

A full-page background image of an astronaut in a white spacesuit floating in space. The astronaut is positioned in the upper half of the frame, with their body angled towards the viewer. Below the astronaut, the Earth's horizon is visible, showing a blue sky and a white atmosphere. The background is a deep black space filled with numerous stars and some nebulae. A bright light source, likely the sun, is visible just below the horizon, creating a lens flare effect.

# Space Engineering Service Solutions

Ground Segment & Managed Services

The world is how we shape it

sopra  steria

# SpaceForce Overview



**1020**

Engineers and experts

- On-Board Software & Satellite Engineering
- Ground Mission & Control systems & operations
- Data Intelligence & Ground Processing
- Flight Dynamics systems & operations
- Cybersecurity in Space
- SSA - Space Situational awareness



**40**

years in Space

- Earth Observation
- Telecom
- Science
- Navigation
- Launchers
- Space Safety



**110**

M€ Turnover

- France
- Netherlands
- Germany
- United Kingdom
- Romania
- Spain
- Italy
- Canada



# Major positions in Europe

## Major Frame contracts

- CNES (IBIS, ALGO, ISS, ...)
- ESOC / GOF9 (MCS, FDS, Stations, SSA)
- ESTEC / EFC2
- EUMETSAT / Engineering, MCS, FDS, HPC, Data...
- DLR (EGS-CC expertise and consulting)

## Major programs

- GALILEO
- EGNOS
- COPERNICUS
- DESTINATION EARTH

## Major Projects for ESA

- EGNOS v3 CPF
- GALILEO MKMF
- SCOS-2000 maintenance & development
- EGS-CC development, integration, expertise
- ESTRACK Ground Stations Monitoring & Control System
- COPERNICUS Sentinel 2 Mission Performance Center
- COPERNICUS S2 Processing Service
- COPERNICUS CSC Reference System
- COPERNICUS CSC Data Processor Reengineering
- COP2 operation



# Ground Segment



## Gosmic

The new operational ground segment software product line based on open source products with a micro services architecture. Usable for small satellite to >100 satellites constellation.

### Key features

- Modular: Product/feature/scope flexibility
- End To End Ground Segment Product Line
- Integration of external assets by design
- Security by design
- Cloud & On-premise solution



For any platform, payload & ground station network

## Space surveillance platform

Answering to both civilian and military operational needs:

- Supporting collision risk activities: propagation, uncertainty & fragmentation modelling, debris evolution model
- Providing real-time spatial situational awareness
- Artificial Intelligence integrated solutions

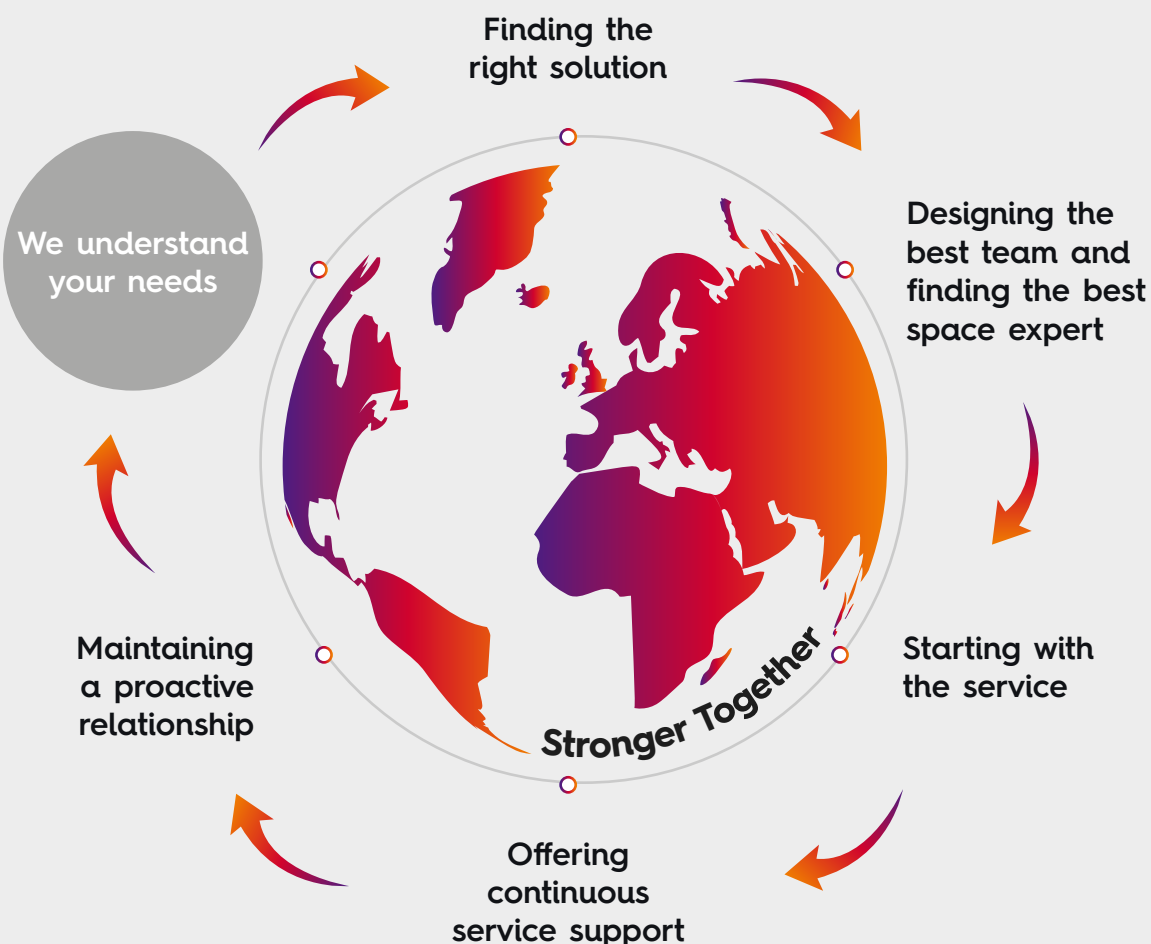


# Managed work package services



## Engineering services across space value chain

- Definition of work packages based on needs, duration, price and deliverables
- Technical and project management perform internally to manage risks, budget and project duration
- Possibility to clear (Visa and Security Clearance) our employees based on project needs
- A hybrid on-site / off-site solution could also be implemented based on your needs



# Towards a sustainable future in Space and on Earth

**SpaceForce** takes corporate social responsibility seriously and wants to make an impact on society.

The companies (HE Space, CS Group, Sopra Steria) which are part of **SpaceForce**, share the same social values focusing on environmental commitment, societal commitment, and diversity.

## Making a change in Children's lives

We think knowledge is a ticket to the stars. In 2008 the HE Space Children's Foundation, a non-profit organisation committed to bringing a change into the lives of orphans and other underprivileged children by providing access to different resources which are instrumental for high quality education. Did you know that the HE Space Children's Foundation's motto is to **"raise up an astronaut?"**

# Stronger Together



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