

PRESS RELEASE

Look Up Announces Operational Readiness of SORASYS-1 Radar, Commercial Data Availability and Expansion into the United States



Colorado Springs, CO - April 13th, 2026 – 41st Space Symposium

- **Look Up enters a new operational phase** with SORASYS-1 now live, commercial data available from May 2026 and a **strategic expansion into the United States**.
- **A high-performance system delivered at speed:** a **next-generation radar system** designed and deployed in under three years, calibrated for continuous 24/7, weather-independent operations.
- **From high-precision tracking to actionable insights:** detection capability down to **10 cm (target)**, powered by **proprietary radar data** and enhanced through **SYNAPSE data fusion** for real-time decision support.

With **more than 14,300 active satellites in orbit - an increase of nearly 30% in just one year- and over 4,300 satellites launched in the past 12 months**, space has definitely entered a new era of congestion and operational risk.

Mega-constellations are accelerating this trend, with systems like Starlink now exceeding **10,000 operational satellites (+36% year-over-year)**, fundamentally reshaping the orbital environment and increasing the need for precise, reliable, and independent space surveillance capabilities.

In this context, Look Up, a SpaceTech company specializing in Space Situational Awareness (SSA) and Space Domain Awareness (SDA), today announces the **operational readiness of its first radar SORASYS-1**, the **commercial availability of its orbital data starting in May 2026** and its **expansion into the United States**.

From technological achievement to operational capability

Following successful operational qualification, SORASYS-1, located in Southern France, is now fully operational and delivering high-precision orbital data.

SORASYS (SOvereign RAdar SYStem) is a **state-of-the-art ground-based radar capable of detecting and tracking objects in Low Earth Orbit (LEO)**, including small debris, active and inactive satellites and rocket bodies. It operates continuously, independently of weather and lighting conditions, ensuring reliable and persistent monitoring.

At full deployment capacity, the system is designed to detect objects smaller than 10 cm in size, enabling enhanced understanding of the orbital environment.

This milestone demonstrates Look Up's ability to rapidly deploy scalable infrastructure and marks the transition from technology validation to operational service delivery.

Operational qualification successfully completed

On April 8, Look Up successfully completed the **operational qualification campaign of SORASYS-1**, marking a major milestone toward its operational deployment.

The campaign consisted of **weeks of continuous 24/7 observations**, during which the radar demonstrated **stable and reliable operational performance**.

During this phase, the system collected **thousands of observations across nearly 1000 objects of interest**, including a set of calibration targets with independently verified orbital data.

These reference objects enabled Look Up to validate the **accuracy of range and radial velocity measurements**, confirming performance levels **in line with expectations and far exceeding institutional requirements, including those defined by EU-SST**.

This successful qualification marks the official start of SORASYS-1's operational use and supports the launch of Look Up's commercial space surveillance data services.

Commercial availability of SORASYS data starting May 2026

Starting in May 2026, Look Up will make its **SORASYS-derived orbital data commercially available** to institutional stakeholders, defense organizations, and satellite operators worldwide.

Key capabilities include:

- **High-precision tracking data in LEO**

- **Detection of small objects** (down to ~10 cm)
- **High revisit rates** enabling timely monitoring
- **Independent orbital datasets**
- **Seamless integration** into existing SSA systems and workflows

By providing direct access to its own radar data, Look Up contributes to diversifying global SSA data sources and reducing reliance on a limited number of providers.

Strengthening global presence with U.S. expansion

As part of its international growth strategy, Look Up has recently established a **presence in the United States**, reinforcing its ability to support U.S. defense and commercial customers.

This expansion allows Look Up to engage more closely with one of the world's most advanced and dynamic space ecosystems, while delivering its high-precision data and services directly to local stakeholders.

Enabling better decisions through data and analytics

Look Up complements its offer with **SYNAPSE**, a digital platform which leverages multi-source data fusion to transform observations into actionable intelligence. By combining SORASYS data with external sources (optical, passive RF and other sensors) and automating processes, SYNAPSE provides:

- Real-time space situational awareness and space domain awareness
- Collision risk detection and monitoring
- Behavioral analysis of space objects
- Threat detection and monitoring
- Maneuver recommendations and decision support

This data-driven approach enables operators to anticipate risks, protect critical assets, and operate safely in increasingly congested and contested orbits.

A key milestone toward a global radar network

SORASYS-1 represents the first node of Look Up's planned global radar network, designed to provide near-persistent monitoring of the orbital environment.

Following a €50 million fundraising round in 2025, the company is accelerating the deployment of additional radars, including upcoming sites in French Polynesia.

By 2030, Look Up aims to operate a **global network of interconnected radars and optical sensors**, positioning itself as a key player in space safety, security, and sustainability.

Executive quote

Michel Friedling (Gen. R.), Co-founder and CEO of Look Up, said:

“With SORASYS-1 now operational, our data becoming commercially available and our expansion into the United States, Look Up is entering a new phase. We are moving from technology validation to delivering actionable, high-precision data to operators worldwide. In an increasingly congested and contested orbital environment, access to independent and reliable data is essential to ensure safe and sustainable space operations.”

About Look Up

Founded in 2022, Look Up is a European SpaceTech company delivering Space Situational Awareness (SSA) and Space Domain Awareness (SDA) solutions to secure space assets and operations.

The company is now established in **Europe and the United States**, with a growing international footprint.

Its solution is based on three technological pillars:

- a global network of **SORASYS** radars and optical sensors for detecting and tracking objects in orbit
- the **SYNAPSE** software, accessible through APIs, SaaS or deployable *on premise* for data fusion, real-time analytics, SDA Command & Control
- **Space Operations services**: enabling end-to-end mission safety and operations

Look Up’s mission is to provide key data and services to ensure the safety and security of space assets and activities, with the ambition to become a global leader in space security, safety, and sustainability.

Press contacts

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