FARSIGHT SPACE TELESCOPES

Orbital intelligence for a crowded sky

Taskable space telescopes for decision-grade observations in space safety, SSA/SDA, and time-critical science.

Farsight is building a constellation of compact optical telescopes in low Earth orbit, operated through software. Built for satellite operators, SSA/SDA teams, and researchers, the platform is designed to provide fast access to stable photometry, precise astrometry, direct optical imaging, and repeatable observation products for satellites, debris, near-Earth objects, and astronomical targets.

In one line: Farsight turns urgent target requests into calibrated optical data from space, so customers can make better decisions when ground assets cannot see.

European

Farsight Space Telescopes is supported by the ESA Business Incubation Centre program and based in Helsinki, Finland.

Software-defined

Customers submit targets, cadence, urgency, and campaign requirements through an interface or API.

Space telescopes

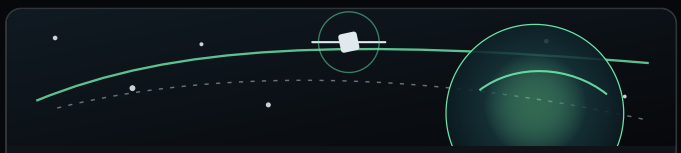
Orbital sensors add observations above weather, daylight, geography, and atmospheric distortion.

WHY NOW

The sky is getting busier.

Satellite traffic and debris uncertainty are scaling into an operational capacity problem. 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

Know before you burn propellant.

Satellite operators and SSA/SDA teams can refine orbits, validate conjunction risk, characterize high-value objects, and maintain custody before spending propellant or operational time.

SCIENCE

Space-based campaigns without a spacecraft program.

Research teams can run calibrated campaigns for repeatable photometry, astrometry, transient follow-up, and data products without building spacecraft or waiting through long scheduling cycles.

QUICK FACTS

How the platform works

Farsight combines compact optical payloads, scheduling software, constellation operations, and calibrated data delivery into one orbital observation service.

Company
Farsight Space Telescopes Oy, based in Helsinki, Finland.

Mission
Reduce uncertainty in orbit with taskable, decision-grade optical observations delivered as data products.

Technology
Small spacecraft with a 200 mm optical telescope payload for stabilized, multi-band imaging.

Markets
Satellite operators, SSA/SDA teams, defense and civil space organizations.

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

01

Constellation
Telescopes are designed to cooperate to increase revisit, throughput, and resilience as capacity grows.

02

Scheduler
Mission planning software distributes imaging tasks to the best available satellite windows.

03

Planning tools and API
Users submit target objects, cadence, urgency, and campaign requirements.

04

Calibrated data
Planned outputs include imagery, photometry, astrometry, and light curves in standardized data formats.

Validation and ecosystem

- Participating in the European Space Agency Business Incubation Centre program.
- Building the first satellite and software platform with input from pilot users in SSA/SDA.
- Ground observatories in Chile and Finland for payload testing and data validation.

Boilerplate

Farsight Space Telescopes is developing a constellation of compact optical telescopes in low Earth orbit for observing satellites, debris, near-Earth objects, and astronomical targets. Operated through software, Farsight is designed to provide taskable, atmosphere-free observations that help space operators, SSA/SDA teams, and researchers reduce uncertainty, protect scarce resources, and act faster when ground assets cannot see.

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