





Radar Constellation

DEFENCE AND SPACE

Intelligence

Radar Satellite Services Provide Unique Precision, Quality and Reliability

AIRBUS

Net States

Precision – Reliability – Revisit

All the advantages of Synthetic Aperture Radar remote sensing provided by one unique constellation:

Highly accurate and reliable Earth observation in near-real-time - independent of weather and daylight conditions.

Our Radar "Toolbox" - Made for Results

Airbus Defence and Space and Hisdesat's unique Synthetic Aperture Radar (SAR) satellite constellation is geared to serve user's needs. Its accurate measurement, extraordinary acquisition success and high reactivity makes the Radar Constellation "go-to" solution for innovative business solutions management.

TerraSAR-X/TanDEM-X and PAZ which operate in the same orbital tube and feature identical ground swaths & imaging modes in this precise technology.

Using spaceborne SAR we can provide

geometric accuracy and provide highly precise information of any point on Earth. Our imagery is ranging from very high resolution to wide-area coverage. resolution of up to 25cm continues to be among the very best in the spaceborne commercial radar market. The constellation's data-hungry services and time-critical enabling a broad array of applications, e.g.

- Interferometric (InSAR) analysis (e.g. oil & gas fields, civil engineering structures)
- Detection and identification of objects and their changes (e.g. for image intelligence applications - IMINT, GEOINT)
- Monitoring of objects and their movement (maritime and on-shore)

Benefits

- 6 Imaging Modes
- Resoulution from 25cm to 40m
- Wide Area Monitoring
- 4 / 7 Day Interfrometric Revisit Cycle
- Up to 12hrs Revist Time (depending on location)
- Highest Geolocation Accuracy (<1m)
- High Reactivity
- Capacity suits data-hungry missions
- Capability to detect changes, measure surface motion and heights
- Source for Ground Control Points
- Weather- and Daylight-independent



Weather and Daylight independent

Global coverage

Constellation Capacity



Short Revisit Rate & Repeat-Cycle

Deliverv

Reliable and fast



The Power of Radar Satellite Images

Fully Operational at Night or in Clouded Conditions



Wide Area Monitoring Suited for e.g. maritime surveillance

Pinpoint Detail Down to 0.25m resolution Image interpretation close to optical

Millimetre-accurate Monitoring Enabling Surface motion analysis & change detection high spatial & temporal resolution



Germany, Hungary, Singapore, Spain, United Kingdom, United States

Subject to change without notice © 2023 Airbus DS All rights reserved.

