
# IN ORBIT SERVICES TO GEO OPERATORS

# WE DELIVER GEO IN ORBIT SERVICERS TO PROTECT AND EXTEND STRATEGIC ASSETS

## ORBIT GUARD

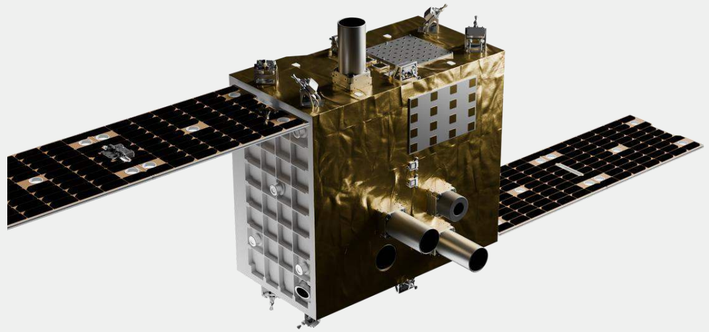
## THE EUROPEAN GEO SPACE SHIELD

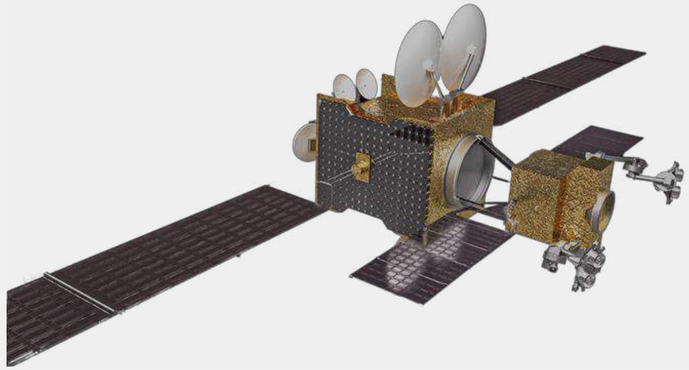
*A responsive fleet of GEO surveillance micro-satellites*

**Use cases**
Space Situational Awareness, Inspection & Strategic asset protection

**Currently**
Optical and RF inspection for early identification and characterization of threats

**Next generation**
Scalable and reversible counter-active measures





## ENDURANCE

## THE GEO LIFE EXTENSION SERVICER

*A competitive and flexible alternative to replacement*

**Use cases**
Extension of GEO assets' lifespan

**Currently**
5 years extension to unprepared end of life GEO assets, station keeping slot relocations, inclination correction and end of life disposal

**Next generation**
Maintenance and refuelling capabilities

# WE FOLLOW AN INCREMENTAL ROADMAP WITH FLIGHT HERITAGE AND COMMERCIAL TRACTION

**2023**

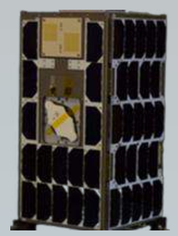
Orbit Guard #1

- Pilot Mission of Infinite Orbits
- First commercial missions with international GEO operators
- World’s first commercial 16U CubeSat in GEO

**2026**

Orbit Guard #2

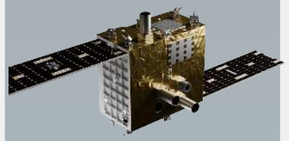
- Preparation of SSA service
- Validation of Far-Range Rendezvous
- Continuation of commercial missions with GEO operators



**2027**

Orbit Guard #3
&
Orbit Guard #4

- Dedicated SSA satellites for passive and active GEO inspection
- Validation of Near-Range Rendezvous



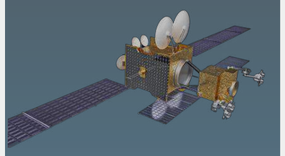
FRANCE 2030

**2027/2028**

Endurance #1

Life-Extension Mission

- First european GEO life extension mission
- Validation of docking, station keeping and EOL phase



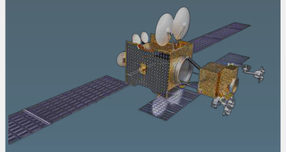
FRANCE 2030 ses

**2029**

Endurance #2

Life-Extension Mission

- Second commercial GEO life extension mission (signed option)

