

Pursuing sustainability through business

Our management philosophy has been to contribute to society by providing new value through our businesses and products. In other words, through business, we are to create not only economic but also environmental and social value for all stakeholders, including the industries our customers are in. We are committed to further integrating sustainability into our businesses to help solve various issues, such as those mentioned in the SDGs.

[Applications / Customer industries]

Engineered Materials

Copper foils



Exhaust gas purifying catalysts for motorcycles and four-wheeled vehicles



Metal powders



Battery materials



Abrasive materials



ITO sputtering target



Ceramic filter



Metals

Zinc



Hydropower generation



Geothermal heat supply



Automotive Parts & Components

Door latches for automobiles



Affiliates Coordination

Heat sinks



For semiconductor package substrates

Electro-deposited copper foil is used for wiring materials in fine circuits. In particular, Mitsui Kinzoku has a high market share in extremely-thin copper foil. These products contribute to the better performance of electronic products, such as smaller smartphones.

For motorcycles

We help keep the global environment clean by detoxifying substances, such as CO and NOx, that can cause air pollution. We are also increasing the supply of catalysts for four-wheeled vehicles in the global market.

For MLCCs (multi-layered ceramic capacitors)

Demand for MLCCs has been growing rapidly along with the electrification of automobiles, higher functionality of smartphones, and widespread application of IoT. We contribute to this field by providing materials that help the advancement of MLCCs, such as smaller sizes and larger capacity.

For hybrid cars

Mitsui Kinzoku started providing materials for batteries in the 1940s and started developing materials for rechargeable batteries ahead of many other companies. Since the 1990s, we have been supplying hydrogen storage alloys for batteries used in hybrid cars.

For glass substrates

These materials are essential for polishing high-performance glass, such as optical lenses, hard disk glass substrates, and liquid crystal glass substrates. Mitsui Kinzoku's strength lies not only in nonferrous metal materials but also in rare-earth products.

For LCDs (liquid crystal displays)

ITO (indium tin oxide) is an essential material in making transparent conductive films for LCDs. We also supply IGZO sputtering targets for thin film transistors.

For tubular filtration systems for molten aluminum

They are used in the aluminum rolling sector as filters to remove non-metallic inclusions from molten aluminum. We accommodate individual customer needs by offering a wide variety of mesh sizes.

Anti-corrosive coating on steel sheets

These products are mainly used to protect iron from corrosion. We offer not only standardized products across the world, including high-grade zinc and distilled zinc, but also customized products such as formulated zinc.

Renewable energy generation (hydropower)

We engage in hydropower generation, taking advantage of geographic conditions around our mines. Kamioka Mining and Smelting has 10 hydropower plants, of which the oldest one started operating in 1917. The Huanzala mine and the Pallca mine, both in Peru, also have hydropower plants and supply some of the electricity to neighboring villages free of charge.

Renewable energy generation (geothermal steam)

Since 1995, we have been supplying geothermal steam to the Yanaizu-Nishiyama Geothermal Power Station, which is operated by Tohoku Electric Power Co., Inc. Geothermal power plants use the underground resource of natural steam to rotate turbines.

