Driving our Group forward with enthusiasm and energy, to further strengthen the Furukawa Electric brand.

Furukawa Electric Group’s Corporate Philosophy is “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.” And, from our founding in 1884 to the present day, we have developed a wide range of products throughout the world in infrastructure areas such as telecommunications and energy, automobile parts area, and electronics area around our four core technological capabilities in metals, polymers, photonics and high frequency, thereby making conveying, connecting, and storing energy, information, and heat the pillars of our business.

Currently, our “Furukawa G Plan 2020” medium-term management plan is underway, with the 2020 fiscal year designated as its final year of operation. As our world undergoes tremendous changes at an unprecedented speed, we will continue to carry out reforms without slowing our pace, and will provide all of our stakeholders with a firm sense of security and high expectations. To do so, we will uphold our slogan of “Passion, Persistence, Pride”, driving our Group forward with enthusiasm and energy to further strengthen the Furukawa Electric brand.

We sincerely thank all of you for your continuing and future support.

President

Keiichi Kobayashi

Corporate Profile

Company name: Furukawa Electric Co., Ltd.
President: Keiichi Kobayashi
Founded: 1884
Established: June 25, 1896
Paid-in capital: 69,395 million yen *
Net sales: 914,439 million yen (Consolidated) ** 440,675 million yen (Non-Consolidated) **
Employees: 50,232 (Consolidated) * 3,925 (Non-Consolidated) *
Head office: Marunouchi Nakadori Bldg., 2-3, Marunouchi 2-chome, Chiyodaku, Tokyo, 100-8322, Japan

*As of March 31, 2020,  **Fiscal year ended March 31, 2020

Scan here for more information on financial condition⇒ https://www.furukawa.co.jp/ir/achievements/
Global Network

Furukawa Electric Group

- **Group employees in total:** 50,232 people
- **Group companies in total:** 126 companies*
- **Consolidated net sales:** 914.4 billion yen

North and Central America
- **Group employees in total:** 7,843 people
- **Group companies in total:** 12 companies
- **Consolidated net sales:** 78.3 billion yen

South America, Europe and others
- **Group employees in total:** 3,012 people
- **Group companies in total:** 17 companies
- **Consolidated net sales:** 82.4 billion yen

China
- **Group employees in total:** 3,045 people
- **Group companies in total:** 18 companies
- **Consolidated net sales:** 75.1 billion yen

Japan
- **Group employees in total:** 11,113 people
- **Group companies in total:** 44 companies
- **Consolidated net sales:** 495.7 billion yen

Asia (Excluding Japan and China)
- **Group employees in total:** 23,219 people
- **Group companies in total:** 35 companies
- **Consolidated net sales:** 183.0 billion yen

*Total of parent company, consolidated subsidiaries and affiliated companies accounted for by the equity method.

*Parent company is included in the number of group companies in Japan.

*Net sales values by regions are calculated by the customers’ locations.

Scan here for more information on Furukawa Electric Group ⇒
https://www.furukawa.co.jp/company/group/japan.html
Brief history of the Furukawa Group companies

The Furukawa Group

The Furukawa Group companies have formed a private organization called Furukawa Sansui-kai, comprising 51 member companies. Led by 10 managing companies, the association attempts to foster close cooperation among Group companies and strives to promote and strengthen the activities of its respective businesses. (As of March 31, 2020)
Three business segments with four core technologies

Product groups with top-class market share in Japan and overseas

Three Business Segments

- Infrastructure
- Electronics & automotive systems
- Functional products

Scan here for more information on products⇒
https://www.furukawa.co.jp/product/
These laboratories take on the challenge of solving future social issues with research aimed at cutting-edge research with great potential and the creation of new business. In addition, it supports the R&D and business of Furukawa Electric Group with cutting-edge analytical technology.

We are engaged in research and development creating new value through the fusion of technologies by integrating basic technologies related to materials (metal, polymer and photonics) and basic technologies related to products such as high-frequency electronics products.