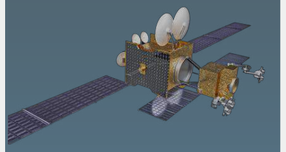


**2030**

Endurance #3

Life-Extension Mission

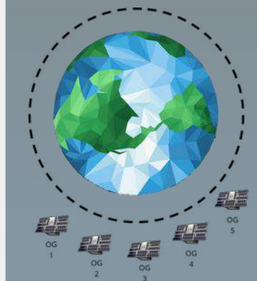
- Third commercial GEO life extension mission (signed option)



**2030**

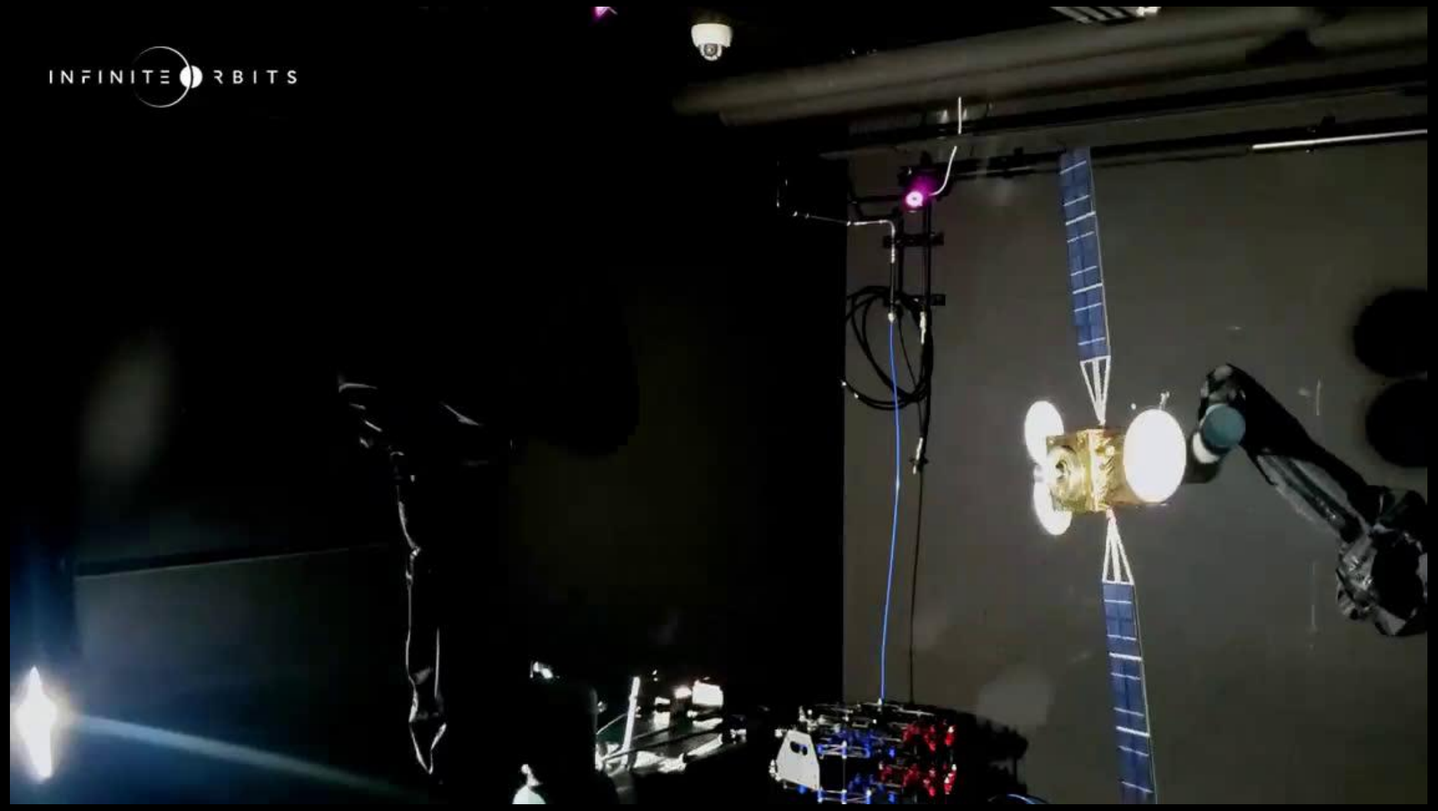
Orbit Guard fleet

- 10 to 15 Orbit Guards in sub-GEO for a complete SSA service in GEO with inspection capacity




