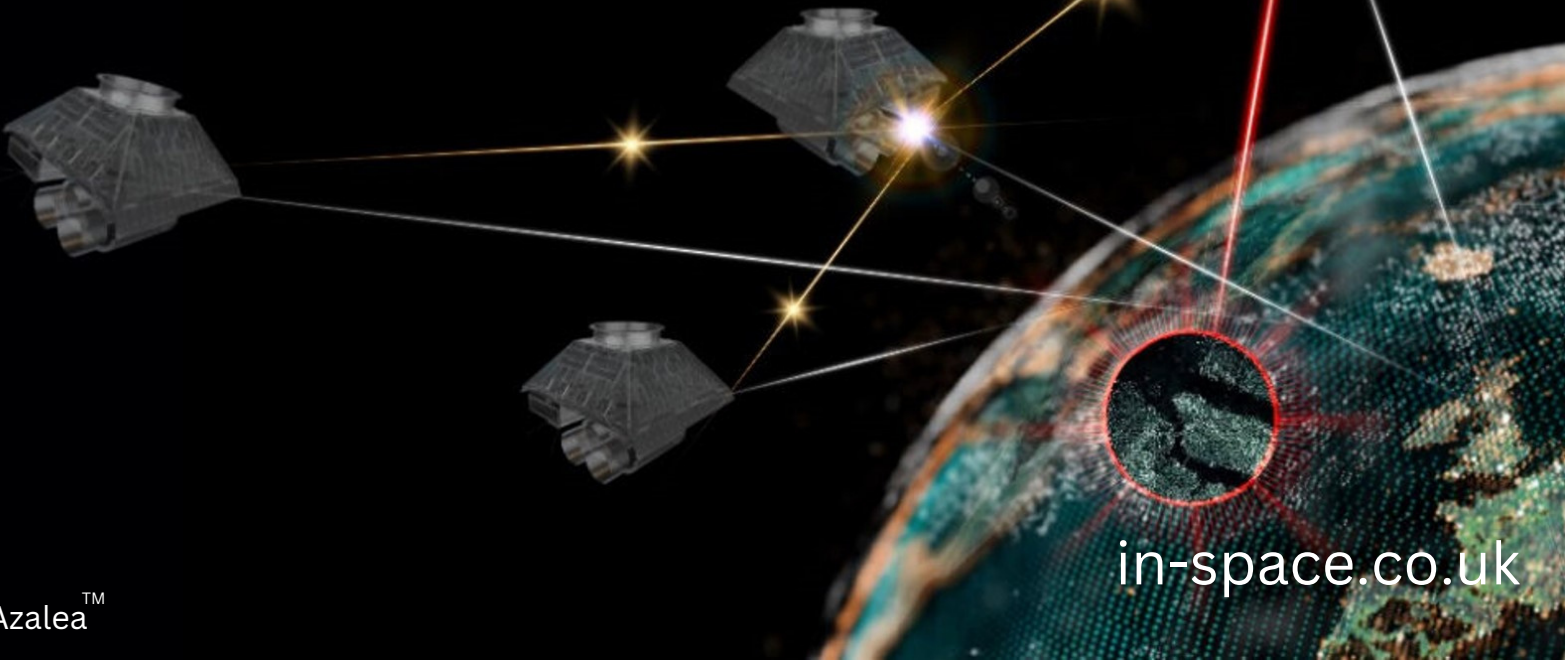




INSPACE
MISSIONS



in-space.co.uk

Azalea™

InSpace Digital

A sophisticated, flexible, reprogrammable multi-sensor ground and space system delivering plug-and-play EO, SAR and RF data to multiple users for a range of applications.

- **Query:** Exploit our rich archive of geometric & radiometric corrected EO, SAR and RF data or access our tailored analytics products
- **Task:** Task our InSpace Digital Live system to deliver timely, geolocated raw or processed data
- **Simulation:** Develop your application in a simulated environment that is representative of our operational InSpace Digital Live system
- **Orbit:** Validate, upload or execute your application on our Operational InSpace Digital Live system with the support of our service delivery team

