



October 9, 2025

ENEOS Corporation
WEST JAPAN JR BUS COMPANY
HINO MOTORS, LTD.

**ENEOS, WEST JAPAN JR BUS and HINO MOTORS Achieve 100% Pure
Synthetic Fuel for the Expo Shuttle Bus
—Expo Shuttle Bus Operating on Fuel Fully Synthesized from CO₂—**

ENEOS Corporation (hereinafter “ENEOS”), WEST JAPAN JR BUS COMPANY (hereinafter “WEST JAPAN JR BUS”), and HINO MOTORS, LTD. (hereinafter “HINO MOTORS”) have been operating^{*5,6} the station shuttle bus (hereinafter “Expo Shuttle Bus”) using synthetic fuel^{*3,4} derived from renewable energy for the first time in Japan^{*2} since the opening^{*1} of Expo 2025 Osaka, Kansai, Japan (hereinafter “the Expo”). The companies are pleased to announce that while initially low at the start of the Expo, the purity of the synthetic fuel supplied to the Expo Shuttle Bus has reached 100% through the gradual increase in its concentration in the fuel used.

By operating the Expo Shuttle Bus powered by synthetic fuel, ENEOS, WEST JAPAN JR BUS, and HINO MOTORS have provided many people with the opportunity to experience a carbon-neutral society driven by the future fuel, thereby contributing to the achievement of the “EXPO 2025 Green Vision” set forth by the Expo.

In order to lead society toward carbon neutrality and to provide energy needed for the transition, ENEOS is conducting technological developments and demonstrative projects^{*4} of synthetic fuel as one of the options of the next-generation fuel. Considering a future society in which synthetic fuel will gradually be used, the companies operated the Expo Shuttle Bus over a total distance of approximately 25,000 kilometers, while the concentration of the synthetic fuel supplied was gradually increased to verify a wide range of concentrations, ultimately reaching 100%. Going forward, ENEOS will continue advancing demonstrations in collaboration with fuel suppliers, vehicle manufacturers, and operators, thereby meeting expectations for expanded production and use while preparing for future widespread adoption.

*1 Held 184 days from April 13 to October 13, 2025

- *2 The first use in Japan of synthetic fuel produced from hydrogen and carbon dioxide to operate commercial vehicles.
- *3 Synthetic fuels are clean fuels that can reduce CO₂ emissions throughout the entire product life cycle from production of raw materials to use of the products as it uses hydrogen derived from renewable energy sources and CO₂ as raw materials.
- *4 The development of the production process for synthetic fuels using CO₂ was selected by NEDO (New Energy and Industrial Technology Development Organization) as their “Green Innovation Fund Project / Development of technology for producing fuel using CO₂, etc.”
- *5 ENEOS release published on February 19, 2025
[Operation of Expo Shuttle Bus Using Synthetic Fuel for the First Time in Japan](#)
- *6 ENEOS release published on March 28, 2025
[Unveiling Ceremony of Expo Shuttle Bus Using Synthetic Fuel for the First Time in Japan](#)

100% Pure Synthetic Fuel – Photo taken at the demonstration plant within the ENEOS Central Technical Research Laboratory



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