



# HELIX

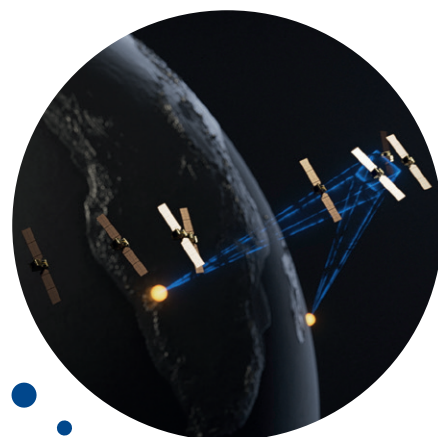
## MULTI-ORBITAL SPACE SURVEILLANCE SERVICE

- EUROPE'S LARGEST PRIVATE SPACE SURVEILLANCE NETWORK OPERATING OPTICAL AND INFRARED SENSORS WORLDWIDE
- HIGH-PRECISION TRACKING AND REAL-TIME SPACE SURVEILLANCE ON ALL ORBITS – DAY AND NIGHT, 24/7
- SECURE SERVICES, EITHER TURNKEY OR CUSTOMISED, FOR DEFENCE AND CIVILIAN SATELLITE OPERATORS



# HELIX

Helix is a private space surveillance service fully developed and operated by ArianeGroup, delivering advanced services for the detection, tracking, characterization, and protection of space assets.



## Our Services

- › Surveillance of satellites and space debris in Low Earth Orbit (LEO), Medium Earth Orbit (MEO) and Geostationary Earth Orbit (GEO).
- › Catalogue of positioning, orbit tracking and space objects analysis data, with high-precision orbit determination.
- › Customised, secure operational services and products, 24/7.
- › Optical solutions for night and day measurements.
- › Services tailor-made to the needs of civil and defence satellite operators: surveillance of space assets, identification and cataloguing of objects, behaviour characterisation, detection of manoeuvres, decision-making aids, and anti-collision services.
- › Turnkey system: command and control centre and ground based optical stations.
- › A global solution for Space Surveillance and Tracking (SST), Space Situational Awareness (SSA), Space Domain Awareness (SDA) and Space Traffic Management (STM).

ALL ORBITS  
DAY AND NIGHT  
24/7

15+  
YEARS OF  
EXPERIENCE

CIVIL AND  
MILITARY  
APPLICATIONS





# WHY CHOOSE HELIX?

## EUROPE'S LARGEST PRIVATE TELESCOPE NETWORK

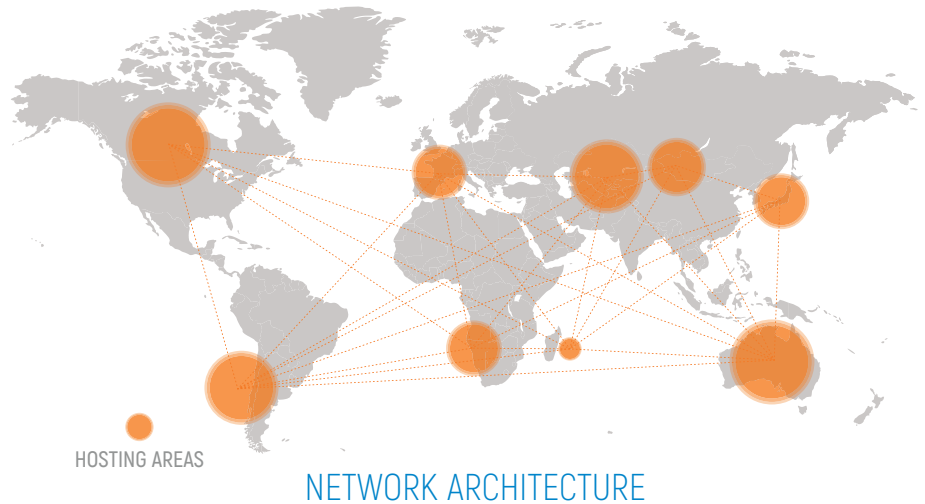
The Helix system comprises a command and control (C2) centre connected to a network of a steadily growing optical and infrared surveillance stations spread around the world.

## SOVEREIGNTY & SECURITY

A network 100% operated and secured by ArianeGroup, ensuring strategic autonomy and data confidentiality.

HIGH-PRECISION  
ORBIT  
ANALYSIS

HIGH  
REVISIT  
RATE

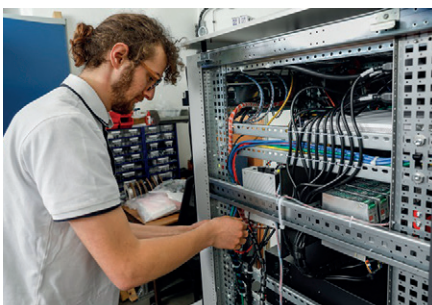


## PERFORMANCE & RESPONSIVENESS

High-resolution sensors combined with real-time AI-powered analytics for fast and precise data processing.

## INTEROPERABILITY

Fully compatible with international standards (European Space Surveillance Tracking EU SST, Consultative Committee for Space Data Systems CCSDS, etc.), allowing smooth integration into existing systems.



**15+ YEARS OF EXPERIENCE IN COLLECTING AND PROCESSING SPACE SURVEILLANCE DATA.**

From one-off analysis to continuous monitoring, our services adapt to the needs of space agencies, private operators and defence organisations.

# #RocketMakers

[www.ariane.group](http://www.ariane.group)



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