# GICentre

Full Solution for Earth Observation

The Geo Information Centre **(GIC)** is a cross-cutting, modular solution that allows the customer to have at its own premises a tailored and comprehensive end-to-end process to generate added value products from multi sensor data for several application domains.

It is composed by hardware, software and a package of services, and it can include a **Commercial User Terminal** (CUT) on customer premises, to directly have access to satellite data.

The GIC is **modular** by design, based on the composition of **Building Blocks** through specific and consolidated **workflows**, and it has a number of **predefined applications** that can be easily configured for specific needs on **multiple application domains**.

## APPLICATION DOMAINS

- MARITIME AWARENESS
- DEFENCE & SECURITY
- OIL AND GAS
- CRITICAL INFRASTRUCTURE MONITORING
- BUSINESS INTELLIGENCE
- AGRICULTURE
- CARTOGRAPHY AND LAND MANAGEMENT
- EMERGENCY MANAGEMENT

## CAPABILITIES

- COSMO-SkyMed CUT AND MULTI-MISSION EO DATA ACCESS ONSITE
- NEAR REAL TIME MONITORING
- MULTI DOMAIN APPLICATION PLATFORMS
- IN-HOUSE END-TO-END DATA PROCESSING
- MODULAR CUSTOMIZED SOLUTIONS
- TRAINING, KNOWLEDGE TRANSFER AND CAPACITY BUILDING
- OPERATIONAL SUPPORT

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## SYSTEM

The **GIC system** is built from a Hardware platform tailored on customer's need, and a Software platform including all the Building blocks and workflows to produce the requested outputs. Everything is installed at customers' premises. The GIC provides also the capability to access third party systems to retrieve services and data.

### MULTI-MISSION SATELLITE GROUND STATION (MMSGS)

If required, the GIC can include: a 7.3m antenna, a COSMO-SkyMed Customer User Terminal for Radar data and possible other receiving stations for optical data, located at Customer's site. It allows planning, acquiring, receiving and processing radar and optical data within the footprint of the acquisition antenna; this constitutes an asset to be exploited for a wide range of applications.

### SERVICE PACKAGE

The **service package** includes the system installation at customer premises and the support to operations. The GIC solution always encompasses a significant period of training, Knowledge Transfer and Technology Transfer for customer capacity building, support and maintenance.

### DATA

A specific commercial **data set** (satellite imagery, and other types of data sets according to specific applications) needed to run the system can be integrated and provided as part of the solution. The GIC can also integrate open data or specific **customers' data**.

### THE GEO INNOVATION LAB

If required, the GIC concept can include also the Geo Innovation Lab, a joint initiative between the customer, e-Geos and external collaborators such as universities or R&D centers. Its objective is to foster **R&D and Innovation activities** focused on customer specific requirements in relation to the enrichment and evolution of the GIC.

### GIC PLATFORM

A tailor made turnkey solution for geospatial information acquisition and analysis, based on already existing e-GEOS platforms, such as **AWARE** (Agile Watching of Assets and Resources), **SEonSE** (Smart Eyes on SEas), **mapcy** (Mapping and Analytics for Emergency), **braint** (Image Intelligence platform) and **AgirGeo** (Advanced Solutions for Agriculture and Forestry).