

At the Kure Works Akitsu Plant, We Manufacture Products that Protect the Environment.

Research and Development

- We develop new catalysts and DeNOx technologies, evaluate overall performance of DeNOx plants by use of aged deterioration diagnosis of previously delivered catalysts, and develop and evaluate DeSOx technologies in-house.
- We build optimal flue gas treatment systems for total removal of NOx, dust, and SOx.

Pilot Scale Test Facility



DeSOx Pilot Test Plant



Test Plant for Total System of Combustion & Flue Gas Treatment



Central Operation Room

DeNOx Catalyst Test Laboratory

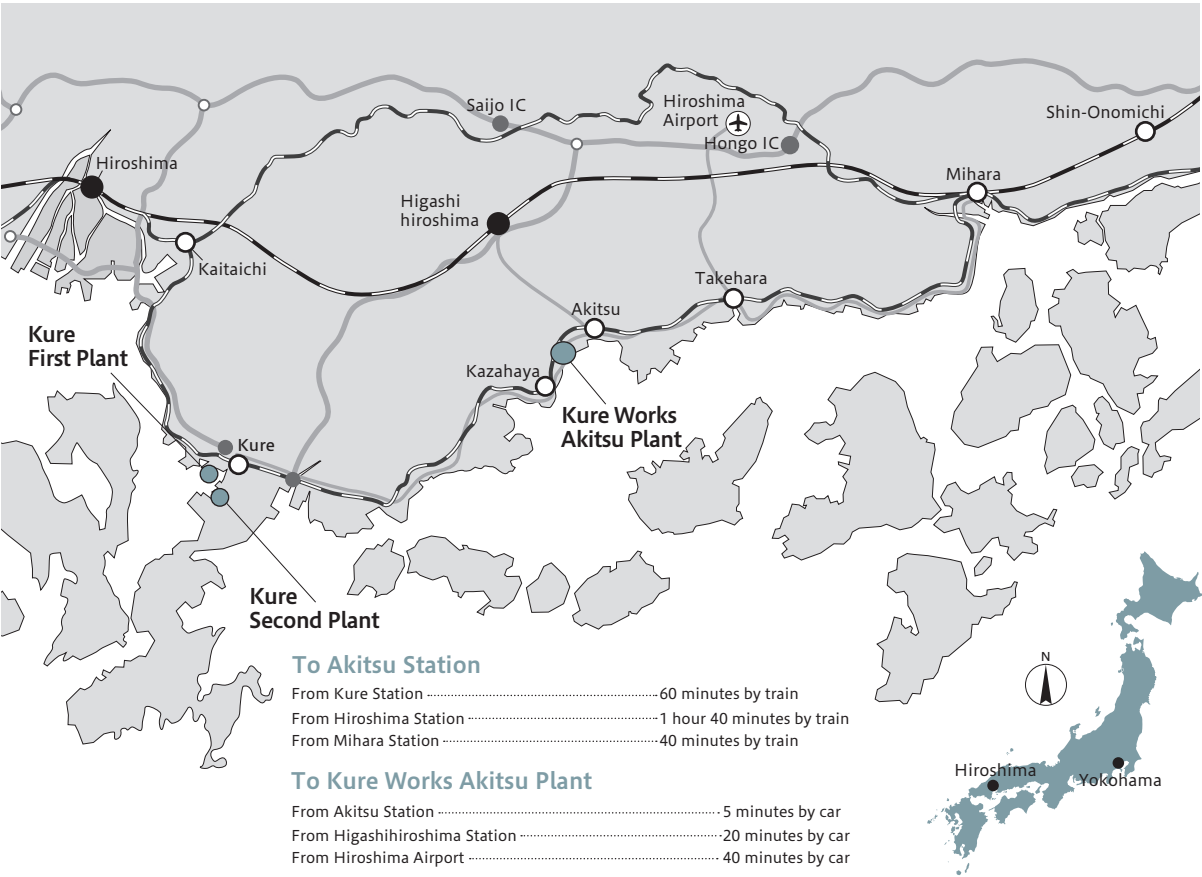


Catalyst Analysis Facility



Catalyst Durability Evaluation Apparatus

Kure Works Akitsu Plant Map



China Catalyst Works (MHHE)



Mitsubishi Power, Ltd.

power.mhi.com/jp

Head Office: 3-1, Minatomirai 3-chome, Nishi-ku, Yokohama, Kanagawa, 220-8401, Japan Phone: +81-45-200-6100