These laboratories utilize the material capabilities of Furukawa Electric to develop electrical equipment parts, lighter parts, heat-related parts, high-performance resin parts and metal products as a core partner for customers in the automobile and electronics areas.

These laboratories are working on development in the telecommunications areas of optical fiber, optical components and optical semiconductors, the deployment of these technologies in 5G-class industrial laser systems, and the development of ultra high voltage cables and special cable that support energy superstructure.

As the core of the Furukawa Electric Group, we will strengthen digital technologies and aim for the achievement of the SDGs and the resolution of social issues.

- **R&D**
  - **Advanced Technologies & R&D Laboratories** (Yokohama, Hitachi, Chiba)
  - **Laboratories for Fusion of Core Technologies** (Tokyo, Niigata, Chiba, Nikko)
  - **Automotive Products & Electronics Laboratories** (Hitachi, Nikko, Shiga, Iwate)
  - **Telecommunications & Energy Laboratories** (Chiba, Hitachi, Mie)
  - **Next Generation Infrastructure Creation Center** (Hitachi)
  - **Digital Innovation Center** (Yokohama)

**New technologies and business creation**
- **Nanotechnologies**
  - **New field research**
  - **Highly conductive, ultra-lightweight materials**
  - **Thermoelectric conversion**
  - **Quantum optical sources**
- **Analysis and simulation technologies**
- **Analytical technology**
- **Reliability technologies**
- **AI application technologies**

**New technologies and business creation**
- **Metal Technologies**
  - **Metal structure control**
  - **Making high-performance metal surface**
  - **Laser processing for metals**
  - **Nano copper material**
- **Polymer material Technologies**
  - **Polymer composition design**
  - **Polymer structure control**
- **Photonics Technologies**
  - **Laser applications** (Material processing, Bio-Medical)
- **High-frequency electronics Technologies**
  - **Electromagnetic field / radio wave propagation analysis evaluation**
  - **High-frequency circuit design and evaluation**
  - **Optical module control circuit / software radar sensing**
- **Rapid prototyping**
  - **New product/new business development**

**Next-generation vehicles and electronics**
- ** Aluminum wire harnesses**
- **Steering roll connectors**
- **Battery status sensors**
- **GaN applied power electronics**
- **Wireless power transfer**
- **Vehicle-mounted high speed communication**
- **Next-generation wire harnesses and components**
- **Technologies utilizing wasted heat**
- **Flexible plastic technologies**
- **Pression injection molding technology**
- **Magnet wire for motor**
- **Thermal management**
- **Copper alloy products (Strips, wire, braid)**
- **Surface finishing of metal products**
- **Copper foil for printed circuit boards**
- **Copper foil for negative electrode collector of lithium-ion batteries**

**Superconductor Products Department**
- **FETI**
  - (Hungary)
- **OF5 Laboratories**
  - (USA)

**Energy saving technologies**
- **Smart infrastructure**
  - **Low-temperature superconducting wire materials**
  - **High-temperature superconducting wire materials**
  - **Superconductor application products**

**Energy saving technologies**
- **New and advanced basic technologies**
  - **Simulation technologies**
  - **Optical systems technologies**
  - **Algorithm development for automotive parts**
  - **Machine learning and artificial intelligence (AI) applications**
  - **Materials development/simulation**
  - **Foamed resin product manufacturing process development**

**Creation of new technologies and new businesses**
- **Open innovation (AI application technologies, I.T., etc.)**
- **Searches for new technologies**

**Smart infrastructure, smart mobility, energy saving technologies**
- **Optical fiber, related technologies**
  - **Ultra low loss optical fiber**
  - **Various commercial application fibers**
  - **Optical fiber amplification technologies**
  - **Optical fiber sensing technologies**
  - **Ultra-fast transmission technologies**
  - **Industrial laser systems, related technologies**
  - **Fiber and optical components for high-power laser fibers**
  - **Software realization, design technologies**

As the only company in the world capable of providing both low-temperature and high-temperature superconducting wire, we help to support the development of highly energy efficient devices.

