

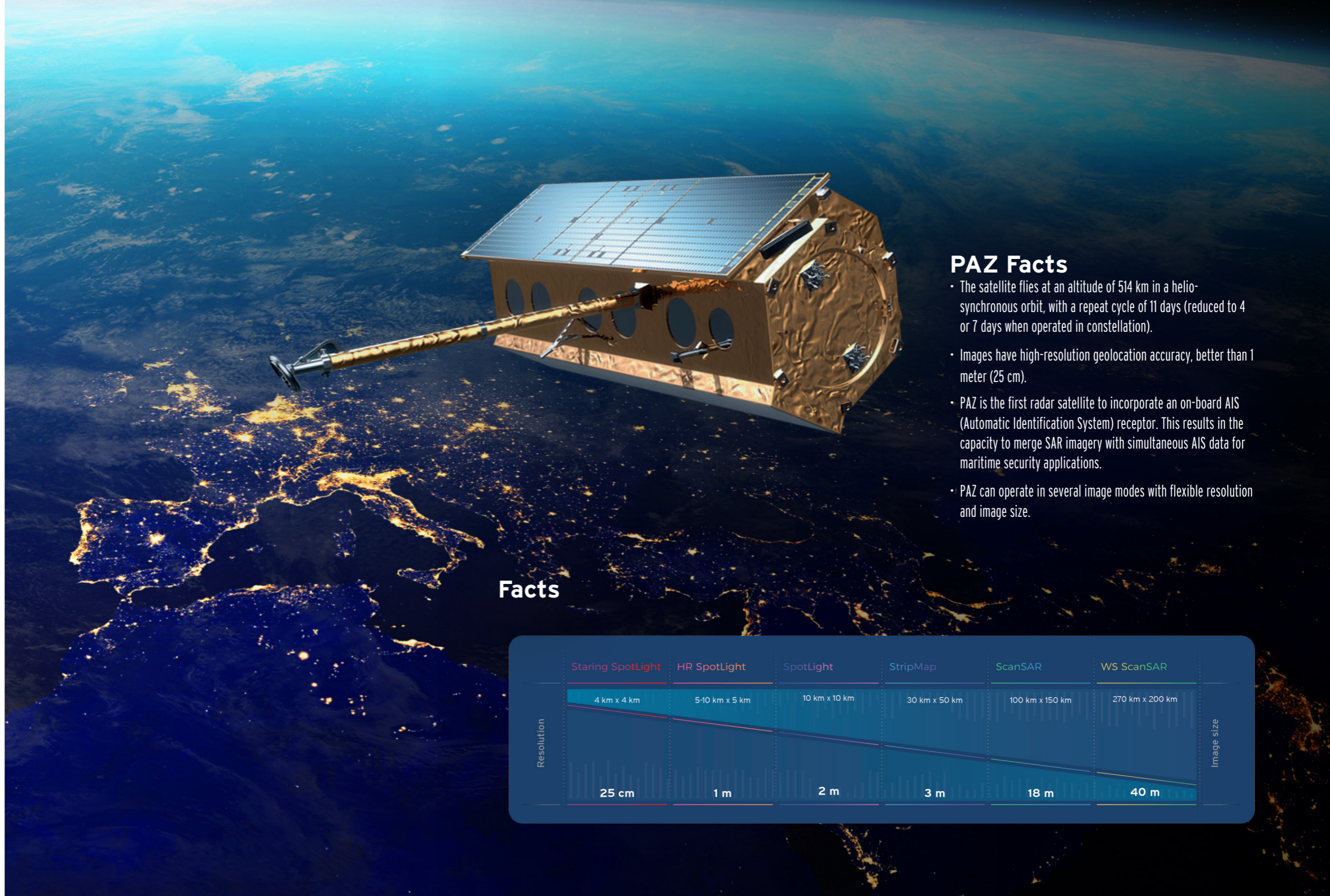
# PAZ Mission

PAZ satellite, operated by Hisdesat, is the first Spanish radar Earth Observation satellite, which is included within the National Earth Observation Programme.

PAZ was launched on 22<sup>nd</sup> February 2018 on-board of a Falcon 9 rocket from Vandenberg Air Force Base (California).

The satellite collects high-resolution radar imagery for applications in Defense and Civilian domains. The 1,400-kilogram satellite carries an X-Band Synthetic Aperture Radar (SAR) capable of delivering imagery with ground resolution up to 25 cm, capturing around 100 scenes per day under all-weather conditions.

PAZ satellite is positioned in the same orbit than TerraSAR-X and TanDEM-X satellites, from Airbus Defence & Space, in order to operate in constellation with them. This results in significant reduction of the revisit time and an increase in the daily acquisition capacity.



## PAZ Facts

- The satellite flies at an altitude of 514 km in a helio-synchronous orbit, with a repeat cycle of 11 days (reduced to 4 or 7 days when operated in constellation).
- Images have high-resolution geolocation accuracy, better than 1 meter (25 cm).
- PAZ is the first radar satellite to incorporate an on-board AIS (Automatic Identification System) receptor. This results in the capacity to merge SAR imagery with simultaneous AIS data for maritime security applications.
- PAZ can operate in several image modes with flexible resolution and image size.

## Facts