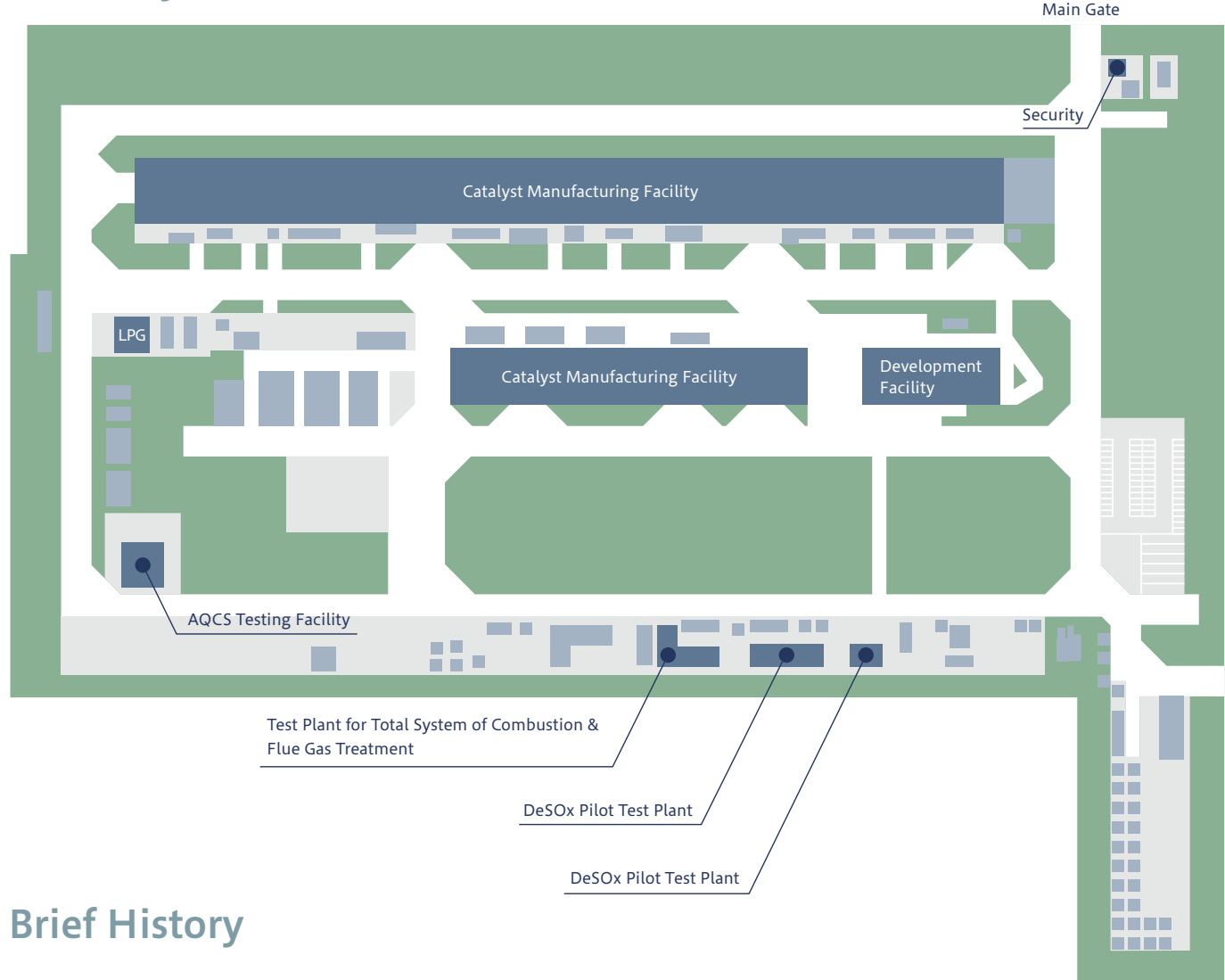
Kure Works: 6-9, Takara-machi, Kure City, Hiroshima, 737-8508, Japan Phone: +81-823-21-1161

Kure Works Akitsu Plant: 3300, Kazahaya, Akitsu-cho, Higashihiroshima City, Hiroshima, 739-2403, Japan Phone: +81-846-45-4225

