



WE HELP EARTH BENEFIT FROM SPACE

**EXPLOITING INNOVATIVE
OPPORTUNITIES HELPING EARTH
BENEFIT FROM SPACE**

Stefan Gustafsson, SVP Strategy & Sustainable
Business, SSC

2019-06-18



BUSINESS DOMAINS

SSC PROVIDES ADVANCED SPACE SERVICES ON A GLOBAL MARKET



Science & Launch Services



SSC's public mission

Satellite Ground Network Services



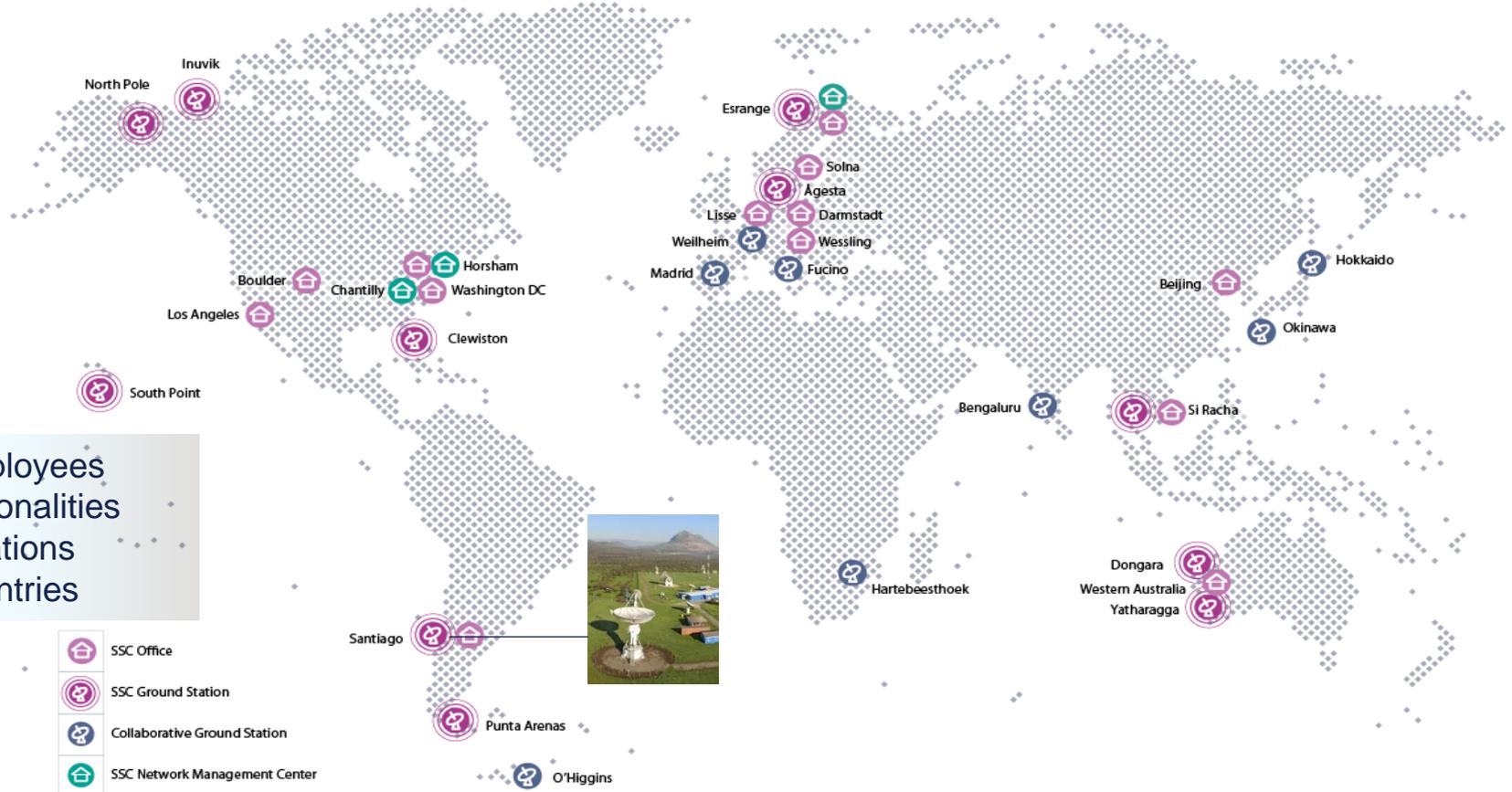
SSC's commercial mission

Spacecraft Operations & Engineering Services



GLOBAL FOOTPRINT – AND COVERAGE

CUSTOMERS FROM ALL PARTS OF THE WORLD – MOST LARGE SPACE ACTORS



600 employees
25 nationalities
22 locations
12 countries

-  SSC Office
-  SSC Ground Station
-  Collaborative Ground Station
-  SSC Network Management Center

A GLOBAL GAME CHANGE THROUGH SPACE

SPACE TO PROVIDE GLOBAL TRANSPARENCY, CONNECTIVITY AND POSITIONING



Credit: Vicon

Earth observation

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



Positioning & Navigation

Global GPS - 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.



