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

We are determined to continue striving forward, taking on this challenge of contributing to the development of a sustainable economy and society through innovation in the areas of resources and materials.

JX's Growth in Business, and in Value Provided

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 following year.

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.

1992

Nikko Metals Becom ndependent company

June 2020

Relocated Headquarters to the



The Okura Prestige Tower

2021 Net 1,092.1 bil. yen (fiscal year ended March 2021)

No. of 9,887

(as of March 31, 2021)

2017

JXTG Holdings (now **ENEOS Holdings) Born**

JXTG Holdings was established with the merger of JX Holdings and Tonen General Sekiyu K.K.

Changed Japanese name of JX Nippon Mining & Metals

1905 **Established**

1929 Established Nippon Mining

Spinoff of Nippon Mining's metals and metal fabrication

2016

1905

Founder Kuhara Fusanosuke

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



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 Saganosek 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

1964

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-toorder 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

2002 **Established Nippon** Mining Holdings, Inc.

Merger of Japan Energy and Nikko Metals

Launched operations at **Isohara Works**

2010

Birth of the JX Group 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

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



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. and Mitsui & 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



TANIOBIS GmbH (Goslar Plant)

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