November 27, 2025

Japan Suiso Energy, Ltd.

Kawasaki Heavy Industries, Ltd.

Groundbreaking Ceremony
Key Facility for the Liquefied Hydrogen Supply Chain Commercialization Demonstration Project
Another important step towards the realization of a hydrogen society.

Japan Suiso Energy, Ltd. (JSE, Representative Director and President: Eiichi Harada) and Kawasaki Heavy Industries, Ltd. (Kawasaki, Representative Director, President, and CEO: Yasuhiko Hashimoto) announced that the groundbreaking ceremony for the Kawasaki LH_2 Terminal, a liquefied hydrogen base in Ogishima, Kawasaki City, was held today.

Kawasaki LH_2 Terminal is the key facility for the “Liquefied Hydrogen Supply Chain Commercialization Demonstration” project subsidized by the Green Innovation Fund Project promoted by New Energy and Industrial Technology Development Organization (NEDO). As the world’s first commercial-scale facility handling the liquified hydrogen, this terminal will be equipped with the world’s largest 50,000 m^3 liquefied hydrogen storage tank together with facilities for maritime cargo handling (capable of loading and unloading operations), hydrogen liquefaction, hydrogen gas supply, and lorry dispatch of liquefied hydrogen. JSE will manage the project, while a joint venture led by Kawasaki will be the main contractor responsible for the design and construction of the facilities. Furthermore, the liquefied hydrogen carrier (with a capacity of approximately 40,000 m^3) scheduled for future construction will also be among the largest in the world. Together with the terminal, these facilities will serve as a critical foundation for the full-scale operation of the future hydrogen supply chain.

CG image of Kawasaki LH_2 Terminal

By FY2030, the project will start operating the Kawasaki LH_2 Terminal and a newly constructed liquefied hydrogen carrier, while the requirements for a commercial international hydrogen supply chain (performance, safety, durability, reliability, economics, commercialization) are determined in Japan.

From 2030 onwards, the aim is to import liquefied hydrogen into Japan using liquified hydrogen carriers, and receive and store it at Kawasaki LH_2 Terminal for subsequent supply to domestic hydrogen consumers.

Groundbreaking ceremony in Japan

In the front row, from the left:

Yasuhiko Hashimoto, Representative Director, President, and Chief Executive Officer of Kawasaki Heavy Industries, Ltd.

Norihiko Fukuda, Mayor of Kawasaki City

Takuro Komori, Parliamentary Vice-Minister of Economy, Trade and Industry

Yoshihide Suga, Former Prime Minister, Member of the House of Representatives

Yuko Obuchi, Chairperson, Hydrogen Society Promotion Parliamentary League; Member of the House of Representatives

Tamotsu Saito, President, New Energy and Industrial Technology Development Organization (NEDO)

Eiichi Harada, Representative Director, President, Japan Hydrogen Energy Co., Ltd.

■ Facility overview

Location: Ogishima, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture (JFE Steel Corporation site)

Main facilities: 50,000 m^3 liquefied hydrogen storage tank and facilities for maritime cargo handling (capable of loading and unloading operations), hydrogen liquefaction, hydrogen gas supply, and lorry dispatch of liquefied hydrogen