KURE WORKS Akitsu Area



Plant Layout



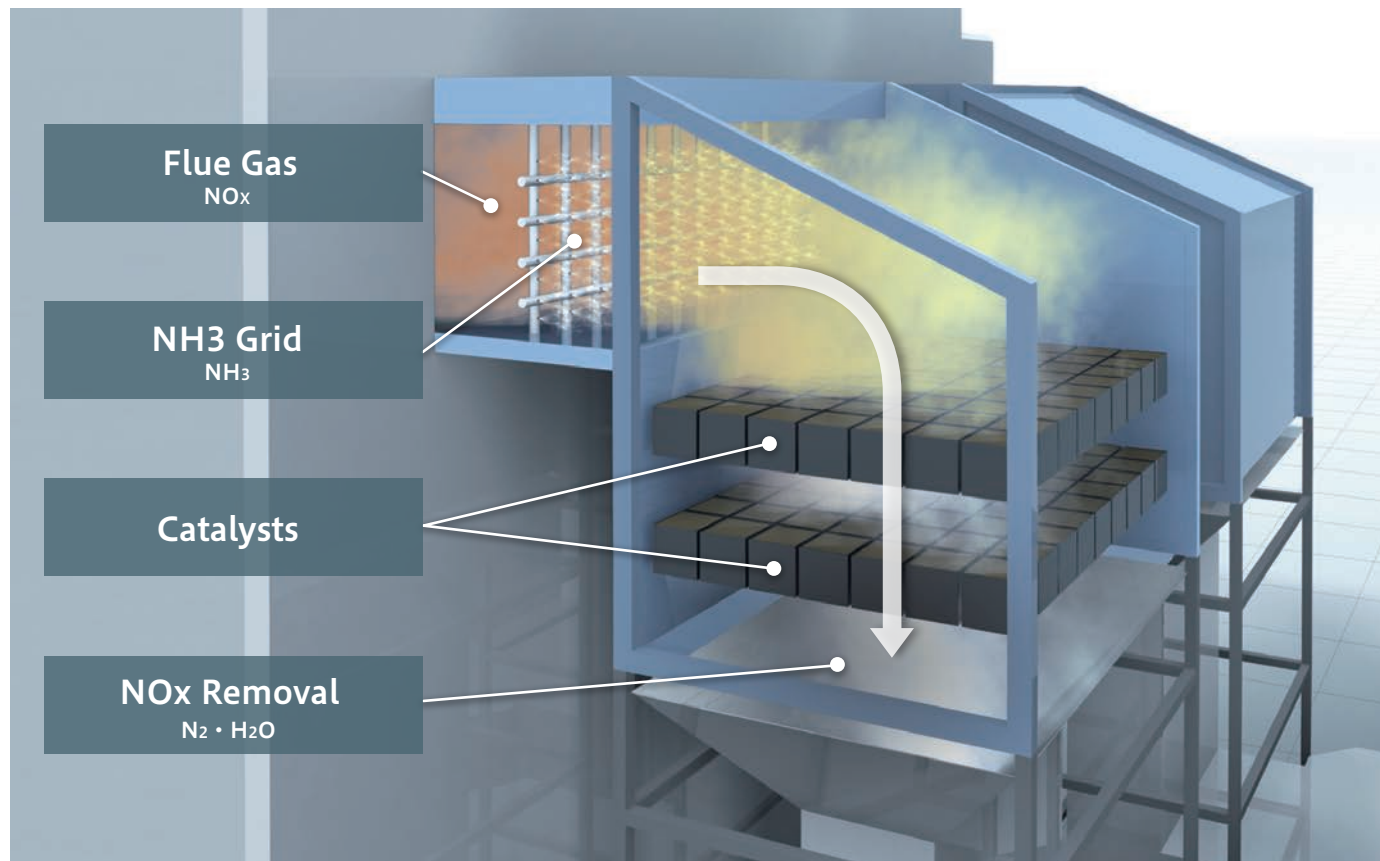
Brief History

- June 1976 DeNOx catalyst production started at Kure Works, Babcock-Hitachi, K.K.
- March 1987 Akitsu Branch, Kure Works, Babcock-Hitachi, K.K. established.
- August 1988 Akitsu Office, Kure Research Laboratory, Babcock-Hitachi, K.K. established.
- October 2014 Mitsubishi Hitachi Power Systems, Ltd. and Babcock-Hitachi, K.K. merged to form Kure Works Akitsu Plant, Mitsubishi Hitachi Power Systems, Ltd.
- September 2020 Name changed to Mitsubishi Power, Ltd.

