

Establishment of "ACT FOR SKY" a voluntary organization working for the Commercialization, Promotion and Expansion of Domestically Produced SAF

~Aims to raise awareness of SAF and contribute to the decarbonization of the aviation sector~

JGC HOLDINGS CORPORATION (Headquarters: Nishi-ku, Yokohama, Representative Director, Chairman and Chief Executive Officer: SATO Masayuki), REVO International Inc. (Headquarters: Fushimi-ku, Kyoto, President : KOSHIKAWA Tetsuya), All Nippon Airways Co., Ltd. (Headquarters: Minato-ku, Tokyo, President: HIRAKO Yuji, Representative Director and Chief Executive Officer) and Japan Airlines Co., Ltd. (Headquarters: Shinagawa-ku, Tokyo, President: AKASAKA Yuji, Representative Director) today*¹ jointly established "ACT FOR SKY," a voluntary organization that works to commercialize, promote and expand the use of domestically produced sustainable aviation fuel (SAF).*²

"ACT FOR SKY" with "ACT" representing the cooperation and collaboration by companies committed to take "action" for these goals–will aim to raise awareness among citizens and companies of the importance of SAF, carbon neutrality and achieving a circular economy. Applying expertise across relevant industries, the four founding companies will coordinate the activity of other member companies as well.



Background

- A rapidly growing global need to reduce CO₂ emissions has called for the aviation industry to accelerate the development, production, distribution, and use of SAF. This fuel is sourced from sustainable resources such as tallow (animal oils and fats), used cooking oil (UCO), biomass, municipal solid waste, exhaust gases, and CO₂.
- As global SAF demand grows, a stable supply of domestically produced SAF is considered essential in Japan. However, domestically produced SAF has not been commercialized yet, and establishing stable supply chain, from procurement of feedstock to supply of SAF, remains an urgent issue.
- Compared to Europe and the U.S, where SAF is already being commercialized, and its awareness is relatively strong, it is necessary to raise the awareness of SAF in Japan as well.

Overview of activities

- Promotion of the members' activities toward decarbonization and a circular economy through the domestic production of SAF
- Discussions and analysis on the costs to achieve these goals
- Raise awareness on carbon neutrality, through local governments and education
- Exchanging information among members, for next actions
- Share information on how other countries are acting for SAF promotion
- Identify common issues for domestic SAF production, and share the information and analysis gathered with related organizations

Specific member initiatives

ACT FOR SKY consists of the following 16 members (as of March 2, 2022).

"ACT" member companies: Companies/organizations directly involved in domestic SAF business (founding companies in bold)

Company	Details of initiatives
IHI Corporation	Contribution to realization of carbon neutrality in aircraft by SAF production, certification and use
Idemitsu Kosan Co.,Ltd.	SAF production and supply
ITOCHU Corporation	Establishment of commercial-scale SAF production technology and creation of supply chain of SAF
ENEOS Corporation	Production of sustainable aviation fuel from municipal solid waste
Cosmo Oil Co., Ltd.	SAF Production from UCO
All Nippon Airways Co., Ltd.	SAF procurement and utilization

Taiyo Oil Company, Limited	Study for production of SAF using woody biomass or CO ₂
Toyo Engineering Corporation	SAF production with Fischer-Tropsch (FT) technology
JGC HOLDINGS CORPORATION	SAF production from UCO
Japan Airlines Co., Ltd.	SAF procurement and utilization
Marubeni Corporation	SAF Project Development (derived from municipal solid waste etc.)
Mitsui & Co., Ltd.	To develop SAF business by utilizing ATJ technology
Mitsubishi Heavy Industries, Ltd.	The biomass gasification system
REVO International Inc.	SAF production from UCO

"SKY" member companies: Companies/organizations essential in establishing supply chains for domestic SAF

Company	Details of initiatives
Odakyu Electric Railway Co., Ltd.	Optimizing collection of resources and waste, and also promoting measures to enhance resource circulation in the region through our waste management business WOOMS
NISSIN FOODS HOLDINGS CO., LTD.	Contribution to feedstock (used vegetable oil) supply of SAF

Future development

Along with a variety of other stakeholders, ACT FOR SKY will promote and expand the domestic production of SAF, which will lead to the development of aviation network in Japan and the industry related to SAF production. Together, we will establish a sustainable society.

ACT FOR SKY logo

Created by: Housui Yamaguchi, calligrapher

Behind the logo design:

Blue ink: A beautiful blue sky

Calligraphic style: Dynamic, linked to action

Symbolism of calligraphy: Japan, domestic production

*1: Date established: March 2, 2022

*2: SAF is a fuel achieving significantly lower CO₂ emissions compared to the conventional jet fuel over its life cycle, from production or collection of feedstock (such as biomass, used cooking oil, or exhaust gas) to manufacturing and combustion. Existing infrastructure can be used without modification.

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