

# About GEOSAT-2

## What

Part of ESA's Third Party Missions Programme, **GEOSAT-2 is an Earth-imaging satellite in the GEOSAT series of missions.** It is the first European satellite owned by a private company capable of providing sub-metric multispectral imagery worldwide

## When

Launched on



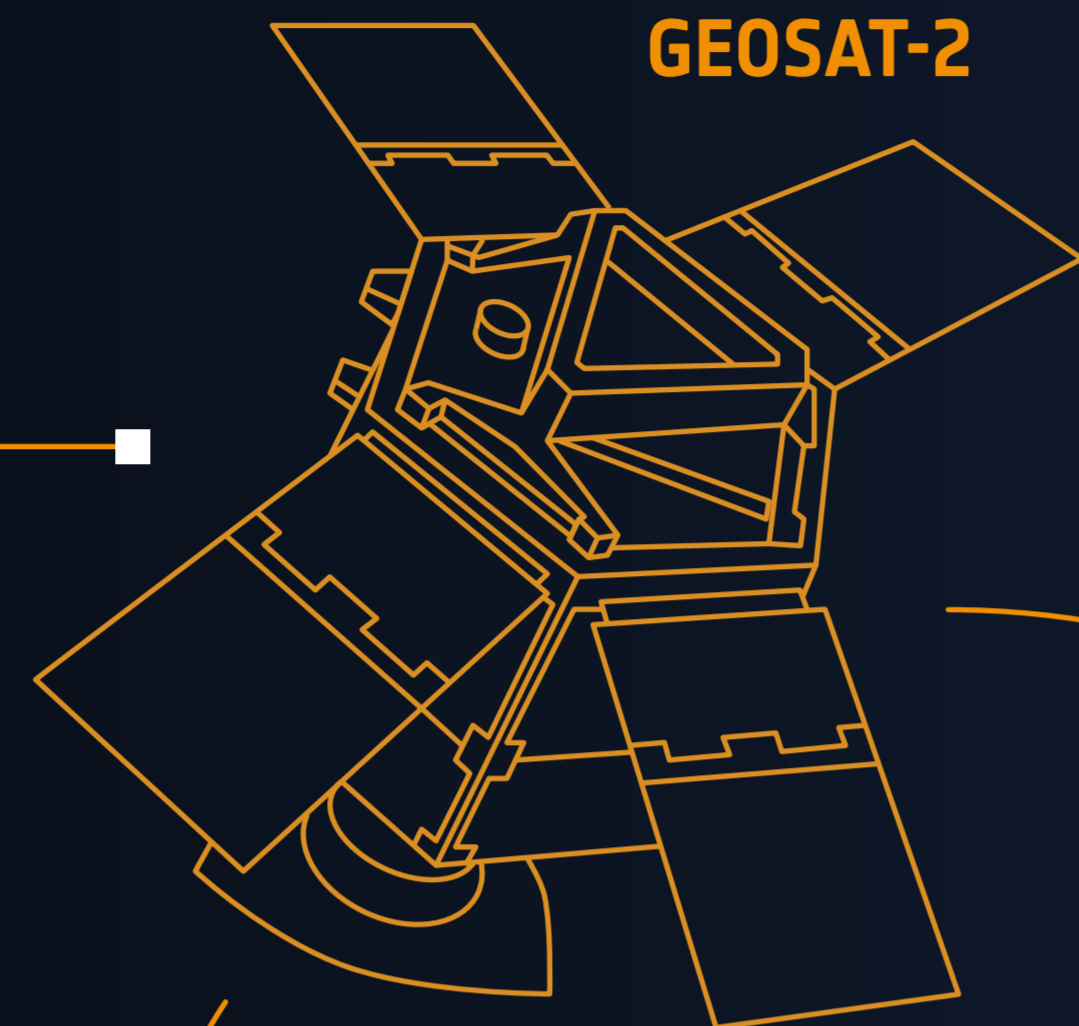
Launched on 19 June 2014, from Yasnny Cosmodrome in Russia

## Built By

Built by the Satrec Initiative for Elecnor Deimos in Spain, GEOSAT-2 is now owned and operated by GEOSAT

## Objectives

Along with the GEOSAT-1 mission, GEOSAT-2 forms the **GEOSAT Earth Observation system.** The objective of the GEOSAT series is to provide very-high-resolution data, carry out commercially-focused operational imaging missions, supporting rapid-response and large-area mapping for a range of applications



GEOSAT-2

High-Resolution Advanced Imaging System  
**HiRAIS**

revisit time  
2 days



GEOSAT-1

## Coverage

150,000km<sup>2</sup>/day

40cm

With an expected mission lifetime of at least seven years, GEOSAT-2 has a collection capacity of more than 150,000 km<sup>2</sup>/day with a two-day average revisit time worldwide - one day at mid-latitudes. It provides mid-resolution, very-wide-swath imagery, carrying a **High-Resolution Advanced Imaging System (HiRAIS).** HiRAIS is a 75 cm pan-sharpened multispectral optical instrument, with a very-high resolution camera of five spectral channels (1 panchromatic, 4 multispectral). Using advanced artificial intelligence techniques, up to 40 cm high-definition products are also available

## Applications

GEOSAT-2 supports activities in the following areas:

- Sustainable development in agriculture
- Maritime
- Land administration & mapping
- Defence & security
- Civil protection
- Oil & gas
- Climate change monitoring
- Forestry & environment
- Emergency & disaster management

## Data and Users

500,000

GEOSAT-2 has captured over half a million images since it was launched in 2014. From 2006, GEOSAT's satellites have delivered EO products and services to customers such as the European Maritime Safety Agency (EMSA), U.S. Department of Agriculture (USDA), Brazilian Air Force (BACE), GEOSYS, ESA and many others

Data Access: [earth.esa.int/eogateway/catalog/geosat-2-full-archive-and-tasking](http://earth.esa.int/eogateway/catalog/geosat-2-full-archive-and-tasking)