FURUKAWA ELECTRIC GROUP

# FURUKAWA ELECTRIC

## Corporate profile

**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**

# Technological Genealogy

## –History of multifaced technologies and products–

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.

# 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.

## History of Innovation

- **2016** Developing a 24-GHz rear-area radar monitoring system for automobiles
- **2015** Developing the "α Terminal Series" corrosion proof terminals for aluminum wire harnesses in automobiles
- **2014** Order received for superconducting power cables for the International Thermonuclear Experimental Reactor (ITER)
- **2013** Develops a micro ITLA for 100Gb/s optical coherent transmission
- **2012** Takes over SuperPower Inc., a development and manufacturing company of superconducting wire
- **2011** Develops the world's largest capacity 275kV superconducting power cable
- **2001** Takes over the optical fiber solution business of Lucent Technologies
- **1996** Achieves the world's highest level output of 200 mW, using 980 nm laser module for optical amplifiers
- **1992** Develops the world's first 30-40 aluminum alloy for automobile panel materials
- **1989** Commences sale of steering roll connectors (SRCs)
- **1974** Becomes the world's first company to field experiment optical fiber cables
- **1958** Installs an antenna system on Tokyo Tower
- **1884** Opens Honjo Copper Smeltery and Yamada Cable Works


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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

Bound to Innovate