

FARSIGHT SPACE TELESCOPES

Taskable space observation for objects in orbit

Fast optical measurements of satellites, debris, near-Earth objects, and time-critical events, delivered for operational use.

Satellite operators, defense teams, and SSA/SDA organizations need timely evidence before costly maneuvers, custody decisions, or anomaly assessments. Farsight is building a software-operated constellation of compact optical telescopes in low Earth orbit to provide responsive observations when ground sensors are limited by weather, daylight, geography, or viewing angle. Farsight is orbital sensing infrastructure for teams that cannot afford blind spots.



Space observation

Built for objects and events in space, not Earth imagery.

Dual use

Independent optical data for tracking and characterization of high-value targets for defense use cases.

European

Headquartered in Helsinki, Farsight is building European observation capacity for space safety and defense.

WHY NOW

The sky is getting busier.

More satellites create more alerts, more conjunction uncertainty, and more expensive maneuver decisions. SIA reported 4,434 satellites deployed in 2025 and 14,266 operational satellites at year-end; ESA estimates 54,000 objects larger than 10 cm and 1.2 million from 1-10 cm in orbit.

Sources: SIA State of the Satellite Industry Report release 2026; ESA Space Environment Report 2026.

SPACE SAFETY / SSA

Better evidence for high-stakes orbital decisions.

As alerts multiply, better observations help teams avoid unnecessary maneuvers, preserve satellite lifetime, and strengthen custody of high-value objects.

SCIENCE

Fast follow-up for fleeting science events.

Researchers can request calibrated photometry, astrometry, and imaging for transient or time-sensitive targets without building mission hardware.

QUICK FACTS

Company snapshot

Company

Farsight Space Telescopes Oy, based in Helsinki, Finland.

Mission

Reduce orbital uncertainty with on-demand optical observations delivered in decision-ready formats.

Technology

Small spacecraft with a 200 mm optical telescope payload for reliable multi-band imaging from orbit.

Markets

Satellite operators, SSA/SDA teams, defense and civil space organizations, plus time-critical science users.

Team

Second-time founders with prior exits to NVIDIA and Amazon Robotics, plus experience in optics, image processing, mission-critical software, and space imaging.

Development status

- Developing the first satellite and service platform with input from early SSA/SDA and science users.
- Ground observatories in Chile and Finland for payload testing and calibration.

Core capabilities

01

Orbit refinement

Fresh astrometric measurements improve confidence in conjunction alerts and maneuver decisions.

02

Object characterization

Stable photometry, repeated passes, and direct optical imaging help reveal behavior and identity.

03

Reliable revisit

Space-based cadence keeps measurements coming when ground coverage is interrupted or unavailable.

04

Standard data products

Imagery, photometry, astrometry, and light curves are delivered in standardized formats, ready for integration and operational use.

Farsight in a nutshell

Farsight Space Telescopes is building an on-demand network of compact optical telescopes in low Earth orbit. The service provides calibrated data for satellite tracking, debris monitoring, object characterization, and time-critical science. By observing from above the atmosphere, Farsight helps teams reduce uncertainty and act faster when ground-based sensors are limited.



BUSINESS
INCUBATION
CENTRE

Finland

Farsight Space Telescopes Oy is participating in the ESA Business Incubation Centre Finland.

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