to society in many business areas, including some that have the number one global market share.

Three Business Segments

Three Business Segments

Four Core Technologies

Electronic products & batteries

Communications solutions

Infrastructure

Electronics component materials

Polymers

Energy infrastructure

Copper and Copper Alloy Products

High frequency

Eco wires/cables

Heat-dissipation/cooling products

Industrial power cables

Optical fiber fusion splicers

Optical fiber cables

UV tapes

Three Business Segments

Three Business Segments

Four Core Technologies

Electronics & automotive systems

Metals

Functional products

Functional products

Metals