October 27, 2022

Press Release

Six Private and Public Sector Organizations Collaborate to Investigate Hydrogen Usage in Haneda Airport and the Surrounding Area

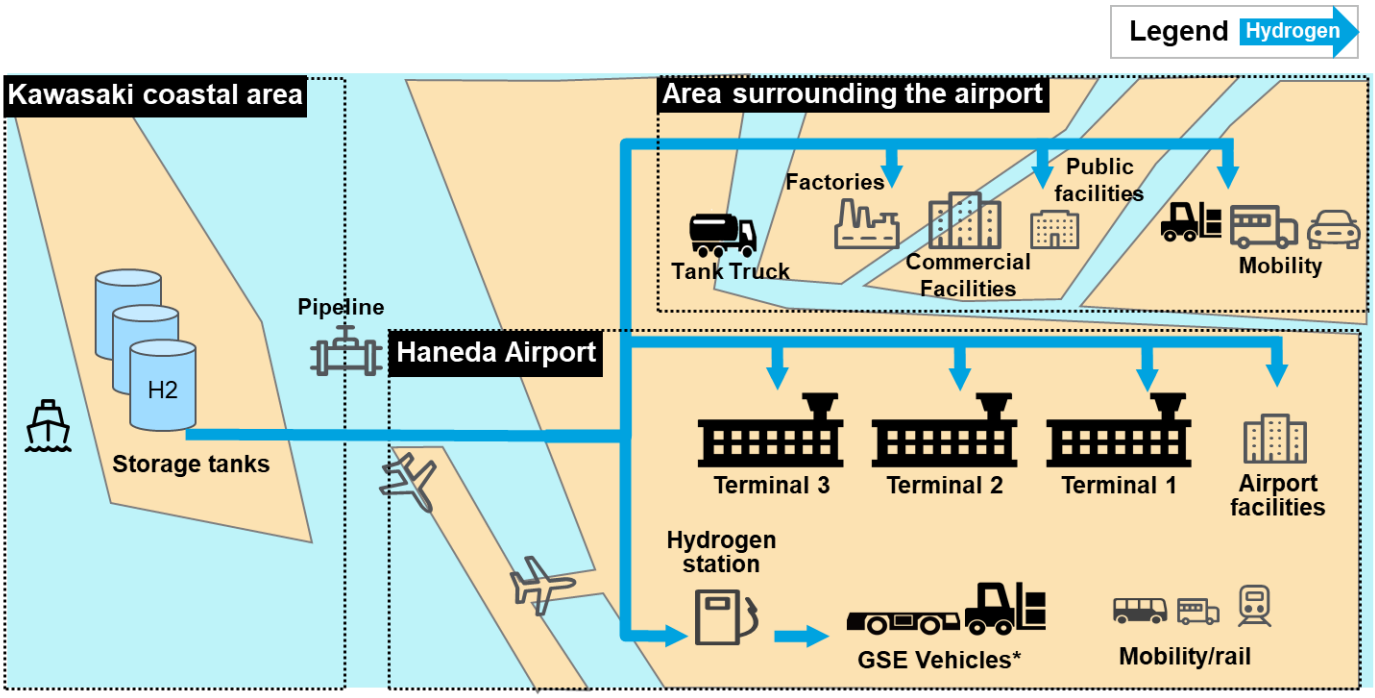
CO_2-free Hydrogen Utilization Model Study Performed as Part of NEDO Project

The Japan Airport Terminal Co., Ltd. (President and COO: Nobuaki Yokota), Airport Facilities Co., Ltd. (President & CEO: Toshiaki Norita), ENEOS Corporation (Representative Director & President: Takeshi Saito), Ota City (Mayor: Tadayoshi Matsubara), Kawasaki City (Mayor: Norihiko Fukuda), and Deloitte Tohmatsu Consulting LLC (CEO: Masato Sase) submitted an application to the New Energy and Industrial Technology Development Organization (NEDO) in response to NEDO's open call for proposals for its "Development of Technologies for Realizing a Hydrogen Society/Development of Technology for Regional Hydrogen Utilization/Study of the Potential for Hydrogen Production and Utilization" project. The proposed "Study of CO_2-free Hydrogen Utilization Model in Tokyo International Airport and the Surrounding Area" (hereinafter "the study"), which will be performed as part of the NEDO project's "study of the potential for hydrogen production and utilization" research and development item, was selected for implementation by NEDO today.

The six parties will perform the study at Tokyo International Airport (located in Ota City, Tokyo, hereinafter "Haneda Airport"), the air gateway to Japan, with the aim of developing a CO_2-free hydrogen utilization model to contribute to the realization of carbon neutrality by 2050. Specifically, the study will investigate the amount of latent demand in the relevant areas with the view to supply Haneda Airport and the surrounding area with CO_2-free hydrogen imported via the Kawasaki coastal area. It will also organize information regarding the methods that will be necessary for supplying that energy, equipment installation policies, and the like, and it will verify the economic benefits and the amount of greenhouse gas reductions that would be possible through the use of CO_2-free hydrogen energy.

Each of the six parties will leverage their own expertise and contribute to the realization of a carbon neutral society by investigating CO_2-free hydrogen supply chains in Haneda Airport and the surrounding area through this study.

<Conceptual image of CO_2-free hydrogen utilization model in Haneda Airport and the surrounding area>



* GSE vehicle: Ground Support Equipment vehicle

<Overview of this study>

Theme	Study of CO_2-free Hydrogen Utilization Model in Tokyo International Airport and the Surrounding Area
Airport	Tokyo International Airport
Main contents of study	● Study of the potential for supplying hydrogen using a model in which hydrogen generated overseas is imported via Kawasaki's coastal area and transported to its demand location, the area in around Haneda Airport ● Study of the demand potential for hydrogen utilization for power, heat, and GSE vehicles on the Haneda Airport grounds and in the surrounding area ● Study of economic benefits and greenhouse gas emissions reductions ● Study of prior usage cases and technology trends in Japan and abroad
Study period	October 2022 – September 2023 (TBS)
Participants and their primary roles	Japan Airport Terminal Co., Ltd. (representative and managing company) ● Study of use of hydrogen for power and heat on the Haneda Airport grounds ● Study of demand for hydrogen by Haneda Airport facilities AIRPORT FACILITIES CO., LTD. (deputy managing company) ● Study of use of hydrogen for GSE vehicles on the Haneda Airport grounds ● Study of demand for hydrogen by Haneda Airport facilities

	ENEOS Corporation ● Creation of business model for the manufacture, transport, and supply of CO_2-free hydrogen ● Deliberation regarding optimal supply and demand balance, from hydrogen supply to usage Kawasaki City ● Overall coordination ● Support for creation of model for the supply of CO_2-free hydrogen Ota City ● Study of demand for hydrogen in the area surrounding Haneda Airport Deloitte Tohmatsu Consulting LLC ● Project management ● Study of supply method and facility installation timeline ● Verification of economic benefits and greenhouse gas emissions reductions

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