

Esrange – The most versatile space center in the world. New Services to enable a sustainable future

Stefan Gustafsson, 2022-06-02

WE HELP EARTH BENEFIT FROM SPACE



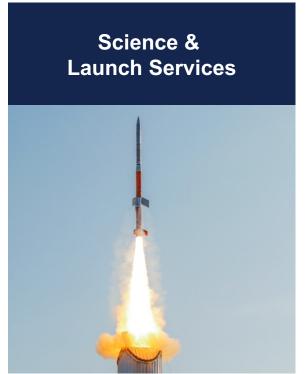


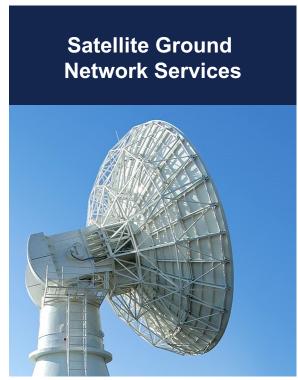
- Managing climate change
- Climate and ecology research
- New materials, medicines, technologies
- Regional and global development
- Forestry
- Agriculture
- Shipping and fishing
- Maritime safety
- Ecosystem
- Carbon dioxide emissions
- Water and water supply
- Crisis management
- Community planning
- Migration
- Nature and environment
- Ecological diversity
- Security and defense
- Health
- Transport
- Energy
- Research and technology
- Melting of the polar ice

BUSINESS DOMAINS

SS

LEADING GLOBAL PROVIDER OF ADVANCED SPACE SERVICES









SSC's public mission

SSC's commercial mission

C2-Protected

SSC WORLDWIDE



GLOBAL GAME CHANGE THROUGH SPACE

RAPID DEVELOPMENT EMBRACING MOST SOCIETAL ACTIVITIES





Earth Observation

Multisensor constellations:
Close to real time information
of the planet's land, oceans
and atmosphere.
Intensive global collaboration



Positioning & Navigation

Global Navigation Systems coexist and compete to provide accuracy and resilience



Communication

Satellite Constellations: Global access to internet, enabling a sustainable big world on our small planet.



Exploration

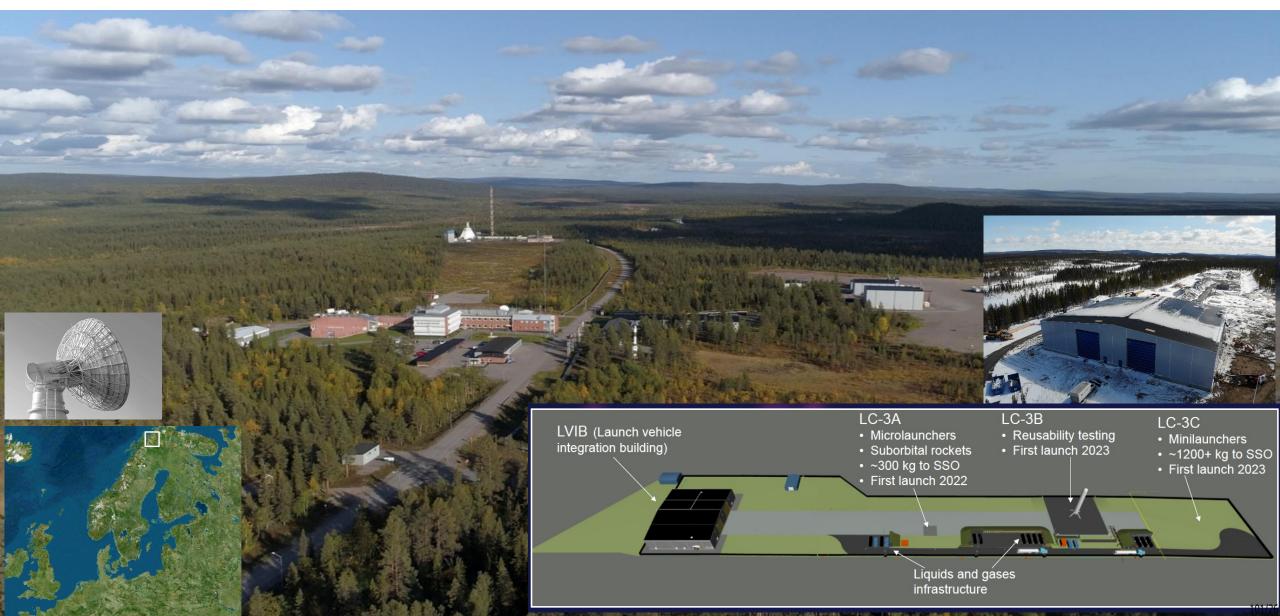
New cost-effective technology provide new opportunities to use and explore Space for the benefit of Earth

Space is today a part of most societal functions enabling a more sustainable global development

Esrange

ADVANCED SPACE SERVICES SINCE 1966





Esrange Space Center

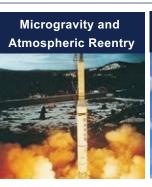
THE MOST VERSATILE SPACE CENTER IN THE WORLD



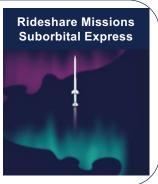


Sounding Rockets









Stratospheric Balloons





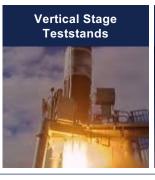




Testbed Esrange, Operational since 2021











SmallSat Express





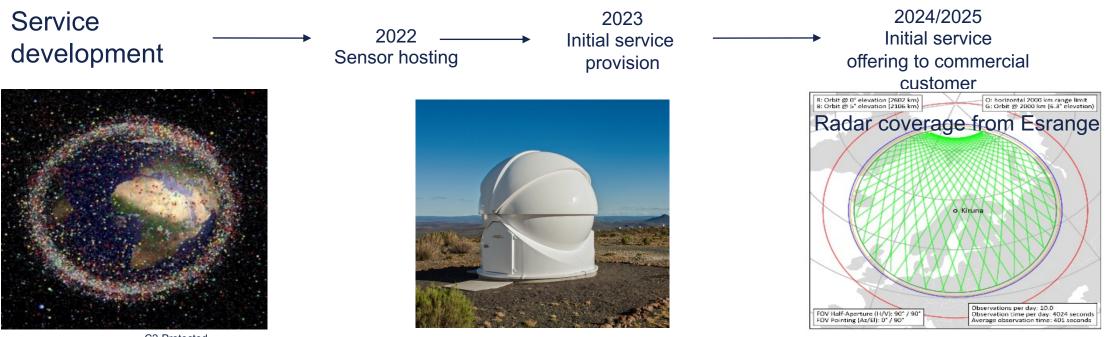
SPACE SURVEILLANCE AND TRACKING





The SSC SSA Program, part of AWARE

- Data-Sharing Agreement with USA (NORAD) since 2018
- Sensor development ongoing in Sweden and Australia, Germany (DLR) partner, connecting southern and northern hemisphere
- Other collaborations: Removal of Space Debris



C2-Protect



Using the power of satellite data to guide organizations worldwide to develop and deliver sustainability strategies and services

Global Challenges Driving New Markets



Sustainable Investment

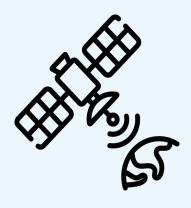


Responsible Business



Public Policy Delivery

Trusted Insights



Using satellite and other geospatial datasets with state of the art analytical techniques to create independent sustainable insights



Application Examples



Planning investments into local communities



Supporting government land management



Monitoring supply chains



Monitoring critical infrastructure