



2 August, 2021

JGC HOLDINGS CORPORATION  
Revo International Inc.  
Cosmo Oil Co., Ltd.  
JGC JAPAN CORPORATION

**"Establishment of a Supply Chain Model for Bio-jet Fuel Production from Domestic Used Cooking Oil"  
Selected as a NEDO (New Energy and Industrial Technology Development Organization) Project**

**【Announcement Points】**

- "Establishment of a Supply Chain Model for Bio-jet Fuel Production from Domestic Used Cooking Oil" was selected as a public call project of NEDO (New Energy and Industrial Technology Development Organization).
- While SAF (Sustainable Aviation Fuel) production and supply on a commercial scale has not been realized in Japan, by demonstrating and constructing a SAF manufacturing supply chain model using used cooking oil as a raw material, we aim to start the full scale supply by 2025.

JGC Holdings Corporation (Representative Director, Chairman, and CEO: Masayuki Sato, Head Office: Nishi-ku, Yokohama City, Kanagawa Prefecture, hereinafter referred to as "JGC HD"), REVO International Inc. (Representative Director: Tetsuya Koshikawa, Head Office: Fushimi-ku, Kyoto City, Kyoto Prefecture, Japan, hereinafter referred to as "REVO International"), Cosmo Oil Co., Ltd. (President, Representative Director: Yasuhiro Suzuki, Head Office: Minato-ku, Tokyo, hereinafter referred to as "Cosmo Oil") and JGC Japan Corporation, a domestic EPC company of the JGC Group (Representative Director, President: Shoji Yamada, Head Office: Nishi-ku, Yokohama City, Kanagawa Prefecture, hereinafter referred to as "JGC") have announced that their joint proposal for "Establishment of a Supply Chain Model for Bio-jet Fuel Production from Domestic Used Cooking Oil" has been selected as a public call project of the New Energy and Industrial Technology Development Organization (hereinafter referred to as "NEDO") : "Bio-jet fuel production technology development business / development of supply chain model through demonstration" in the SAF production technology development business (hereinafter referred to as "NEDO Project") .

With the selection of the NEDO Project, we plan to receive subsidies from NEDO for the following costs: business study cost for the start of SAF production and supply, cost of design and construction of SAF production facilities, cost of demonstration operation and utility supply, and study cost of procurement of used cooking oil as raw material.

In addition, Odakyu Electric Railway Co., Ltd., which has experience in the circular economy business (recycling business), will participate in this NEDO Project as a consignment business partner of JGC HD. We aim to develop and demonstrate a smart IT system for the collection of used cooking oil.

In the future, we will further accelerate business development toward the establishment of a SAF supply chain through this NEDO project. We aim to have SAF production facilities up and running and to start supplying SAF by 2025. In addition, we will continue to promote the reduction of GHG emissions and aim to create a sustainable, recycling-oriented society.

## 【Reference information】

### 1. NEDO Project

#### (1) Overview

Against the backdrop predicted long-term growth of aviation demand, the International Civil Aviation Organization (ICAO) and other aviation organizations have been urgently addressing the issue of combatting global warming through the reduction of greenhouse gas emissions. The introduction of SAF has been identified as one of the most necessary and indispensable solutions.

This NEDO project will focus on SAF production technology that can technically realize the envisioned scale of future production. (A supply chain model for SAF production and supply to airports, based on SAF production technology that could be commercialized in the future) for which a supply chain model for SAF will be established at an early stage.

#### (2) Period of Operation

FY2021-FY2024

### 2. SAF Production and Supply Chain Model Development Overview



## **[Information on Each Company]**

### **JGC Holdings Corporation**

As one 'Materiality' to be aimed for by the group, JGC HD seeks to bring about an "Environmentally friendly society" by exerting efforts towards the commercialization of a variety of activities including the construction of LNG (Liquified Natural Gas) plants with low environmental burden, biomass power generation, photovoltaic power plants and other forms of sustainable energy as well as replacements for micro-plastics and the manufacture of silicon substrates for thermal conduction used for HV/EV, hydrogen energy (CO<sub>2</sub>-free ammonia), the chemical recycling of waste plastic and other businesses. In addition, JGC Japan Corporation, which operates the domestic EPC business of the JGC Group, possesses extensive experience in building many plants and facilities in the energy, general industrial and other fields in Japan.

In the subject collaboration, JGC aims to contribute to the optimization of the overall value chain as well as the planning and construction of efficient and economical production facilities by utilizing its engineering technologies and project management capabilities cultivated through JGC's many years of experience.

Home Page: <https://www.jgc.com/en/>

### **Revo International Inc.**

Revo International has built a unique track record as a business pioneer including the formation of a transaction network for Used Cooking Oil nationwide, the production and sales of biodiesel fuels in Japan and other countries over many years using its proprietary manufacturing process together with the establishment of integrated operations covering raw materials procurement, technology development, production and sales, and cooperation in formulating Japan's first quality standards.

The company intends to further expand the transaction network for Used Cooking Oil and to ramp up the procurement of new raw material fats. In the subject collaboration, the company hopes to encourage domestic demand, broaden the use of cyclical biomass resources, and to build local cyclical ecosystems.

Home Page: <https://www.e-revo.jp/english/>

### **Cosmo Oil Co., Ltd.**

Based on our mission of a safe and stable supply of energy, which is indispensable to our daily life, the Cosmo Energy Group to which Cosmo Oil belongs has grown by having petroleum and petrochemical as its core business and is now growing renewable energy business from the perspective of long-term changes in the business environment.

Setting out our Group Management Vision as "Harmony and symbiosis between our planet, man and society". And based on our 6th Consolidated Medium-Term Management Plan "Oil & New" we utilize our strengths, to develop our SS (Service Station) network for the next-generation mobility society, to promote eco-friendly electricity sales, and to expand production of clean energy, mainly from wind power generation. Through these businesses including that represented by this venture, we aim to achieve carbon net zero by fiscal year 2050, as well as resolve social issues and help build a sustainable society.

Home Page: <https://www.cosmo-oil.co.jp/eng/index.html>

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