



Satellites to Understand & Connect the World

[open - cosmos.com](https://open-cosmos.com)



Making Space For Life on Earth

Open Cosmos designs, builds, and operates satellites,
sustaining to measure, interpret and connect the World.

ABOUT US

2015

Foundation year

15

Successful satellite
missions launched

>250

Employees in
our facilities

SOME INSTITUTIONAL CLIENTS



HELLENIC REPUBLIC
Government



GOBIERNO
DE ESPAÑA



GOVERNO DE
PORTUGAL

Facilities in Spain,
Greece, Portugal and
the UK





Sa tellite Missions

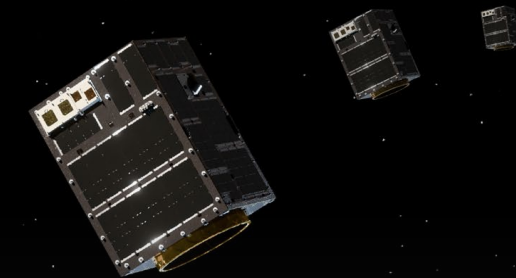
Open Orbit

Dedicated satellite missions,
incl. satellite design, manufacturing,
launch, in-orbit operations, data
delivery, insurance and licensing.

Open Constellation

A shared satellite infrastructure
unlocking unprecedented
collaboration.

Our Data & AI



Data Cosmos

Imagery and analytics delivered
via a cloud-based platform.

Our Connectivity



Connected Cosmos

Telecom and IoT solutions
for scalable, cost-effective,
and secure connectivity.

Launched

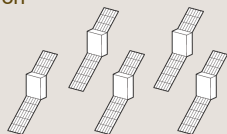
Launch LEOP
& Commissioning

SUAC

6GSTARLAB

BBIU

Operation



ALISIO 1

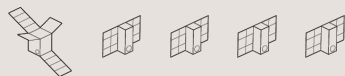
PLATERO

HAMMER

MENU

PHISAT 2

De-Orbit



MANTIS

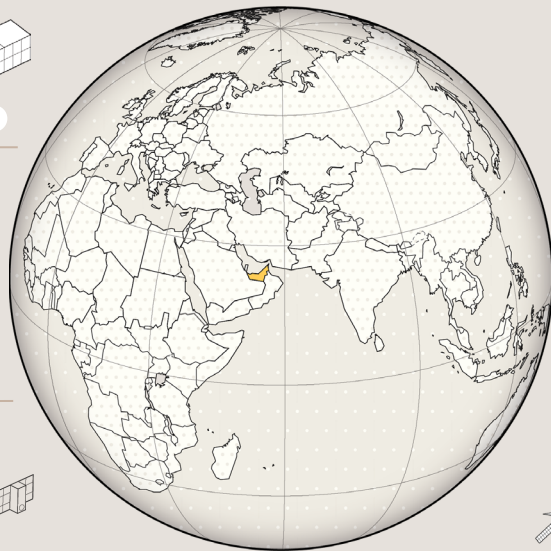
DOVER

LS2

ENXANETA

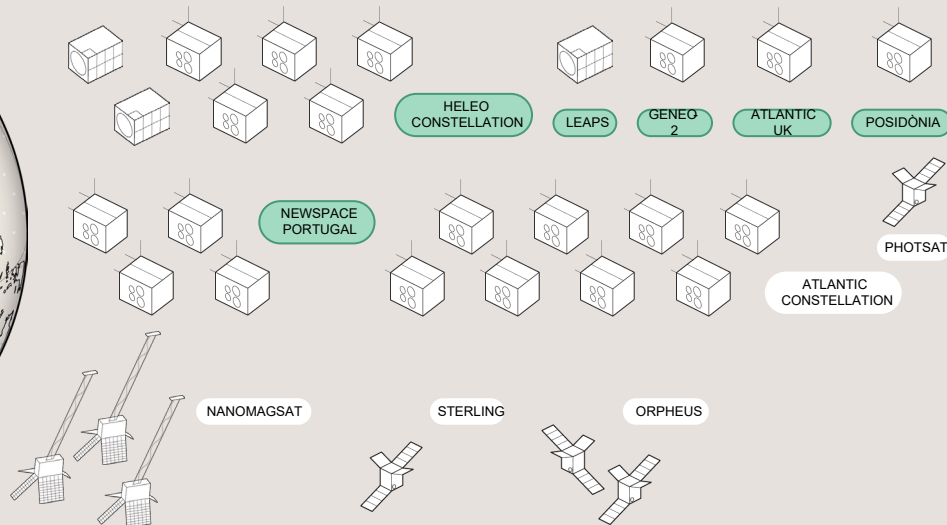
QB50

Up and Coming



OPENCONSTELLATION

Design & Manufacturing



RESOLUTIONS

MR: 5 meters

HR: 1.5 meters

VHR: 0.5 / 1.0 meters

SENSORS

Multispectral

Hyperspectral

SWIR and TIR

KEY TECHNOLOGIES:

Earth Observation

IoT Communications

High-Data rate Comms

Intersatellite Links

Laser Communications

Artificial Intelligence

On-Board Processing

AIS

OCC 1.0: Lanzamiento de 15 satélites este 2026

A través de esta constelación, pretendemos ser capaces de capturar imágenes de más de 3 Mde km² al día, con visitas subsidiarias en diferentes bandas y resoluciones.



