



September 30, 2024
ENEOS Corporation

Completion of Japan's First Synthetic Fuels Demonstration Plant with Ability to Handle the Entire Production Process from Raw Materials

-Ceremony to commemorate the completion of the synthetic fuels demonstration plant

ENEOS Corporation (Representative Director, President: Yamaguchi Atsuji) is pleased to announce the completion of a synthetic fuels demonstration plant (hereinafter, demonstration plant), which had been under construction within its Central Technical Research Laboratory (Yokohama City, Kanagawa Prefecture), and that the commemorative ceremony was held within the laboratory on September 28.

The demonstration plant is Japan's first plant that can handle the entire process of producing synthetic fuels from raw materials. It was constructed with aid from the "Green Innovation Fund" of the National Research and Development Agency New Energy and Industrial Technology Development Organization (NEDO)^{*1} and has begun operations. It is the first time in Japan that green electricity^{*2} is used in the process of producing the raw material CO₂-free hydrogen. The production scale of the demonstration plant is one barrel / day^{*3}.

At the completion ceremony, there was a tour of the demonstration plant, fueling of vehicles, and a driving demonstration. Guests were able to experience the scale of the demonstration plant as well as the similar driving performance of synthetic fuels to gasoline. With further evaluations of the demonstration plant, we will acquire knowledge necessary for scaling up and aim to establish synthetic fuels production technologies at an early stage. Moreover, the produced synthetic fuels are scheduled to be used in a large vehicle driving demonstration at the Expo 2025 Osaka, Kansai, Japan, held from April 2025.

As stated in its Long-Term Vision, ENEOS Group is taking on the challenge of achieving both a stable supply of energy and materials and the realization of a carbon-neutral society. To fulfill our present responsibility — providing a stable supply of energy and materials—and continue to fulfill this responsibility in the future, it is necessary to pursue the energy transition.

Our company will make efforts on diverse energy transition projects, including our work in synthetic fuels which is expected to contribute to building a carbon-neutral society.

*1 The development of production process for synthetic fuels using CO₂ was selected by the National Research and Development Agency New Energy and Industrial Technology Development Organization (NEDO) as their “Green Innovation Fund Project / Development of technology for producing fuel using CO₂, etc.”

*2 Electricity with non-fossil certificates (sustainable energy designated)

*3 One barrel is approximately 159 liters.

[At the completion ceremony]

Ribbon cutting



[Members of parliament and governmental officials who attended the ceremony]

In order from left to right:

- Ooka Toshitaka, Member of the House of Representatives, Chief Secretary of the Parliamentary League for the Promotion of Bio / Synthetic Fuel for Carbon Neutrality
- Yamagiwa Daishiro, Member of the House of Representatives, Deputy Chairperson of the Parliamentary League for the Promotion of Bio / Synthetic Fuel for Carbon Neutrality
- Ota Fusae, Member of the House of Councillors, former Governor of Osaka Prefecture, former State Minister of Economy, Trade and Industry
- Kajiyama Hiroshi, Member of the House of Representatives, former Minister of Economy, Trade and Industry, Chairperson of Research Commission on Comprehensive Energy Strategy , Executive Acting Secretary-General of the Liberal Democratic Party
- Amari Akira, Member of the House of Representatives, Chairperson of the Parliamentary League for the Promotion of Bio / Synthetic Fuel for Carbon Neutrality, former Secretary-General of the Liberal Democratic Party
- Miyata Tomohide, Representative Director and CEO of ENEOS Holdings, Inc.
- Yamaguchi Atsuji, Representative Director and President of ENEOS Corporation
- Ishii Taku, Parliamentary Vice-Minister of Economy, Trade and Industry
- Murase Yoshifumi, Commissioner of Agency for Natural Resources and Energy, Ministry of Economy, Trade and Industry
- Saito Tamotsu, Chairman of National Research and Development Agency New Energy and Industrial Technology Development Organization

(Also attended the ceremony)

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

Yamamoto Sakon, Member of the House of Representatives, former F1 driver, Deputy Chief Secretary of the Parliamentary League for the Promotion of Bio / Synthetic Fuel for Carbon Neutrality

[fueling of a vehicle]



[Explaining the demonstration plant]



[Overall image of the synthetic fuels demonstration plant]

