

e-geos

AN ASI / TELESPAZIO COMPANY



LoB Geoinformation in the world



With Multisource Data

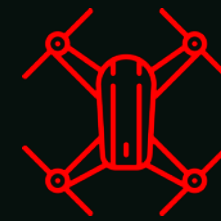
SATELLITE



AERIAL



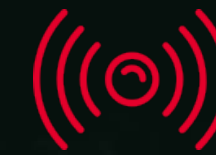
DRONE



POSITIONING



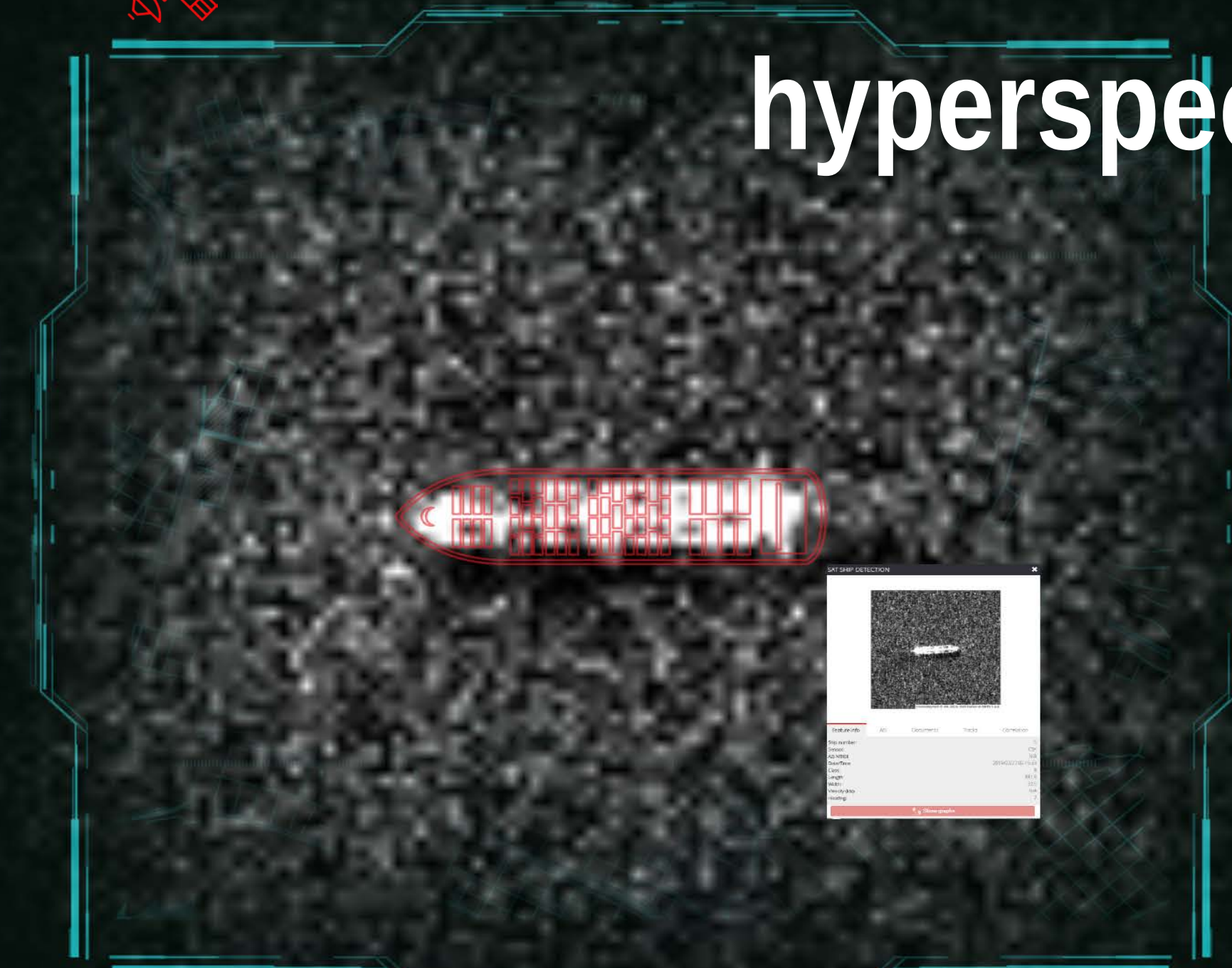
IN SITU SENSORS



optical, radar, hyperspectral



**WE SCAN THE
EARTH**

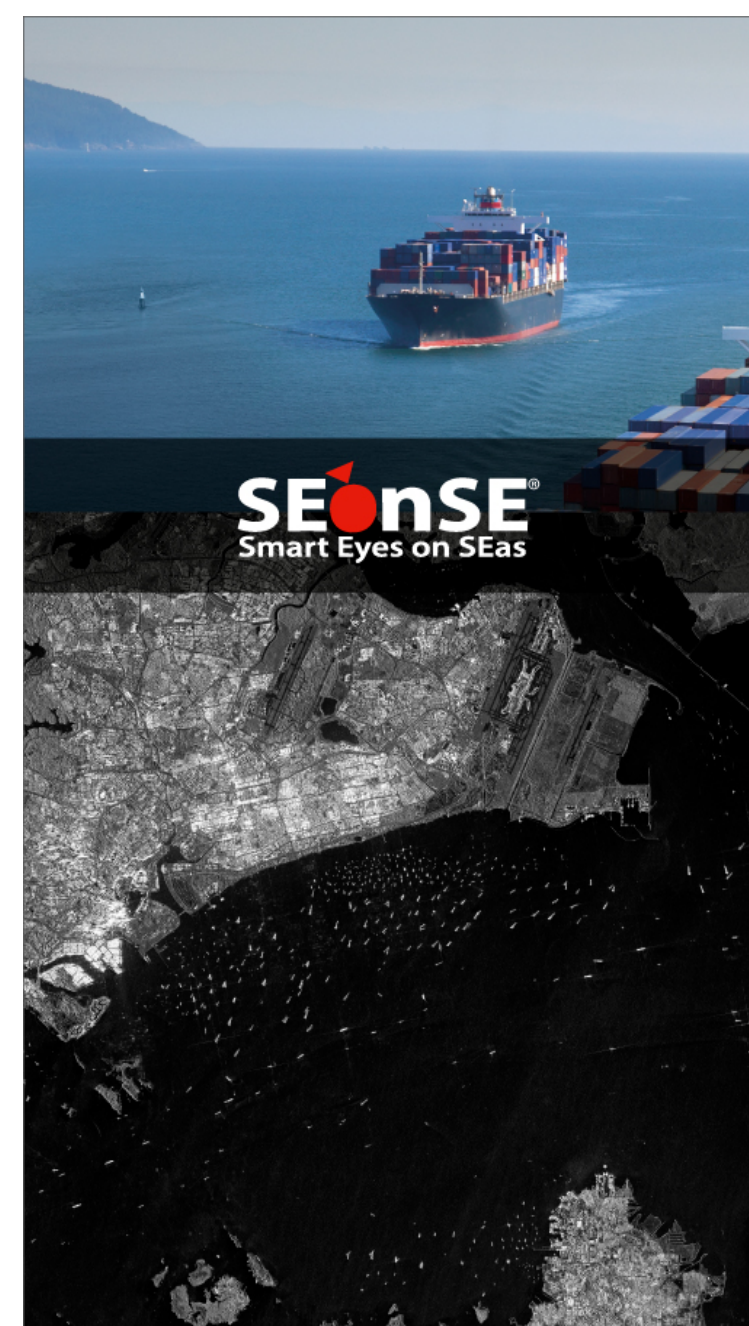


**WE MONITOR THE
CHANGES**

