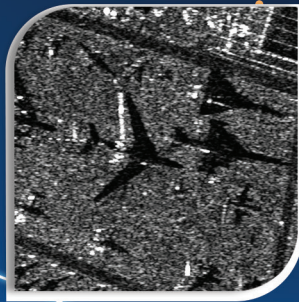
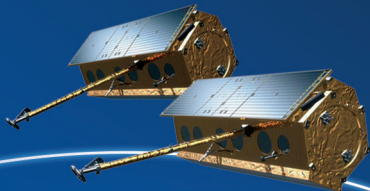


Intelligence

# TerraSAR-X / PAZ Constellation

Enhanced Revisit Time and Coverage



# New Radar Satellite Constellation Complements Airbus Defence and Space Constellation Offer

Optimised revisit time, increased acquisition capacity, improved service: the new radar satellite constellation comprised of TerraSAR-X / TanDEM-X and PAZ offers enhanced capabilities.

## TerraSAR-X / PAZ Radar Satellite Constellation

The Spanish PAZ satellite (owner and operator: Hisdesat) will be launched into the same orbit as TerraSAR-X and TanDEM-X. The three almost identical satellites will be operated in a constellation and will provide customers with a wide range of benefits.

- Significantly reduced revisit time (4 / 7 days), particularly valuable for interferometric data stacks
- Enhanced acquisition capacity for monitoring and mapping applications
- Easy ordering through one order desk, single catalogue and one pricelist

The satellites will feature exactly identical ground swaths and acquisition modes including the new Staring SpotLight and Wide ScanSAR modes.

A coordinated ground segment and flexible Direct Access Services will enable customers to receive and process data of all three satellites in the same way.

PAZ will also have the ability to receive Automatic Identification System (AIS) signals from ships, which can be combined with operational ship detection and tracking. Together with the new Wide ScanSAR mode capacity, the constellation is a true step towards more effective maritime monitoring.

Numerous data-intensive and time-critical tasks in the areas of crisis management, surface movement monitoring as well as defence and security will also directly benefit from this new constellation.

## A New Era in Constellation Services

The TerraSAR-X and PAZ constellation will expand Airbus DS's already broad constellation services also comprising the optical satellites SPOT 6/7 and Pléiades 1A & 1B.

The unrivalled constellation capabilities combining optical and radar satellites provide for:

- Unprecedented worldwide coverage regardless of Area of Interest and weather conditions
- Daily and intra-daily revisit capacity for any point on Earth
- High information content and reliable interpretation through complementary use of radar and optical data
- Enhanced sensor availability and capacity guarantees data access when and where needed.

By bringing together radar and optical constellation capabilities. Airbus DS can offer customers worldwide a unique and flexible access to diverse imagery with wide coverage, fine detail, reliable new collections, fresh and extensive archives as well as excellent reactivity.

The easy access to Airbus Defence and Space's broad constellation portfolio empowers data users to select the optimal satellite solution based on the respective application's thematic, temporal and spatial requirements.

