(Joint press release)

April 10, 2024
Japan Airport Terminal Co., Ltd.
ENEOS Corporation

An Initiative Aimed at Decarbonization of Tokyo International Airport (Haneda Airport) Passenger Terminal Building
Conclusion of Partnership Agreement for the Utilization of CO_2-Free Hydrogen

Japan Airport Terminal Co., Ltd. (President and COO: Yokota Nobuaki; “Japan Airport Terminal”) and ENEOS Corporation (Representative Director & President: Yamaguchi Atsuji; "ENEOS") announce that they have concluded a partnership agreement for a collaborative study on realizing the utilization of CO_2-free hydrogen with the aim of decarbonizing Tokyo International Airport ("Haneda Airport").

Both companies will move forward with studying the introduction of hydrogen power cogeneration[*1] and developing a hydrogen supply infrastructure at Haneda Airport Passenger Terminal building with the aim of implementing the actual utilization of hydrogen by around 2030. This initiative is the first time such systems have been developed in a Japanese airport[*2])

Specifically, the companies will study the supply of CO_2-free hydrogen from the hydrogen supply base in the Keihin Coastal Area to Haneda Airport Passenger Terminal building, and the supply of electricity and heat via hydrogen power cogeneration. Based on this, the companies aim to supply Haneda Airport Passenger Terminal building with electricity and heat generated through hydrogen power generation and reduce CO_2 emissions by around 2030.

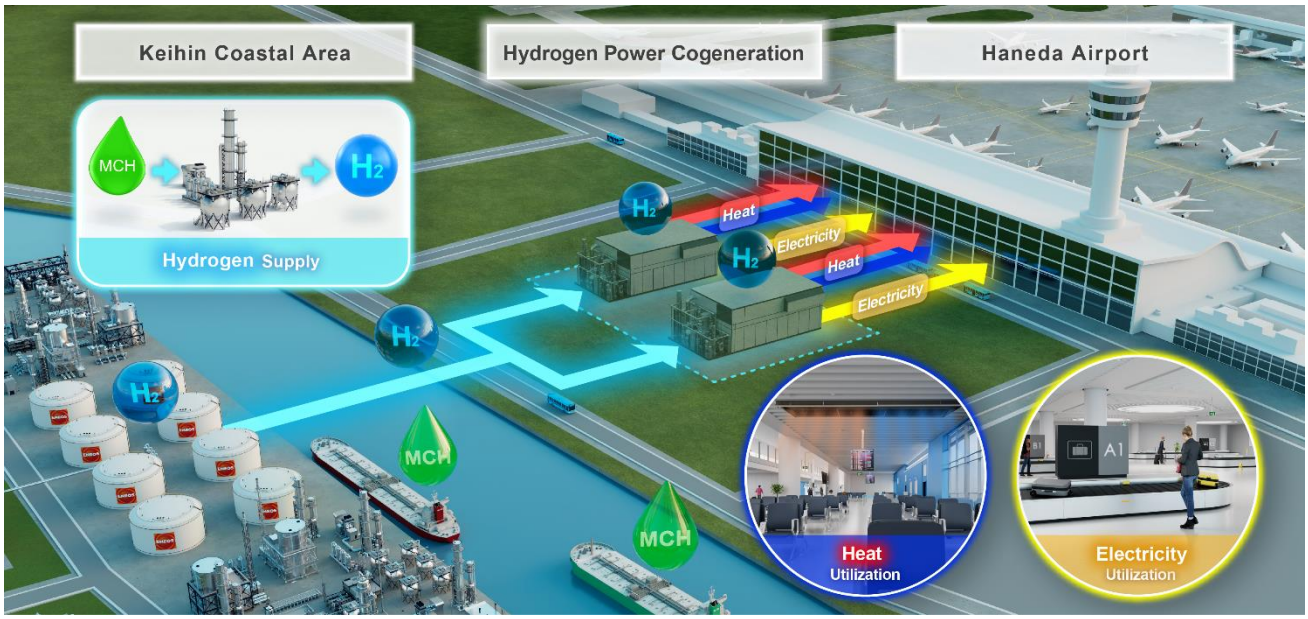
Japan Airport Terminal aims to realize the long-term vision set out by Japan Airport Terminal Group: “To be a World Best Airport - To be the world’s most respected airport, pursuing the satisfaction of all stakeholders.” Setting out “Measures to combat climate change” as one of its materialities, the company is working to reduce its CO_2 emissions by 46% from 2013 levels by 2030, and to make net zero a reality by 2050. As part of these efforts, Japan Airport Terminal has to date pushed forward initiatives aimed at realizing a hydrogen society by working in partnership with the airport and its surrounding area, including undertaking the “Study of CO_2-free Hydrogen Utilization Model in Tokyo International Airport and the Surrounding Area”[*3] together with six private and public sector organizations including two local governments (Ota City and Kawasaki City) and ENEOS.

Having set out on the challenge of achieving both a stable supply of energy and materials and the realization of a carbon-neutral society as part of the Long-Term Vision of the ENEOS Group, ENEOS is accelerating initiatives related to hydrogen projects as a way of contributing toward realizing these goals. As a part of this effort, ENEOS is conducting a study to establish a hydrogen supply chain using methylcyclohexane (MCH)*[4]—a type of organic hydride (LOHC)*[5] which is a hydrogen carrier suitable for the storage and transportation of hydrogen—and other such materials. Furthermore, ENEOS is steadily making the transition to next-generation energy such as sustainable aviation fuel (SAF) and synthetic fuels, taking the lead for “tomorrow’s normal.”

The two companies will study the establishment of a CO_2-free hydrogen supply chain to enable the utilization of hydrogen at Haneda Airport by leveraging the technologies and expertise they have cultivated over the years, aiming to realize a decarbonized society. The companies will also collaborate on various initiatives to promote carbon neutrality in the region as a whole, and contribute to the realization of a sustainable society.

*1 A system which generates electricity while simultaneously recovering the heat created by the generation process.
*2This is the first application of such systems to any passenger terminal building in Japan.
*3 A study commissioned by the New Energy and Industrial Technology Development Organization (NEDO), in the “Hydrogen Production and Utilization Potential Study” under the theme of “Regional Hydrogen Utilization Technology Development,” in the “Development of Technologies for Realizing a Hydrogen Society” project.
*4 A liquid at room temperature and atmospheric pressure with a volume 1/500 that of hydrogen gas. It is characterized by easy handling for storage and transportation.
*5 Liquid organic hydrogen carrier

Scope of study under the partnership agreement



* This figure is only a conceptual image, and the installations and the installation locations have not been confirmed.

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