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NEWS RELEASE

## **Mitsui Kinzoku Reaches Agreement with Wildfire Energy to Jointly Develop Low-Cost Bio-methanol Production Process**

**— Advancing a Demonstration Project with a View to Sustainable Aviation Fuel (SAF) Production —**

Mitsui Kinzoku (President: Shoji Ikenobu) hereby announces that it has reached an agreement with Wildfire Energy<sup>\*1</sup>, an Australian clean energy technology development company, to jointly advance a demonstration project aimed at producing low-cost bio-methanol from biomass and waste feedstocks, with a view to future application in sustainable aviation fuel (SAF).

The project will be implemented with a grant of AUD 3.15 million, announced by the Australian Renewable Energy Agency (ARENA) on July 6, 2026 in its release titled [“Sustainable aviation fuel takes off at Brisbane Airport”](#), together with funding support from Mitsui Kinzoku. By combining Wildfire Energy’s MIHG technology<sup>\*2</sup> with Mitsui Kinzoku’s methanol synthesis technology<sup>\*3</sup>, the project aims to establish a modular process for converting biomass and waste into low-cost biofuels.

The project will run from 2026 through 2028 and include the following two activities:

### **<Pilot Demonstration>**

Mitsui Kinzoku’s methanol synthesis unit will be integrated into the pilot plant at Wildfire Energy’s Brisbane facility to conduct demonstration testing for the production of bio-methanol from a diverse range of feedstocks.

### **<Feasibility Study>**

The study will examine the economic viability and environmental compatibility of a process that treats more than 200,000 tonnes of waste per year and produces bio-methanol at sites in Queensland. It will also include an assessment of upgrading bio-methanol into SAF.

Guided by its corporate purpose, “We promote the well-being of the world through a spirit of exploration and diverse technologies,” Mitsui Kinzoku will continue to pursue its 2030 Vision of becoming a company that creates new businesses through the intelligent use of materials, thereby contributing to the realization of a sustainable society.

## 【Contact】

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## [Reference]

\*1 Wildfire Energy Pty Ltd.      Company website: <https://www.wildfireenergy.com.au/>

Based in Brisbane, Australia, Wildfire Energy is a clean energy technology development company. Using its proprietary MIHG technology, the company is engaged in the development of technologies to convert waste and biomass into renewable energy and fuels.

\*2 MIHG technology (Moving Injection Horizontal Gasification)

A gasification technology that converts biomass, municipal solid waste (MSW), and other feedstocks into high-quality syngas without the need for pre-treatment or sorting.

\*3 Mitsui Kinzoku's methanol synthesis technology

Developed jointly with eSep Inc. (Kyoto, Japan), this proprietary membrane reactor technology combines nano-porous ceramic membranes with a methanol synthesis catalyst. This innovative technology achieves high methanol yields without the unreacted-gas recycling required in conventional methanol synthesis processes.