History of Value Creation

In recognition of our mission as a stable provider of nonferrous metal resources and materials to society, the Group has, since our founding in 1905, strived to generate new value even while answering the various changes in the business environment. We are determined to continue forward, taking on the challenge of contributing to the development of sustainable economies and societies through innovation in resources and materials.

1914 Built the Hitachi Giant Stack

The rapid growth of the Hitachi Mine's business led to severe smoke pollution in its surrounding area. To deal with the pollution, the Company built what was then the world's tallest stack, at 155.7 meters. It began operation in March of the

1978 Built new recycling furnace

A new recycling furnace making use of smelting techniques was built at the Hitachi Smelter & Refinery, marking the launch of the Company's Recycling and Environmental Services Business. Using this furnace, we pursued the business of reclaiming valuable metals from plating sludge and other industrial waste.

1929 1905 Nippon

1992 Spinoff of Nippon Mining's metals and metal fabrication businesses

June 2020 **Relocated Headquarters** to the Toranomon area



The Okura Prestige Tower

Net Sales

1,293.0 bil. yen (fiscal year ended March 2022)

No. Of Employees 10,113

(as of March 31, 2021)

2017

ENEOS Holdings) Born JXTG Holdings was established with the merger

2016 name of JX Nippon

Mining & Metals

JXTG Holdings (now

of JX Holdings and Tonen General Sekivu K.K.

1905 Opened the Hitachi Mine

Company founder Kuhara Fusanosuke opened the Hitachi Mine, launching the resources development and smelting and refining businesses. From the very beginning of its operation, Mr. Kuhara actively promoted mechanization and modernization to improve productivity. The Hitachi Mine pioneered the custom smelter, using its full-fledged facilities to process not only ores from its home mine, but also those purchased from



Founder Kuhara

1916

Launched operations at the Saganoseki Smelter & Refinery

In order to further expand the mining, smelting, and refining segments fundamental to the Company's diversified business, the Saganoseki Smelter & Refinery was built in Oita Prefecture. It was one of the largest such plants in Japan. Even to this day, it remains a key location within the JX Nippon Mining & Metals Group, as a leading-edge smelter boasting worldclass technological capabilities and production capacity.



The Saganoseki Smelter & Refinery in 1916

Launched operations at Kurami Works

The launch of operations at the Kanagawa-based Kurami Works marked the Company's earnest entry into the metal fabrication business. It featured the latest rolling mills, producing phosphor bronze and other copper alloy products. By answering the needs of complex markets for diverse, small-lot, and made-to order products, as well as advanced technical demands on products, the Company carved out a solid position for itself in the metal fabrication field.



Kurami Works just after completion

1985

2010

The JX Group (JX Holdings) was born as one of the world's

leading integrated energy,

resources, and materials business

groups, conducting business in

each of the areas of petroleum

refining and sales, oil field development, and

> 2002 Nippon Mining Holdings, Inc.

Merger of Japan Energy and Nikko Metals

Launched operations at Isohara Works

The Company entered the electronic materials business in time for the rise of the electronics industry in the 1980s, making sputtering targets for semiconductors and transparent conductive films for liquid crystal displays, as well as materials for compound semiconductors. By establishing the Ibaraki-based Isohara Works as a new main manufacturing center, the Company expanded into development and manufacturing of copper foil and various electronics materials.



The newly-established Isohara Works

2014

Launched production at Caserones Copper Mine

The Group celebrated the official opening of the Caserones Copper Mine, a resource development project in the Republic of Chile fully funded by Japanese entities providing the Group's first copper concentrate shipments.

February 2021 Acquired all equity in the Caserones Copper Mine through the purchase of equity held by Mitsui Mining & Smelting Co., Ltd. andMitsui & Co., Ltd.



Caserones Copper Mine

2018

Acquired shares in H.C. Starck Tantalum and Niobium GmbH (now TANIOBIS GmbH)

The Group acquired shares of H.C. Starck Tantalum and Niobium GmbH (now TANIOBIS GmbH), a German manufacturer of metal powders, with an eye to expanding its business areas in anticipation of dramatic demand growth for electronic components and devices.



TANIOBIS GmbH (Goslar Plani

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