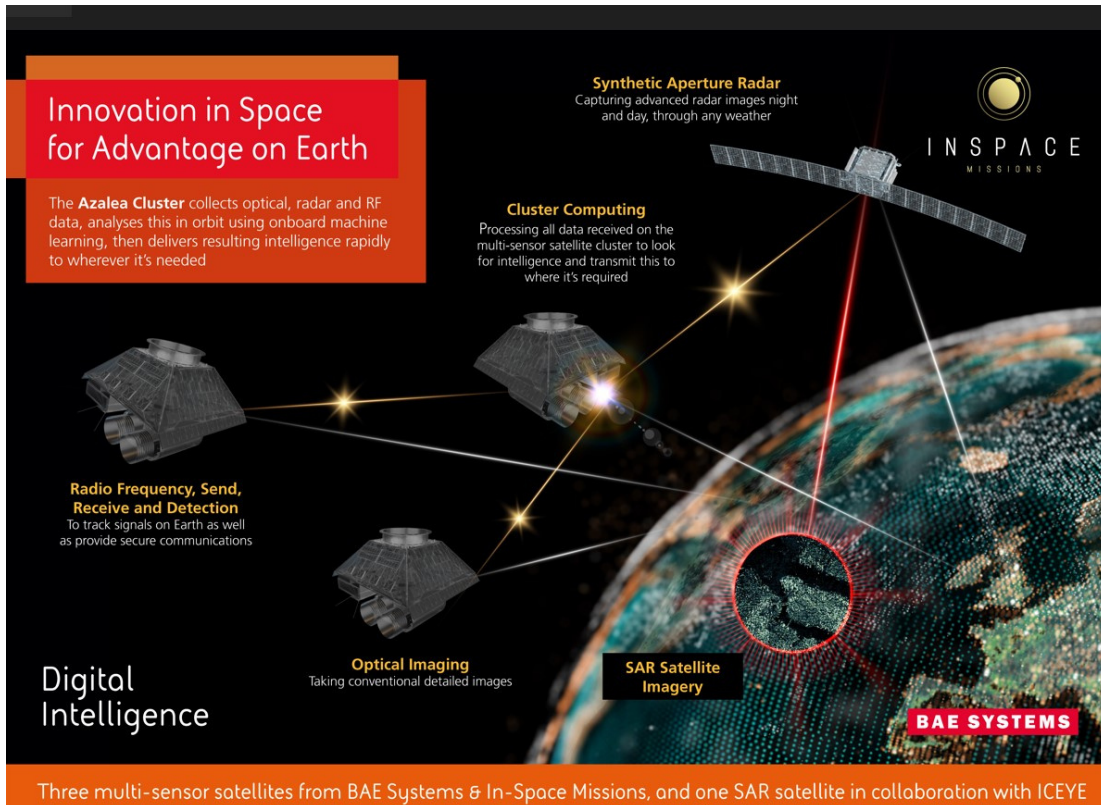
Azalea/InSpace Digital, currently in build, launching 2024
Contact us: info@in-space.co.uk

InSpace Digital

We foster a flexible service allowing customers and partners to access data via our platform and develop and deploy applications to the space segment.

A data agnostic language is used allowing easy export of data directly to existing systems for integration with third-party data sets, increasing the operational scope of the system to multiple sectors.

Azalea™



Innovation in Space for Advantage on Earth

The **Azalea Cluster** collects optical, radar and RF data, analyses this in orbit using onboard machine learning, then delivers resulting intelligence rapidly to wherever it's needed

Synthetic Aperture Radar
Capturing advanced radar images night and day, through any weather

Cluster Computing
Processing all data received on the multi-sensor satellite cluster to look for intelligence and transmit this to where it's required

Radio Frequency, Send, Receive and Detection
To track signals on Earth as well as provide secure communications

Optical Imaging
Taking conventional detailed images

SAR Satellite Imagery

Digital Intelligence

BAE SYSTEMS

Three multi-sensor satellites from BAE Systems & In-Space Missions, and one SAR satellite in collaboration with ICEYE

In-Space Missions is working with BAE Systems to provide the capability to design, build, launch and operate their Azalea satellites. Azalea is a multi-sensor 4 satellite constellation that will be launched into low Earth orbit in 2024 to deliver high-quality information and intelligence in real time. Azalea Digital can be reprogrammed to use the multiple optical payloads and the RF multi-band and wide band collect system on three of the spacecraft, along with the SAR payload on the fourth, to generate pre-processed value added data or actionable information to users. The Azalea full capability consists of a large constellation of satellites operating in small clusters of three or four satellites. The clusters will be positioned in a variety of low earth orbits that will enable a high revisit / data refresh rate at any point on the globe.

The system includes inter-satellite links between the spacecraft, precision timing and metrology, and intersatellite links via GEO for low volume data and tasking.

Key use cases

- Maritime Monitoring
- Border Control & Migration
- Wide area monitoring
- Infrastructure Monitoring
- Environmental Monitoring
- ESG Monitoring
- Spectral Monitoring
- Signal Experimentation
- Supply Chain and Transport Monitoring
- Remote Facility Monitoring
- Commodity Trading
- Properties Insurance
- Patterns of Life