INFINITE ORBITS

# A PATENTED RENDEZVOUS SOLUTION - vision based autonomous navigation solution for a competitive and safe service



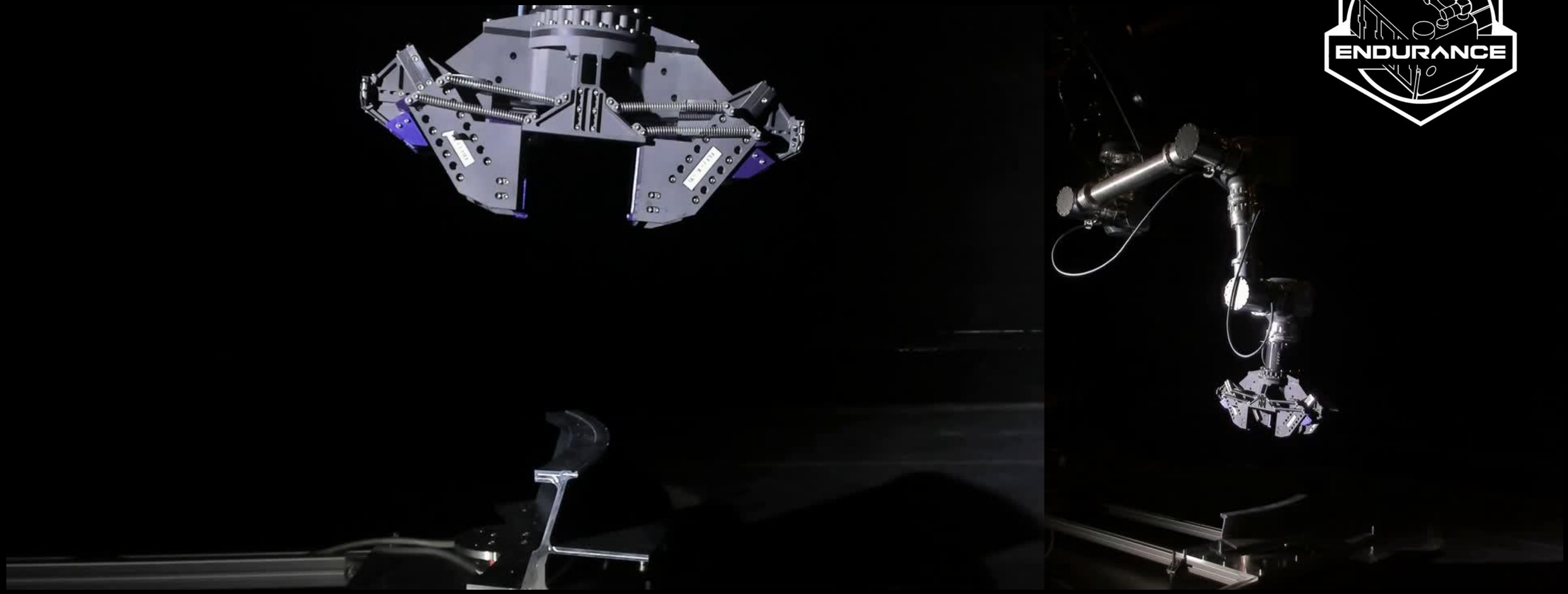

Infinite Orbits rendezvous solution is tested in the SnT Luxembourg Zero-G lab simulating the different targets attitude and environment conditions (e.g. lightning)

Several campaigns performed already since 2023.

uni.lu UNIVERSITÉ DU LUXEMBOURG

SnT securityandtrust.lu

# A TESTED DOCKING CAPACITY



Infinite Orbits successfully completed a docking system test campaign in March 2025. This video shows an autonomous docking with hardware (engineering models) and software.

INFINITE ORBITS

# THANK YOU FOR YOUR TIME

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