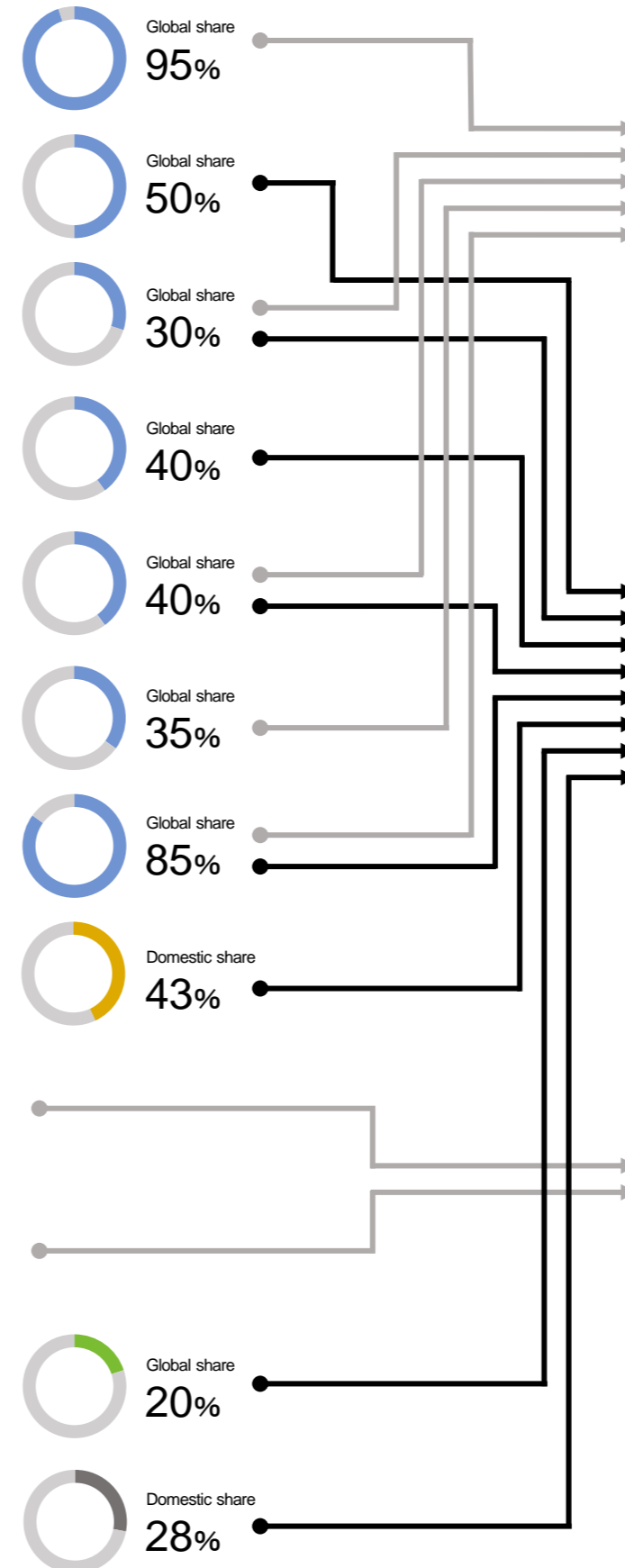
For automobiles

These functional parts keep the doors firmly in place on the vehicle body, playing an essential role in ensuring passenger safety. Our development efforts focus on smaller and lighter products as well as high-performance products such as sliding door systems.

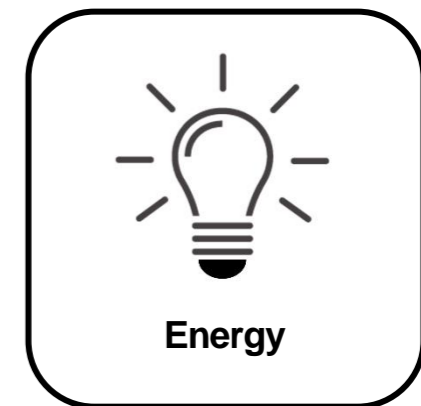
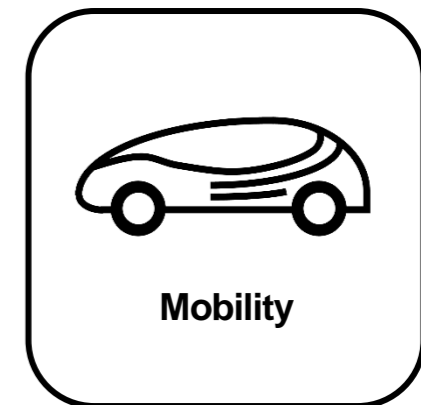
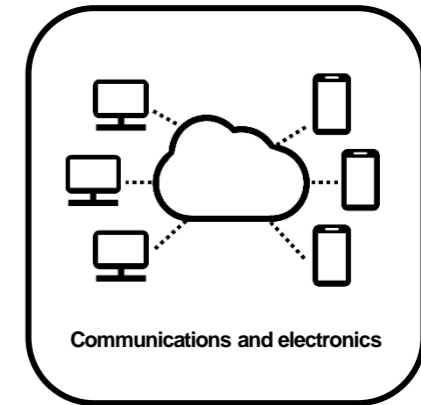
For LED car headlight units

Heat sinks are used for LED headlights to prevent them from losing their brightness because of heat. By ensuring visibility, they contribute to better safety in a wide range of heat sinks, including general die-casting alloys as well as alloys with high thermal conductivity.

[Market share]



[Markets where our business and products can contribute]



Take zinc metal for example. Zinc-coated steel sheets are primarily used for building materials. We also supply copper, a material for electric wire that is essential in communication. Mitsui Kinzoku Group offers various other products and services to help build urban infrastructure, develop industries, and improve quality of life.