

Initiatives for the Environment

Materiality Themes	Materialities
Contributing to the environment to realize a decarbonized society and circular economy	Response to climate change, including CO ₂ reduction in the Group's businesses
	Support for CO ₂ reduction using satellites
	Promotion of proper disposal, reuse, and recycling of waste
Improving the Space environment	Initiatives to remove space debris

Achieving Carbon Neutrality in 2025

The SKY Perfect JSAT Group has identified “Contributing to the environment to realize a decarbonized society and circular economy” as one of its key materiality themes. We have set a goal to achieve carbon neutrality by reducing our greenhouse gas (GHG) emissions*1 from Scope 1 and Scope 2 sources to virtually zero during FY2025.

The transition to electricity derived from renewable energy sources at the Group’s facilities is progressing smoothly, with one additional site making the switch in FY2024. As of the end of FY2024, the Group’s overall renewable energy use ratio reached 99.8%. In FY2025, the Group aims to achieve carbon neutrality for the entire Group by further promoting renewable energy and utilizing carbon credits.

Furthermore, with the goal of achieving net-zero GHG emissions across our entire supply chain by 2050, The SKY Perfect JSAT Group calculated its Scope 3 emissions in FY2024.

In FY2025, we will compute the Scope 3 emissions for our Group companies and consider initiatives to reduce emissions throughout the supply chain.

We will continue to advance our efforts to contribute to the environment and realize a decarbonized, circular economy.

*1 Covers Scope 1 (direct emissions from owned sources) and Scope 2 (indirect emissions from the generation of purchased energy).

Reduction of Waste Emissions

The SKY Perfect JSAT Group is committed to environmental conservation under the long-term materiality goal of “reducing waste through appropriate disposal, reuse, and recycling.” We strive to promote resource circulation by sorting and processing waste according to its type, utilizing reusable materials, and increasing our recycling rate.

Total waste generated in FY2024	
	(t)
Total amount of industrial waste, etc.	55.10
Total amount of general waste, etc.	55.72
Total emissions	110.82

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► Click here for more details about TCFD and TNFD
<https://en.skyperfectjsat.space/sustainability/esg/environment/>

Response to TCFD and TNFD Recommendations

In line with the recommendations of the TCFD, the SKY Perfect JSAT Group discloses information on the financial impact of risks and opportunities posed by climate change and reflects these findings in our management strategies. Recognizing the profound impact that a 4°C rise in global average temperature would have on society and our business, we have been identifying climate-related risks and opportunities, determining their timelines, and assessing their financial impact since FY2021. This process is based on the climate change scenario analysis recommended by the TCFD, with the aim of strengthening our contribution to the below 1.5/2°C target. We select and implement priority items.

Additionally, we recognize the importance of biodiversity conservation. Based on the LEAP approach*2 recommended by the TNFD, we are identifying and organizing our business activities’ nature-related dependencies, impacts, risks, and opportunities, and formulating corresponding strategies. The details of our response to the TCFD and TNFD are available on our sustainability website.

*2 The LEAP approach is a method for prioritizing impacts and measures related to natural capital by focusing on location. It involves four phases: locate the interface with nature; evaluate dependencies and impacts; assess risks and opportunities; and prepare to respond to nature-related risks and opportunities and report to investors.

TOPICS

Visualizing CO₂ emissions from satellite communications: Emissions less than one-fifth of those from terrestrial communications

In FY2023, SKY Perfect JSAT Corporation computed the carbon footprint of our entire satellite communications services and published the results on our sustainability website in FY2024. Throughout the entire life cycle—from the manufacturing of satellites, rockets, and antennas to their launch, operation, communication, and disposal or recycling—the total CO₂ emissions were 17.2 kg. Approximately 89% of these emissions came from the power consumption of the communication services used by our customers, followed by the fuel combustion during rocket launches. The emissions from the fuel of a single rocket launch account for approximately 7% of total CO₂ emissions and are roughly equivalent to the CO₂ emitted by a single flight from Tokyo to New York.

Furthermore, according to SKY Perfect JSAT Corporation’s own research*, the CO₂ emissions from satellite communications were less than one-fifth of those from terrestrial communication systems. This confirmed that our satellite communications services are a low-environmental-impact communication method, thanks to its low-emission and efficient point-to-point communication and the adoption of virtually 100% renewable energy at our satellite control centers.

* The calculation was based on “Impact of Progress of Information Society on Energy Consumption (Vol. 3),” published by the Japan Science and Technology Agency (JST).