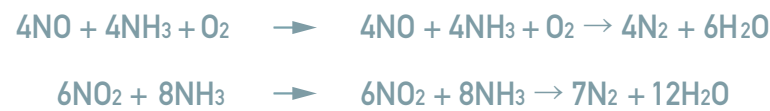
Features of Kure Works Akitsu Plant

- Highly productive catalyst production, with the latest equipment
- Strong development capabilities with on-site development department
- Protects the environment by observing anti-pollution measures
- Rich natural environment with wild birds living on site, due to the promotion of tree planting

Basic Principle of NOx Removal



DeNOx Chemical Reactions



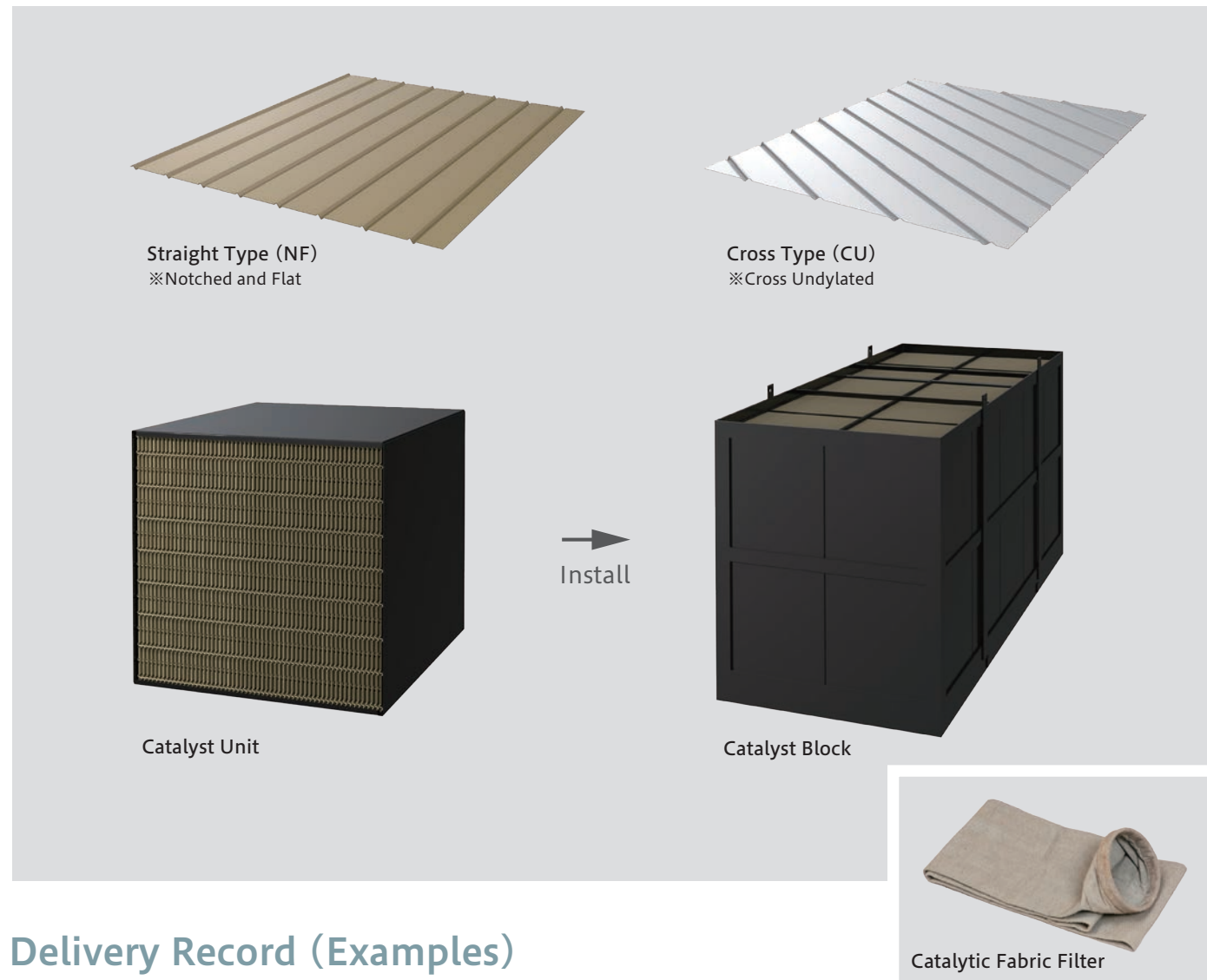
Special Features of Plate Type Catalyst

- (1) High activity and long life
- (2) Low pressure loss
- (3) High resistance against erosion and plugging
- (4) Multilayer catalyst stacking capability for compact reactor
- (5) Easy handling due to shock resistance and high strength
- (6) High quality catalyst due to our automated manufacturing facility



Photo of inside DeNOx reactor after two years of operation

Products



Delivery Record (Examples)

DeNOx Plant (Reactor)

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