The following reporting is an English-language translation of the original Japanese-language document provided for your convenience. In the event there is any discrepancy between the Japanese and English versions, the Japanese version is presumed to be correct.

June 30, 2025

Green Bond Reporting

(JGC Holdings Corporation Eighth Series of Unsecured Straight Bonds)

1. Allocation Reporting (as of March 31, 2025)

The funds raised by the Eighth Series of Unsecured Straight Bonds (with inter-bond pari passu clause) (Green Bond) issued by the Company on September 19, 2023, have been applied to qualified projects as follows.

(Unit: Billions of yen)

Target Projects	Appropriation
Sustainable Aviation Fuel (SAF)	50
High Thermal Conductivity Substrates	40
Bio Manufacturing	10
Total Appropriation	100
Unappropriated Amount	0
Total Amount Raised	100

There is no refinancing applicable.

2. Impact Reporting

The following is a summary of each qualified project to which a portion of the funds raised through this Green Bond were allocated and various indicators of the environmental improvement benefits of each project.

< Sustainable Aviation Fuel (SAF)>

Project Summary

Using waste cooking oil as a raw material, the company produces Sustainable Aviation Fuel (SAF), a highly sustainable fuel that is not expected to compete for food or cause deforestation. Like fossil fuels, bio-based fuels emit carbon dioxide (hereafter referred to as CO_2) during combustion, but they are regarded as carbon-neutral fuels because they absorb CO_2 through photosynthesis in the growth process of the plants used as raw materials. In order to use SAF as a fuel that contributes to the decarbonization of aviation, it is necessary to obtain certification of compliance with sustainability standards from a third-party organization in accordance with the sustainability certification scheme defined by CORSIA (Carbon Offsetting and Reduction Scheme for International Civil

Aviation). In obtaining certification to these standards, there is a process in place to verify the CO_2 reduction benefits of a project using life cycle-based CO_2 emission intensities defined by ICAO (International Civil Aviation Organization) based on raw materials and manufacturing technologies. The project will be led by SAFFAIRE SKY ENERGY LLC, a joint venture established by Cosmo Oil Co, Ltd., REVO International Inc., and our company, and will be the first large-scale domestic SAF production project in Japan, using only waste cooking oil produced in Japan as feedstock. The production equipment is under construction at the Sakai Refinery of Cosmo Oil, and is working to demonstrate a supply chain model for SAF production from waste cooking oil through the supply of approximately 30,000 kiloliters of SAF per year. One of the major challenges of this project is to secure waste cooking oil as a raw material, and we believe that it is essential to cooperate with many stakeholders in order to secure a stable supply of domestically generated waste cooking oil. The "Fry to Fly Project" was launched in April 2023 with the aim of realizing a decarbonized society through domestic resource recycling. At present, about 200 organizations, including local governments and companies, are participating in the project to create value by realizing a decarbonized society through resource recycling, starting with the production of domestically produced SAF from waste cooking oil.

Project Progress

The construction of the manufacturing facility, which commenced in May 2023, was completed in late December 2024. A formal completion ceremony was held in March 2025. Production began in April 2025, followed by the initiation of SAF supply to both domestic and international airlines. This marked the establishment of Japan's first domestically produced SAF supply chain.

In early December 2024, SAFFAIRE SKY ENERGY LLC, Cosmo Oil Co., Ltd., and Cosmo Oil Marketing Co., Ltd. jointly obtained ISCC CORSIA certification. This certification was granted to a series of companies forming the supply chain—from the procurement of used cooking oil to the production, storage, and distribution of SAF and bio-naphtha to end users such as airlines. As a result, Japan is now capable of supplying domestically produced SAF and bio-naphtha that meet international certification standards.

Total Project	CO_2 Emission Reduction Contribution
Project Cost	(Estimated)*1

Expected GHG Reduction Contribution after Production Starts

Entire Project	18.5 billion yen	73,687 t-CO ₂ /year
Allocation of Green Bond Funds	5 billion yen	19,915 t-CO ₂ /year

*1 Estimated using life cycle CO₂ emissions intensity published by ICAO (International Civil Aviation Organization) for certification of compliance with CORSIA (Carbon Offsetting and Reduction Scheme for International Civil Aviation) sustainability standards.

<High Thermal Conductivity Substrates>

Project Summary

Silicon nitride substrates are used as substrates for power modules equipped with power semiconductors such as silicon carbide (SiC), which are used for DC/AC power conversion and control. This project is a capital investment in silicon nitride substrates to be used in power modules for electric vehicles. The practical application of power semiconductors such as SiC will enable downsizing of equipment and higher output of electric vehicles, contributing to the spread of electric vehicles by improving their cost and extending their cruising range. Silicon nitride substrates are indispensable for improving the performance of power semiconductors such as SiC used in electric vehicles and expanding their use.

When the output of electricity is increased in electric vehicles, heat is generated in power semiconductors, and failure to properly cool and dissipate the heat can cause problems such as reduced semiconductor performance and substrate damage due to thermal stress. Conventionally, aluminum nitride, which has high thermal conductivity, has been used as an insulating heat-dissipating substrate, but its low mechanical strength has caused reliability problems. Compared to aluminum nitride and other ceramic substrates, the silicon nitride substrates manufactured by the JGC Group have both higher heat dissipation performance and mechanical strength, making them indispensable for increasing the performance and popularity of power semiconductors such as SiC used in electric vehicles.

