



February 27, 2024

Press Release

Company Name: Idemitsu Kosan Co., Ltd.
Representative Director & Chief Executive Officer:
Shunichi Kito
(Company Code: 5019, TSE Prime Market)
Contact person: Daisuke Mogi, General
Manager

Clean Ammonia Production Project in Lake Charles, U.S.A.

Idemitsu Kosan ("Idemitsu") has agreed with Mitsubishi Corporation ("MC") and Proman to participate in the development of the proposed clean ammonia production project(*) in Lake Charles, Louisiana, U.S.A. ("Project").

The Project targets to produce approximately 1.2 million tons of ultra-low carbon clean ammonia (***) per year by FY2030 and will adopt the [SynCOR™](#) of Topsøe A/S and the [Advanced KM CDR Process™](#) developed by Mitsubishi Heavy Industries, Ltd. ("MHI") in collaboration with Kansai Electric Power Co., Inc, which is state-of-the-art low-carbon technology of Japanese company.

Idemitsu aims to establish an ammonia import terminal utilizing the existing infrastructure at the Tokuyama plant (Shunan City, Yamaguchi Prefecture), and supply over 1 million tons of the clean ammonia by 2030 to various industrial companies, including those that produce and supply materials in the chemicals and steel sectors.

MC aims to turn its part of the LPG terminal located in Namikata-cho, Imabari City, Ehime Prefecture, into an ammonia terminal and supply the clean ammonia for various industrial applications, mainly in the Shikoku and Chugoku regions.

Both Idemitsu and MC intend to supply clean ammonia produced by the Project to Japan through these terminals.

As ammonia does not emit carbon dioxide during combustion and can be transported and stored by existing facilities, it is expected to contribute positively to the low-carbon and decarbonization targets of customers in various industries.

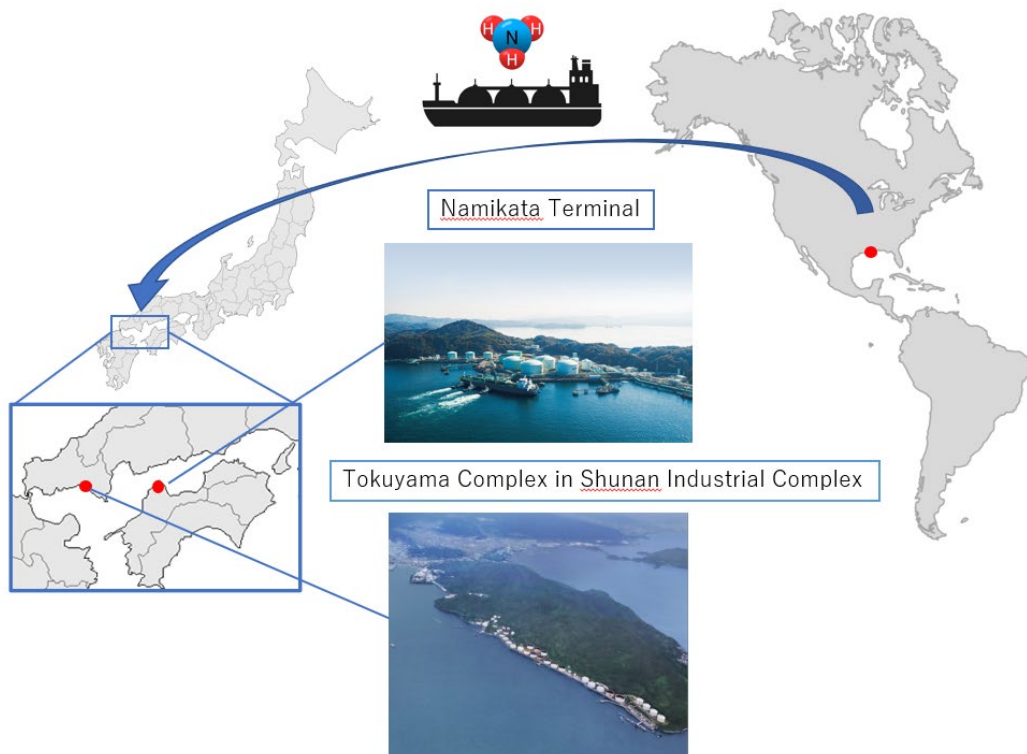
MC, Proman, and Idemitsu will continue to study the feasibility of establishing a robust, large-scale clean ammonia supply chain.

* The project is under FEED process, which has been awarded to MHI and Zachry Group of the U.S.A.

** According to the definition of Clean Fuel Ammonia Association, clean ammonia is defined as the ammonia that reduces more than 60% of CO₂ emissions from during manufacturing (Gate to Gate), based on emissions from the natural gas SMR (steam methane reforming) process. This project targets over 80% CO₂ emission reduction from Gate to Gate and over 70% CO₂ emission reduction from raw material procurement to production (Well to Gate).

<Company Outlines>

<p>Idemitsu Kosan Co., Ltd. Year of Establishment: 1940 Headquarters: 2-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan Representative Director & Chief Executive Officer: Shunichi Kito Main Operations: The Idemitsu Group is engaged in the development, manufacture, and sales of a wide variety areas of Petroleum, Basic Chemicals, High-Performance Materials, Power/Renewable Energy, and in a variety of fields. To achieve carbon neutrality and a circular society by 2050, we aim to develop the three business areas across society : Energy One-Step Ahead, focused on wide-ranging, stable supply of carbon-neutral energy, Diverse Resource Conservation/Circulation Solutions, and Smart Yorozuya, a Japan-wide network of energy and mobility stations.</p>
<p>Mitsubishi Corporation Year of Establishment: 1954 Headquarters: 2-3-1 Marunouchi, Chiyoda-ku, Tokyo, Japan Representative: Katsuya Nakanishi, President and Chief Executive Officer Main Operations: MC engages in a wide range of businesses spanning multiple industries and overseen by its Industry DX Group, Next-Generation Energy Business Group and 10 Business Groups: Natural Gas, Industrial Materials, Chemicals Solution, Mineral Resources, Industrial Infrastructure, Automotive & Mobility, Food Industry, Consumer Industry, Power Solution, and Urban Development.</p>
<p>Proman Year of Establishment: 1984 Headquarters: Samstagenstrasse 41, 8832 Wollerau, Switzerland Representative: David Cassidy, Chief Executive Officer Main Operations: Proman is a global leader in methanol, fertilizer and other natural gas derived products. Using a unique, fully-integrated approach, Proman delivers value across the entire supply chain from project development and production to marketing and logistics.</p>



End