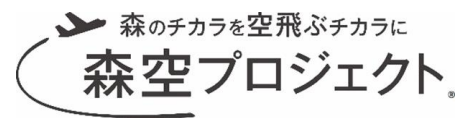




JAPAN AIRLINES



(Joint Release)

Oct. 8, 2025
Japan Airlines Co., Ltd.
MORISORA Bio Refinery LLC

JAL Invests in MORISORA Bio Refinery LLC

- Plant Construction Begins, Targeting Domestic Bioethanol Production Starting 2027 -

Japan Airlines Co., Ltd. (hereinafter "JAL") has invested in MORISORA Bio Refinery LLC (hereinafter "MORISORA Bio Refinery") to advance sustainable aviation fuel (hereinafter "SAF") produced from domestically sourced woody biomass bioethanol.

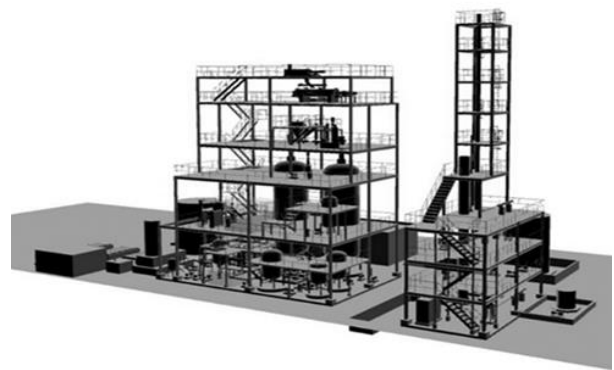
MORISORA Bio Refinery is a joint venture established in July 2025 by three companies: Nippon Paper Industries Co., Ltd. (hereinafter "Nippon Paper"), Sumitomo Corporation, and Green Earth Institute Inc. (hereinafter "GEI"). As part of the "Project MORISORA," the joint venture seeks to commercialize the production and sale of bioethanol and biochemical products derived from woody biomass feedstock. A demonstration plant will be constructed within Nippon Paper's Iwanuma mill in Miyagi Prefecture, using sustainable forest resources such as wood processing residues from the Tohoku region. Utilizing GEI's low-carbon, low-cost bioethanol production technology, the plant aims to produce over 1,000 kiloliters of bioethanol annually starting in 2027.

JAL has promoted the adoption of biofuels for over 10 years and has participated in Project MORISORA since March 2025. (*1) This investment, as an airline company and SAF user, supports the establishment of a "purely domestic SAF" business on wood sourced within Japan.

On October 3, 2025, a groundbreaking ceremony called "Jichin-sai" was held at the demonstration plant site within Nippon Paper's Iwanuma mill. The plant is scheduled for completion in fiscal year 2026, with plans to operate a commercial facility capable of producing tens of thousands of kiloliters of bioethanol and biochemical products annually by 2030.



Groundbreaking ceremony of the demonstration plant



Demonstration plant image

JAL and MORISORA Bio Refinery will continue efforts to scale up mass production and promote purely domestic SAF derived from domestically sourced wood through Project MORISORA, contributing to the realization of a decarbonized society, regional revitalization, and building a sustainable future.

(*1) Release dated March 17, 2025: [JAL, Airbus, Nippon Paper Industries, Sumitomo Corporation, GEI sign MoU to collaborate on pure Japan-domestic wood-based SAF](#)