

Star Signal Solutions Signs MOU with Look Up to Advance Space Situational Awareness (SSA)

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Japan–France collaboration launches radar × optical validation toward sustainable space traffic management

Star Signal Solutions Inc. (Headquarters: Nihonbashi Kakigaracho, Chuo-ku, Tokyo; CEO: Akihiro Iwaki; hereinafter “Star Signal Solutions”) has signed a Memorandum of Understanding (MOU) with Look Up (Headquarters: Toulouse, France; CEO: Michel Friedling; hereinafter “Look Up”), a company specializing in radar-based observation of space objects and debris. The MOU aims to enhance the accuracy of tracking satellites and space debris in orbit.

The signing of this MOU will be announced in conjunction with the visit of President Emmanuel Macron to Japan, scheduled for April 1, 2026, and represents a symbolic initiative to strengthen bilateral cooperation between Japan and France in the space sector.

Launch of Technical Validation Combining Radar and Optical Observations

Under this collaboration, Star Signal Solutions and Look Up will initiate technical validation activities involving the comparative analysis of their respective optical and radar observation data.

By integrating these complementary observation modalities—optical and radar—the partners will evaluate new approaches to data utilization that leverage the strengths of each method. This effort aims to enhance interoperability and advance the capabilities of Space Situational Awareness (SSA) systems in both Japan and France.

Contributing to Space Safety, Sustainability, and Security

This initiative is expected to contribute not only to the safety and sustainability of outer space but also to the realization of practical Space Traffic Management (STM), incorporating increasingly critical security considerations.

The integration of observational data across different national and technological frameworks will support broader international SSA cooperation. It is anticipated to play a key role in enabling safe, sustainable, and stable utilization of the space environment.

Executive Comments

Akihiro Iwaki, CEO, Star Signal Solutions Inc.

“We have great respect for Look Up as a leading European player in radar-based space surveillance. This partnership brings together their radar capabilities and our optical observations to advance a more integrated global SSA framework.

We believe the future of space traffic management will be inherently multi-sensor and international. By combining complementary sensing technologies, we aim to deliver a level of accuracy and resilience that cannot be achieved by any single system.

This partnership represents an important step toward building a globally interoperable SSA architecture. Through this collaboration, we will accelerate the practical use of diverse observational data and contribute to safer and more sustainable space operations.”

Michel Friedling, CEO, Look Up

“This partnership reflects a shared ambition between Japan and France to strengthen space safety and security through trusted data. By combining radar and optical observations, we demonstrate the critical role of data fusion in delivering a more accurate and reliable picture of the orbital environment. Together with Star Signal Solutions, we provide operators with the high-precision insights they need to anticipate risks, protect their assets, and operate safely in increasingly congested orbits.”

About Star Signal Solutions Inc.

Star Signal Solutions Inc. is a Japan-based space startup certified by JAXA. The company focuses on Space Situational Awareness (SSA) and Space Traffic Management (STM).

Leveraging optical observation and orbital analysis technologies, the company works to reduce collision risks between satellites and space debris, with the mission of safeguarding both life on Earth and the safety of space.

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About Look Up

Founded in 2022 by Michel Friedling, former French Air & Space Force General and first Commander of French Space Command, and Juan-Carlos Dolado Perez, member of the International Academy of Astronautics and former Head of Space Situational Awareness at CNES, Look Up is a European SpaceTech scale-up aiming to become the global leader in space security, safety, and sustainability.

Its solution relies on three technological pillars: SYNAPSE, a digital data-fusion and analytics platform, SORASYS, a global radar network for orbital object detection & tracking and an integrated satellite operations management service

Through this holistic approach and end-to-end control of the value chain, Look Up delivers comprehensive Space Safety & Ops-as-a-Service, ensuring satellite safety and operational continuity in increasingly congested orbits and amid uncertain geopolitical contexts.

More information: www.lookupspace.com

Linkedin page: <https://www.linkedin.com/company/look-up-space>

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