Project Progress

The factory building was completed in February 2025. Currently, manufacturing equipment is being installed within the facility, and preparations for production are underway. Product manufacturing is scheduled to begin around autumn 2025.

	Total	CO. Emission Paduation Contribution
	Project	CO ₂ Emission Reduction Contribution (Estimated)*2
	Cost	
Entire Project	7 billion	360,000 t-CO ₂ /year
	yen	300,000 t-CO ₂ / year
Allocation of Green Bond Funds	4 billion	206,000 t-CO ₂ /year
	yen	

Expected GHG Reduction Contribution after Production Starts

*2 Estimated reduction in CO₂ emissions from electric vehicles (EVs) equipped with power semiconductors using the high thermal conductivity silicon nitride substrates produced by the project by improving the cost of electricity.

<Bio Manufacturing>

Project Summary

Biomanufacturing is a technology that uses smart cells (artificially designed cells using genetic modification technology, mainly microorganisms) to produce a wide variety of substances and realize a recycling-oriented society. It is expected to be applied to a wide range of fields, including the medical and healthcare fields, materials, energy, and food, and its market size is projected to reach approximately 200 trillion yen by 2030¹. The raw materials used in existing biomanufacturing products such as bioethanol and polylactic acid are mainly sugar and vegetable oils and fats, and although some inedible cellulosic biomass-derived products are being introduced to the market. However, Japan relies on imports of many of these biomass resources, which poses a challenge in terms of cost and economic security.

On March 22, 2023, Kaneka Corporation, Bacchus Bio Innovation Co., Ltd (Bacchus), Shimadzu Corporation, and our company made a joint proposal for the "Development of microbial polymer synthesis using CO_2 as a direct raw material" to the Green Innovation Fund Project in response to NEDO (New Energy and Industrial Technology Development Organization)'s public call for promotion of carbon recycling using CO_2 as a raw material in biomanufacturing, and this proposal was adopted. This project aims to develop technologies to realize various manufacturing processes from CO_2 to solve the problem of securing raw materials for biomanufacturing and to achieve the ultimate resource-recycling society (Figure 1).

¹ OECD, "The Bioeconomy to 2030: designing a policy agenda."

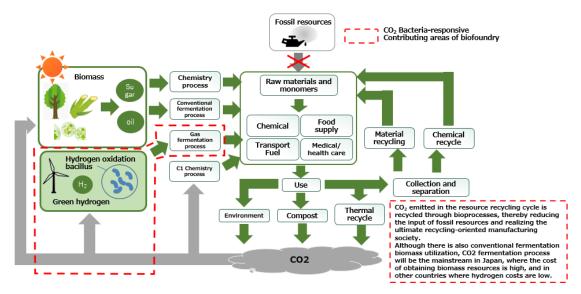


Figure 1. Ultimate Recycling-Oriented Manufacturing Society in 2050

We utilize hydrogen-oxidizing bacteria as microorganisms capable of manufacturing products from CO_2 . These bacteria require hydrogen as a reducing agent to assimilate CO_2 , and both hydrogen and oxygen as energy sources. However, depending on the mixi ng ratio, hydrogen and oxygen can form explosive gas mixtures. Therefore, establishing gas handling technologies that can prevent the formation of such mixtures is essential for achieving safe and highly efficient gas fermentation.

Our company possesses extensive expertise in safe gas handling and process scaleup, cultivated through our EPC (Engineering, Procurement, and Construction) business in the oil and gas sector. Additionally, we have deep knowledge in optimizing bioreactor design within the life sciences field. In this project, we aim to develop and scale up a safe handling system for mixed gases containing CO₂, hydrogen (H₂), and oxygen (O₂), as well as a high-efficiency gas fermentation process. Together with Bacchus, we will establish an "Integrated Biofoundry[®]" that enables one-stop solutions from microbial strain development to process design (Figure 2).

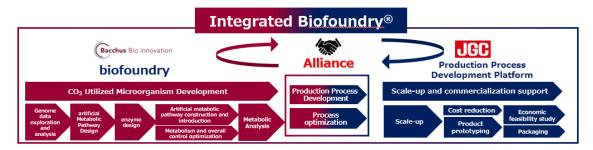


Figure 2. Integrated Biofoundry® that JGC HD and Bacchus are Aiming for

Project Progress

We have acquired land on Port Island in Kobe City, Hyogo Prefecture, and commenced construction of the first research building in the summer of fiscal year 2024. This facility will serve as the research base for the "Integrated Biofoundry[®]." The construction is progressing smoothly and is expected to be completed in the winter of fiscal year 2025 (Figure 3).



Figure 3. Conceptual Rendering of the Bio Process Research Institute – Research Building

Despite the high level of technical difficulty involved, development of the gas fermentation reactor is progressing smoothly. We have been steadily advancing scale-up efforts, and in fiscal year 2024, a small-scale (several-liter) bioreactor was successfully operated at our R&D center in Oarai, where data collection is currently underway (Figure 4). Based on the data obtained, we have completed the design of a bioreactor with

several tens of times greater capacity, which is scheduled to begin operation at the First Research Building in the winter of fiscal year 2025.

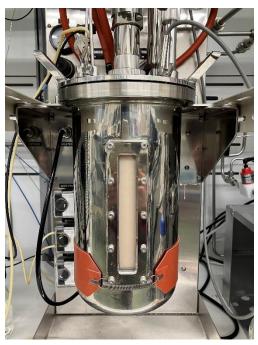


Figure 4. Gas Fermentation Reactor at Several-Liter Scale