

SKY Perfect JSAT and University of Tokyo Matsuo Lab Startup EQUES Jointly Conduct PoC to Explore AI-Assisted Satellite Operations

Tokyo, Japan, October 6, 2026— SKY Perfect JSAT Corporation (SKY Perfect JSAT) and EQUES Inc. (EQUES), an AI startup originating from the Matsuo Laboratory at the University of Tokyo, have jointly conducted a proof of concept (PoC) exploring the use of artificial intelligence (AI) to enhance the efficiency of geostationary satellite operations. By combining SKY Perfect JSAT's extensive satellite operations expertise with EQUES' AI technologies, the PoC examined how AI could support operators in selected operational tasks and decision-making process.



Satellite operations and control (image) (Credit: SKY Perfect JSAT)

As the satellite industry continues to expand and the number of satellites in operation increases, establishing operational frameworks capable of managing satellites safely, reliably, and efficiently has become increasingly important.

Drawing on more than 40 years of experience in satellite operations, SKY Perfect JSAT provides operational support and ground station services for both its own satellites and those of third-party operators. As its business expands and the number of supported satellites grows, improving operational efficiency while maintaining safety and reliability has become a key priority. Meanwhile, EQUES, an AI startup from the Matsuo Lab, works on applying AI in fields that require explainability and reliability.

Against this backdrop, SKY Perfect JSAT and EQUES conducted a PoC to explore how AI could support specialized judgment and decision-making in satellite operations.

The PoC focused on station-keeping operations for geostationary satellites, a task that requires operators to assess operational conditions, reference past cases, and predict orbital changes resulting from maneuvers*. To support such activities, the two companies explored an approach in which AI utilizes historical operational data and accumulated expertise to provide operators with relevant information, while human operators retain final decision-making authority. The study also examined

a system that predicts orbital changes based on physical laws and generates maneuver plan candidates that consider operational constraints, allowing operators to evaluate their validity. Through this PoC, the two companies confirmed both the potential of operational support that combines AI-provided information with human judgment and the challenges to be addressed for application in actual operations.

Building on the insights gained through this PoC, SKY Perfect JSAT and EQUES will continue exploring the application of AI technologies to satellite operations and seek opportunities to further enhance operational efficiency and reliability.

*Maneuver: a control operation performed using a satellite's propulsion system to maintain its position within a specified range.

■ Comments

Kyota Mano, Project Manager, Satellite Operations Division, Space Technology Group, Space Business Unit of SKY Perfect JSAT

“We have been working with EQUES to explore how AI can be applied in actual satellite operations. Through this initiative, we have seen new possibilities for the use of AI in satellite operations. Going forward, we will continue to work with technology partners to improve the efficiency and sophistication of space infrastructure operations.”

Naoki Kishi, Chief Executive Officer of EQUES

“Areas such as space infrastructure, where a high level of reliability is required, are where the true value of AI is put to the test. We find it highly meaningful to have taken on the challenge of applying AI to the highly specialized field of satellite operations together with SKY Perfect JSAT. We will continue to leverage AI technologies to deliver value to the operations that support critical social infrastructure.”

■ Company Overview

About SKY Perfect JSAT

SKY Perfect JSAT recognizes itself as “Space Business Pioneers” operating with two core pillars: Space and Media.

In its Space Business, the company provides satellite communications services, including in-flight and maritime connectivity as well as resilient communications that remain available during emergencies and disasters. Through its Space Intelligence Business, SKY Perfect JSAT leverages satellite imagery and Earth observation data to deliver insights that support national security, disaster prevention, environmental monitoring, infrastructure management, and other societal needs. The company is transforming itself into a Space Solutions Provider through the utilization of space assets and the expansion of its business domains.

In its Media Business, SKY Perfect JSAT operates broadcasting and video streaming services centered on SKY PerfecTV!, the Fiber-optic Alliance Business, Media Solutions Business, and the Global IP Contents Business, while continuing to diversify its business portfolio.

In April 2026, SKY Perfect JSAT integrated its holding company and operating company structures and continues to create new value through the combined strengths of its Space and Media businesses.

Head Office: Akasaka, Minato-ku, Tokyo, Japan

Representative Director President & Chief Executive Officer: Eiichi Yonekura

Website: <https://www.skyperfectjsat.space/en>

About EQUES

EQUES Inc. is an AI startup originating from the Matsuo Laboratory at the University of Tokyo.

Guided by its mission, "Accelerate the world through state-of-the-art technology," the company connects research and practice seamlessly and works to bring better solutions into real-world use. With collaborative AI development at its core, EQUES operates a pharmaceutical AI business (QAI Generator / QAI Checker), an energy AI business, AI consulting, and the development of generative AI, large language models, and AI agents.

Founded: February 2022

Representative: Naoki Kishi, Chief Executive Officer

Head Office: Hongo K&K Building 2F, 3-30-10 Hongo, Bunkyo-ku, Tokyo, Japan

Business: Collaborative AI development / Pharmaceutical AI / Energy AI / AI consulting /
Generative AI, LLM, and AI agent development

Website: <https://eques.co.jp>