



SmallSat Express

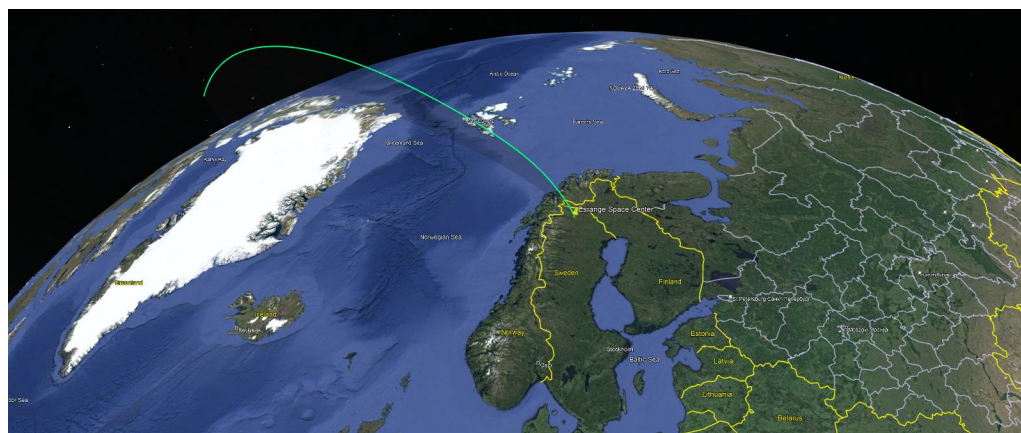


SSC Space SmallSat Express launch services

- Low-cost, frequent access to space from Esrange Space Center in Sweden
- Easy access via air, road, rail, or sea
- Reference orbit: SSO (other high-inclination orbits achievable)
- Industry standard separation systems and dispensers
- On-site operations support, launch control center, integration building with ISO 8 clean room (ISO 7 upon request), customer facilities, and hotel
- SSC Space for LEOP & On-Orbit satellite ground station services
- Launch as of 2028



Launch vehicle	Firefly Alpha
Performance	630kg to 550km SSO
Oxidizer/fuel	Liquid oxygen/RP-1
Fairing inner diameter	2.0 m



SmallSat Express offers several payload configurations.

Here are some example payload configurations for the Firefly Alpha.



Dedicated mission



Primary rideshare



Multiple rideshare

As part of SmallSat Express SSC Space offers the following services:	Standard Services	Optional services
Payload mission manager	●	
Mission integration analysis, including performance, trajectory and loads analysis	●	
Flight safety and ground safety analyses and documentation	●	
Development of the Interface control management documentation	●	
Swedish launch approval management	●	
Third party liability insurance for the satellite	●	
Swedish import, export and logistics advice	●	
ISO 8 air cleanliness in cleanroom	●	
Cleanroom adaption to ISO 7 air cleanliness		●
Launch rehearsal test count down	●	
Confirmation of separation	●	
Provision of satellite orbit parameters at separation	●	
Payload separation system for Small Sat provided by SSC Space with fit checks (to spacecraft and LV-adapter)		●
Cube Sat deployer provided by SSC Space with fit checks (to Cube Sat and LV-adapter)		●
Fit check verification of customer provided separation system to the payload adapter for primary and dedicated customers	●	
Fit check verification of customer provided separation system to the payload adapter for secondary customers		●
Customer logo on payload fairing for primary and dedicated customers		●
SSC Space satellite ground station services:		
LEOP Support		●
On-Orbit Support (TT&C and data reception)		●