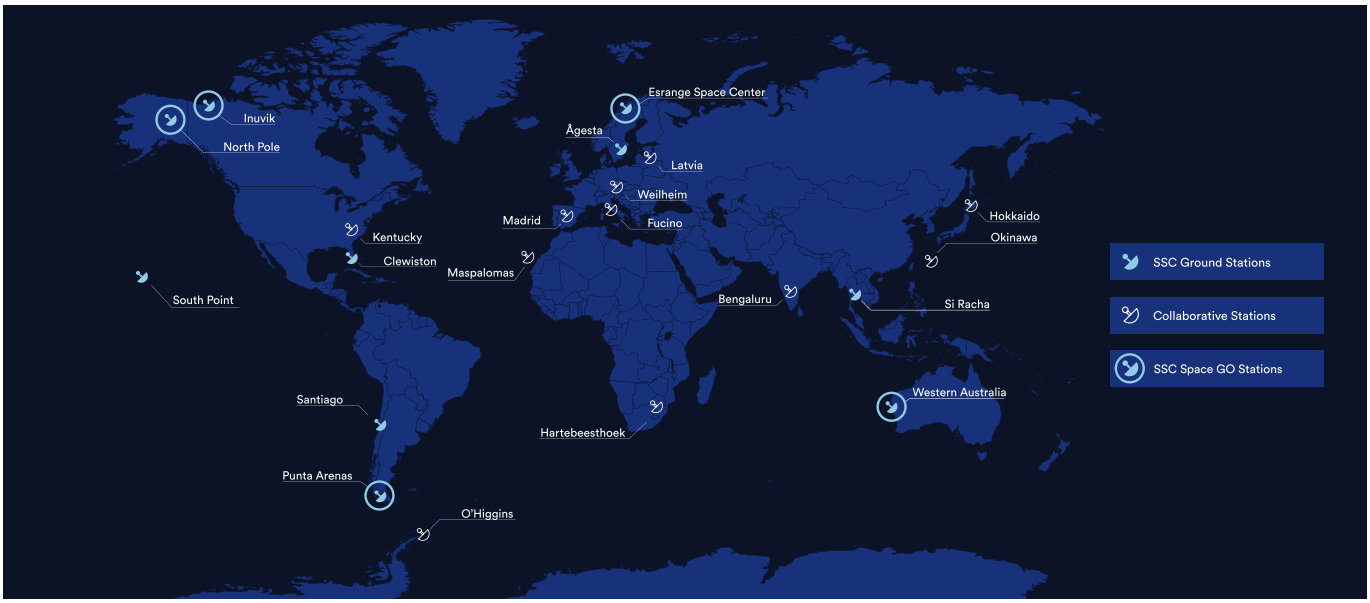
SSC Space



SSC Space Go

Our new service for small satellites and constellations.

Built on a global ground station network of compact 4m-class antennas, SSC Space Go delivers seamless and effective access to satellite data for spacecraft in Low Earth Orbit (LEO).

Designed to meet the fast-paced demands of the growing small satellites and constellations in orbit, SSC Space Go offers:

- Simplified onboarding, making it easier and faster for customers to get started
- Built-in security, ensuring a robust and trusted approach that meets the standards required by security-sensitive missions.
- Scheduling based on start/stop time slots with no specific fee for early/late scheduling
- Capacity for dual simultaneous polarization downlink

Global coverage

SSC Space Go delivers global coverage and will initially be available at 5 locations in the SSC Space global ground station network.

SSC Space

Antenna capabilities

The SSC Space Go network is built on 4m-class antennas with radome and supports the following frequency bands:

Frequency band	Specifications		
S-band uplink (TX)	Frequency: 2020-2120 MHz	Selectable polarization (LHCP/RHCP)	EIRP: 50 dBW
S-band downlink (RX)	Frequency: 2200-2300 MHz	Simultaneous dual polarization (LHCP & RHCP)	G/T: 12.8 dB/K
X-band downlink (RX)	Frequency: 7900-8400 MHz	Simultaneous dual polarization (LHCP & RHCP)	G/T: 26.0 dB/K
Ka-band downlink (RX)	Frequency: 25.5-27.0 GHz	Simultaneous dual polarization (LHCP & RHCP)	G/T: 30.5 dB/K

The network is designed for simplicity and efficiency. By standardizing site characteristics, it minimizes complexity and streamlines resource planning for mission-critical services.

System Architecture

The system combines centralized global management with flexible local site architecture. It uses a highly scalable virtualized design and a cloud-based platform that delivers:

- Built-in security and control
- High availability and redundancy
- Seamless access to key tools and services

All SSC Space Go components are cloud-agnostic, ensuring easy migration across providers.