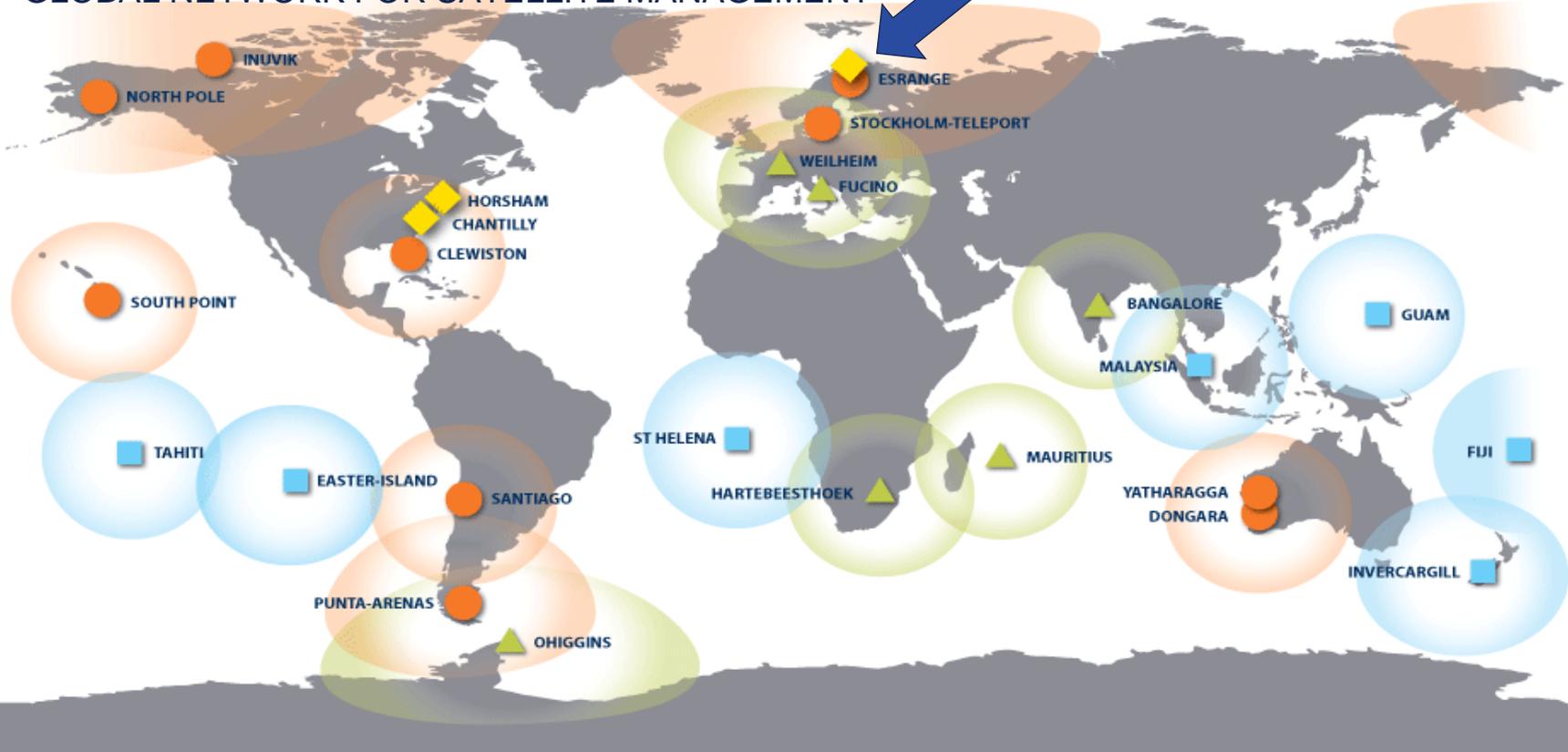
Exploration

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

Enabling a more sustainable development of our planet

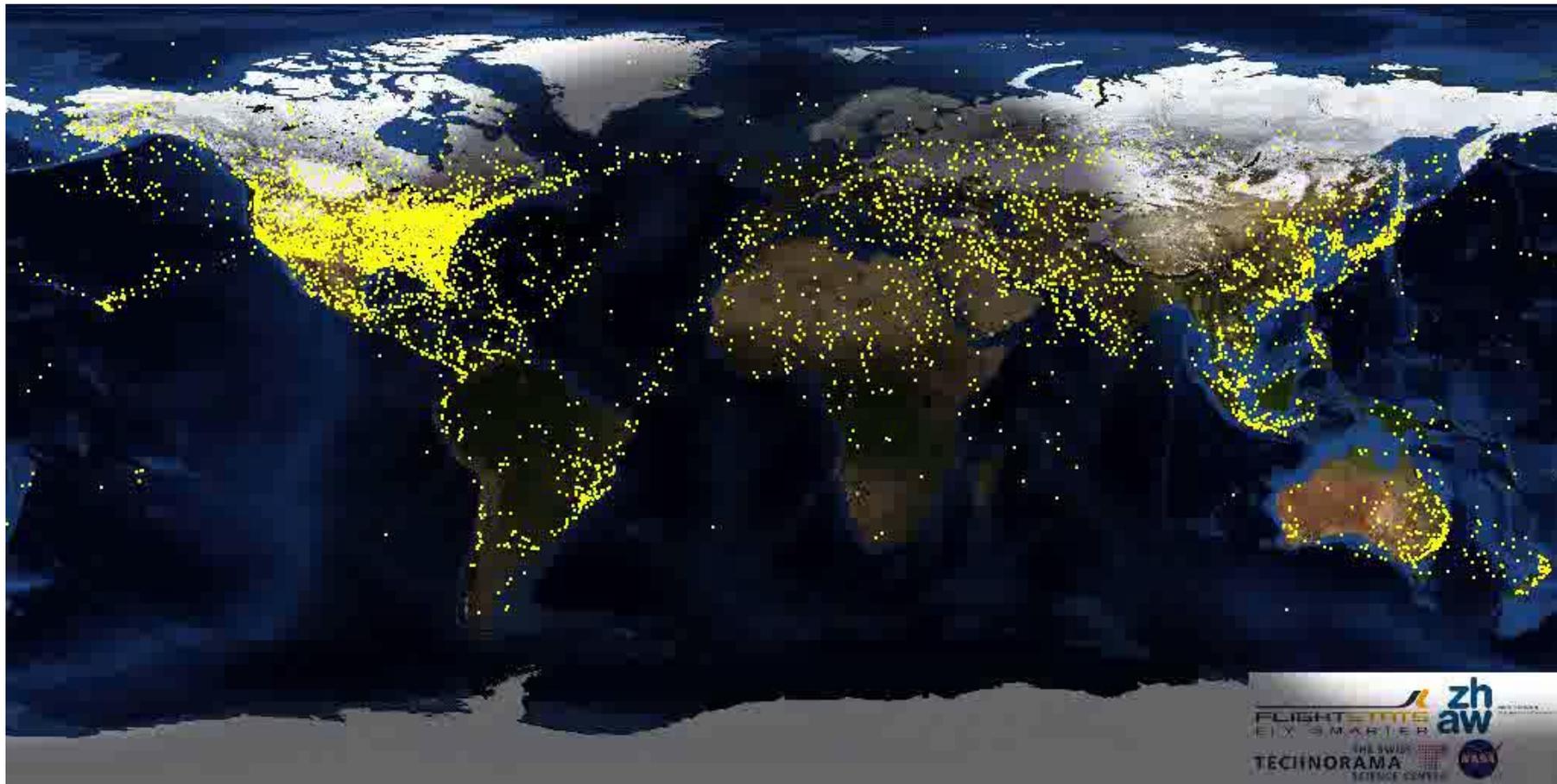
A WORLD OF COVERAGE

GLOBAL NETWORK FOR SATELLITE MANAGEMENT



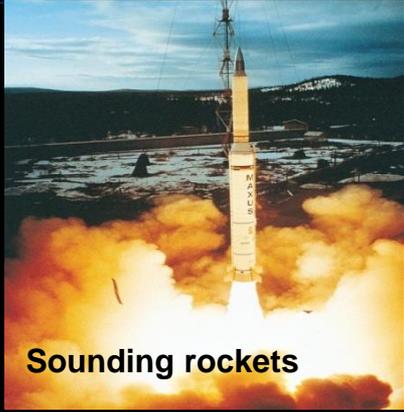
- Existing SSC Stations
- Partner Stations
- Future SSC Stations Conceptual approach
- Network Management Center

WHY KIRUNA?