EARTH OBSERVATION PRODUCTS:

- o Hyper 500 (4,75 m GSD, 20 km swath)
- o Multi 500 (4,75 m GSD, 20 km swath)
- o VNIR 500 (2,5 m GSD, 13 km swath)
- o VNIR 100 (1m GSD, 21km swath)
- o Hyper 800 (1,8 m GSD, 35 km swath)
- o Multi 150 (2,5 m GSD, 30 km swath)
- o SWIR 200 (20 m GSD, 21km swath)

OPERATIONAL TIMES

- o Standard (48 horas)
- o Preferred (24 horas)
- o Rush (4 horas)
- o Fast-look (30 minutos)

TELECOMS:

- o IoT Payload
- o S- Band and UHF Bidirectional Comms
- o Flexible SDR- based
- o LPWAN and 3GPP compatible
- o Imagery plus in- situ data
- o Added Value Services

ESCA: 8 satélites que se lanzarán a partir de 2027

El segmento español de la constelación atlántica consta de 8 satélites equipados con ópticas VNIR de Alta Resolución que serán explotados por la AEE



DEPLOYMENT IN ORBIT

- o Pathfinder: Q3 2027
- o Remaining: Q1 2028

EARTH OBSERVATION:

- o VNIR 1.8 m GSD native (1.1m post)
- o GNSS R payload
- o 7.5 km Swath
- o 6 Bands: PAN, RGB, 2 red edge, NIR

OPERATIONAL TIMES

- o Latencia para datos L0: 1h
- o Downlink capacity: 30GB per pass

TELECOMS:

- o IoT Payload (LoRa)
- o AIS payload

ESCA ground and user segment:



Data Cosmos



Open App

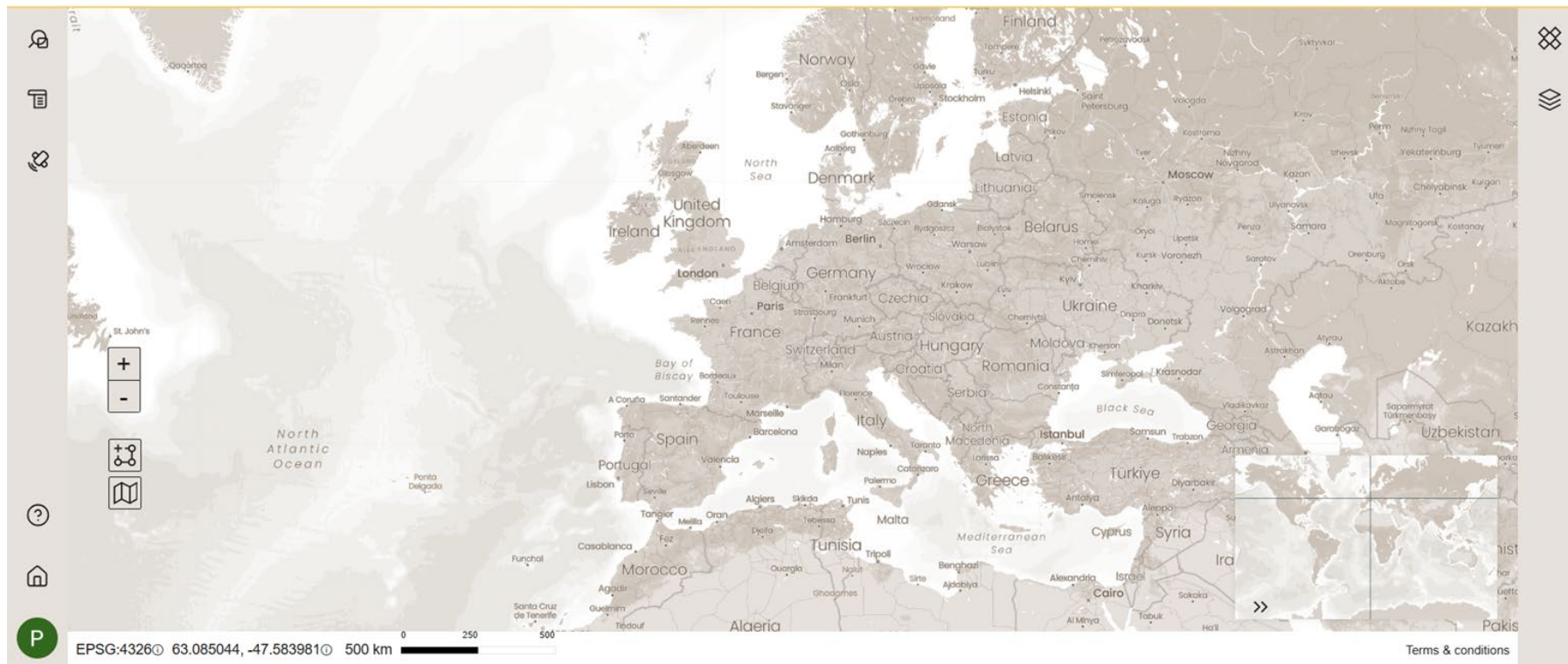
OpenApp - Data Cosmos

OPEN COSMOS

DEMO AEE | Free editing mode

OPEN COSMOS

Open Cosmos Base Contract



Thank you.

OPEN COSMOS

Satellites to Understand
& Connect the World