Drawing on its core technologies, our company develops and manufactures next-generation high-temperature superconductive wire materials.

The Institute is engaged in advanced and basic technology R&D on analysis and simulation technologies regarding materials, devices, and manufacturing processes.

In Silicon Valley, a major beacon of innovation, we are ramping up information gathering on cutting-edge technologies and markets and open innovation with start-up companies and local major universities.

These laboratories are a research organization that has inherited the DNA of Bell Laboratories to lead the optical communications field. They are contributing as a member of the Furukawa Electric Group by advancing basic research in optical fiber and photonics devices and their application.

This is a forum to create open innovation through “joint knowledge, “empathy” and “co-creation” with our guests. Through creative and stimulating communication with the many people who use this laboratory, we will create new innovations towards the realization of an affluent society.
The Furukawa Electric Group is promoting ESG management towards the achievement of Vision 2030

**Furukawa Electric Group, Vision 2030**
In order to build a sustainable world and make people’s life safe, peaceful and rewarding, Furukawa Electric Group will create solutions for the new generation of global infrastructure combining information, energy and mobility.

**Sustainable Development Goals**
Furukawa Electric will contribute to the resolution of social issues, bearing in mind the “Sustainable Development Goals (SDGs)” adopted by the United Nations.

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**Evaluation from outside the company**

The state of incorporation of ESG-related indices at Furukawa Electric and external evaluations and certifications will be introduced. (April 1, 2019 to July 31, 2020)

<table>
<thead>
<tr>
<th>ESG indices</th>
<th>ESG evaluation and certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTSE4Good</td>
<td>Furukawa Electric obtained the “B: Management Level” evaluation for both climate change and water security on the CDP held in 2019. Also, in the CDP Supplier Engagement Rating (SER), we were selected for the Supplier Engagement Leaderboard. (As of February 2020)</td>
</tr>
<tr>
<td>FTSE Blossom Japan Index</td>
<td>Furukawa Electric has been selected as a constituent stock of the “S&amp;P/JPX Carbon Effectiveness Index” and evaluated to be in the 7th decile for decile classification and as “Disclosed” under carbon disclosure status for “capital goods,” where we are a medium-impact industry group. (As of June 2020)</td>
</tr>
<tr>
<td>S&amp;P/JPX</td>
<td>Furukawa Electric was selected as a “Nadeshiko Brand” as implemented jointly by the Ministry of Economy, Trade and Industry and the Tokyo Stock Exchange. (As of March 2020)</td>
</tr>
<tr>
<td>Derwent Top 100 Global Innovators 2020</td>
<td>Furukawa Electric was awarded a “Derwent Top 100 Global Innovators 2020” prize by Clarivate Analytics. (As of February 2020)</td>
</tr>
<tr>
<td>MSCI Japan Empowering Women Index (WIN)</td>
<td>Furukawa Electric signed the Global Compact put forward by the UN on February 24, 2020.</td>
</tr>
<tr>
<td>Nadeshiko Brand</td>
<td>Furukawa Electric Group’s 2030 greenhouse gas reduction target was certified by the Science Based Targets (SBT) initiative. (Acquired in August 2019)</td>
</tr>
<tr>
<td>SOMPO Sustainability Index</td>
<td>Furukawa Electric agreed to the proposals of the Task Force on Climate-related Financial Disclosures (TCFD) in January 2020.</td>
</tr>
</tbody>
</table>

Furukawa Electric has been selected as a constituent stock of the “MSCI Japan Empowering Women Index (WIN)” (As of June 2020)

**2020 CONSTITUENT MSCI JAPAN EMPowering Women INDEX (WIN)**
Furukawa Electric has been selected as a constituent stock of the “MSCI Japan Empowering Women Index (WIN)” (As of June 2020)

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**2020 SOMPO Sustainability Index**
Furukawa Electric has been selected as a constituent stock of the SOMPO Asset Management “SOMPO Sustainability Index.” (As of June 2020)

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