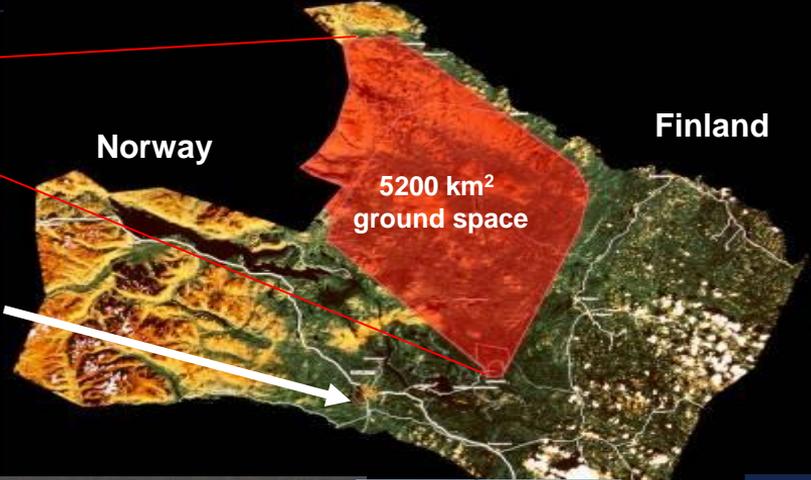


ESRANGE –

PROBABLY THE MOST VERSATILE SPACE RANGE IN THE WORLD



Sounding rockets



Norway

Finland

5200 km² ground space

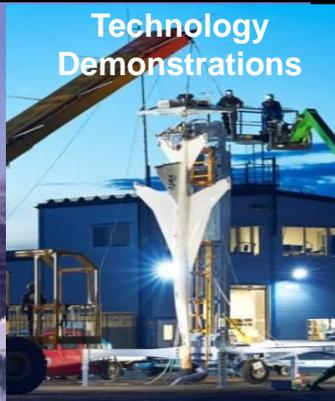
Kiruna



Satellite Ground Network



On Site Science



Technology Demonstrations



Stratospheric Balloons
Scientific Flights
Drop-Tests



NEW capabilities

Space Tech Testbed

Launching of Small satellites

TEST-BED CAPABILITY: ESTABLISHMENT ONGOING



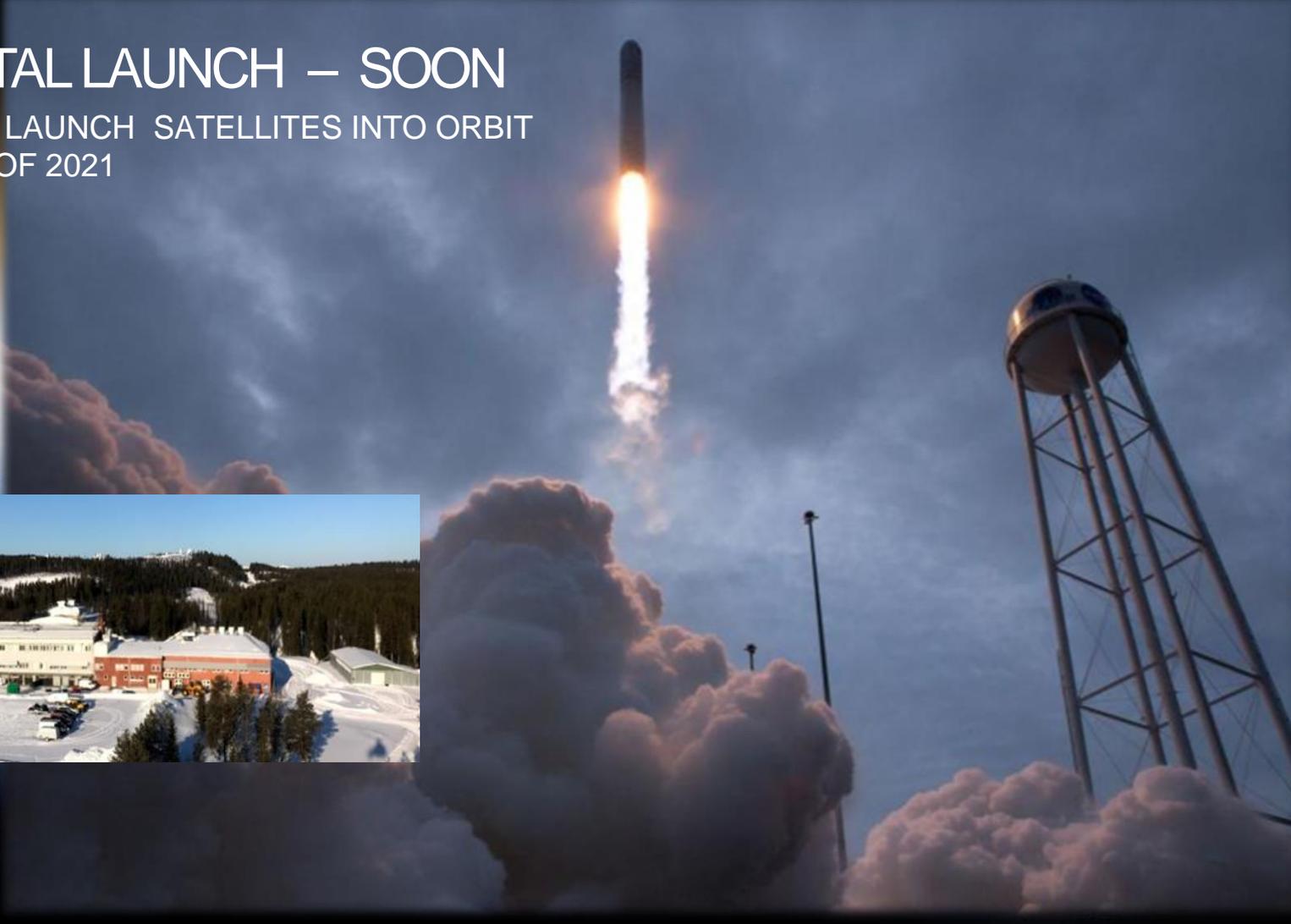
NEW CAPABILITY FOR A NEW ERA

- Drop-tests
- Lander's, e.g. for Mars
- Motor-tests
- Flight tests
- Reusable launchers
- Technology tests and verification
- Scientific and experimental tests
- And more....



ORBITAL LAUNCH – SOON

AIMS TO LAUNCH SATELLITES INTO ORBIT
BY END OF 2021



"GLOBAL WATCH" - A PLANETARY EYE

It is all about the data



Examples:

- Global Sustainability; *Supports All 17 UN sustainability goals*
- Managing Climate Change
- Regional & Global Development
- Forestry
- Agriculture
- Maritime & Fishery
- Maritime Security
- Ocean Ecology
- Carboxide Emissions
- Draughts, Water Supply
- Crises Management
- Societal Planning
- Migration
- Nature & Environment
- Ecological Diversity
- Security & Defence
- Health
- Transportation
- Energy
- Resarch & Technology
- Ice etc etc



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and explore Space for the
benefit of earth**

Enabling a more sustainable development of our planet

Strategic Security – Part of our brand