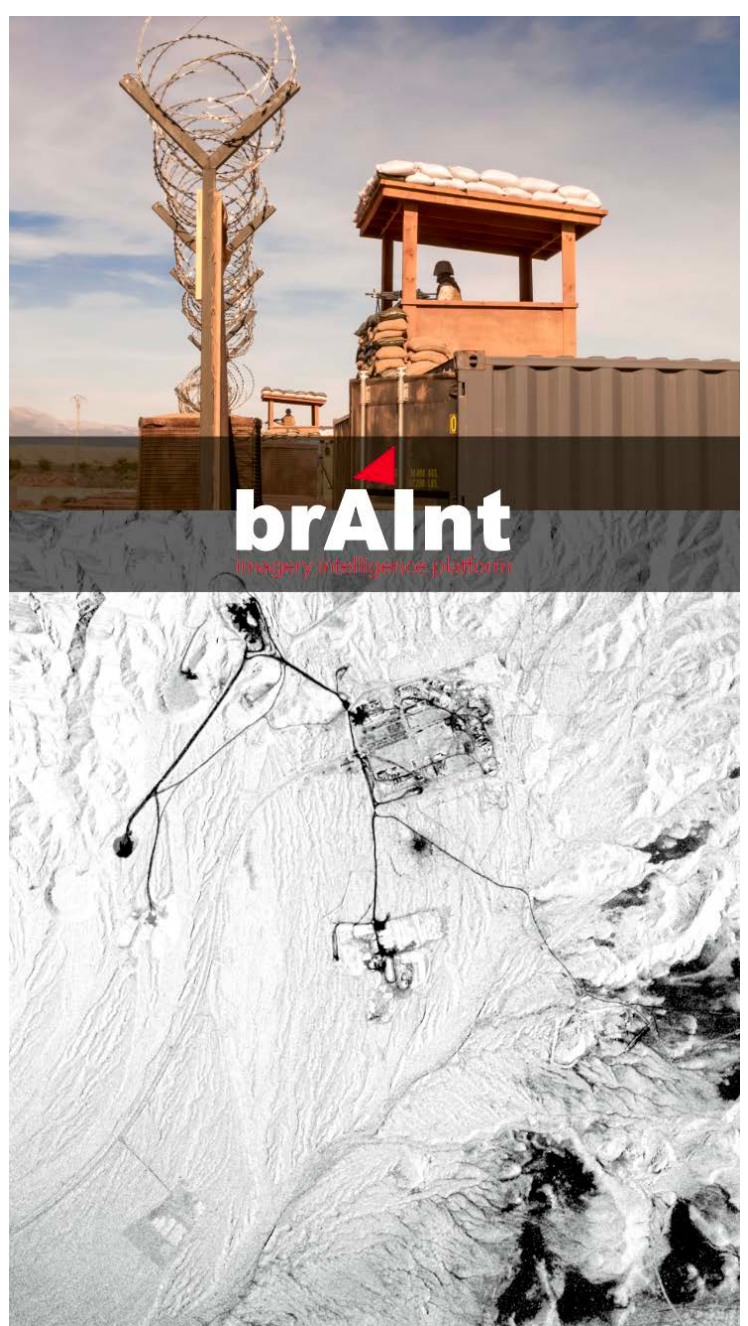
**WE GIVE MAPS &
REPORTS**

We tailor Geoinformation Services & AI Earth Observation solutions for operational needs over land and sea, based on multi sensors & geo-spatial data combined with IoT Big Data. We are COSMO-SkyMed constellation exclusive commercial worldwide distributor

Digital Solutions for Vertical Services



SEonSE
Smart Eyes on SEas



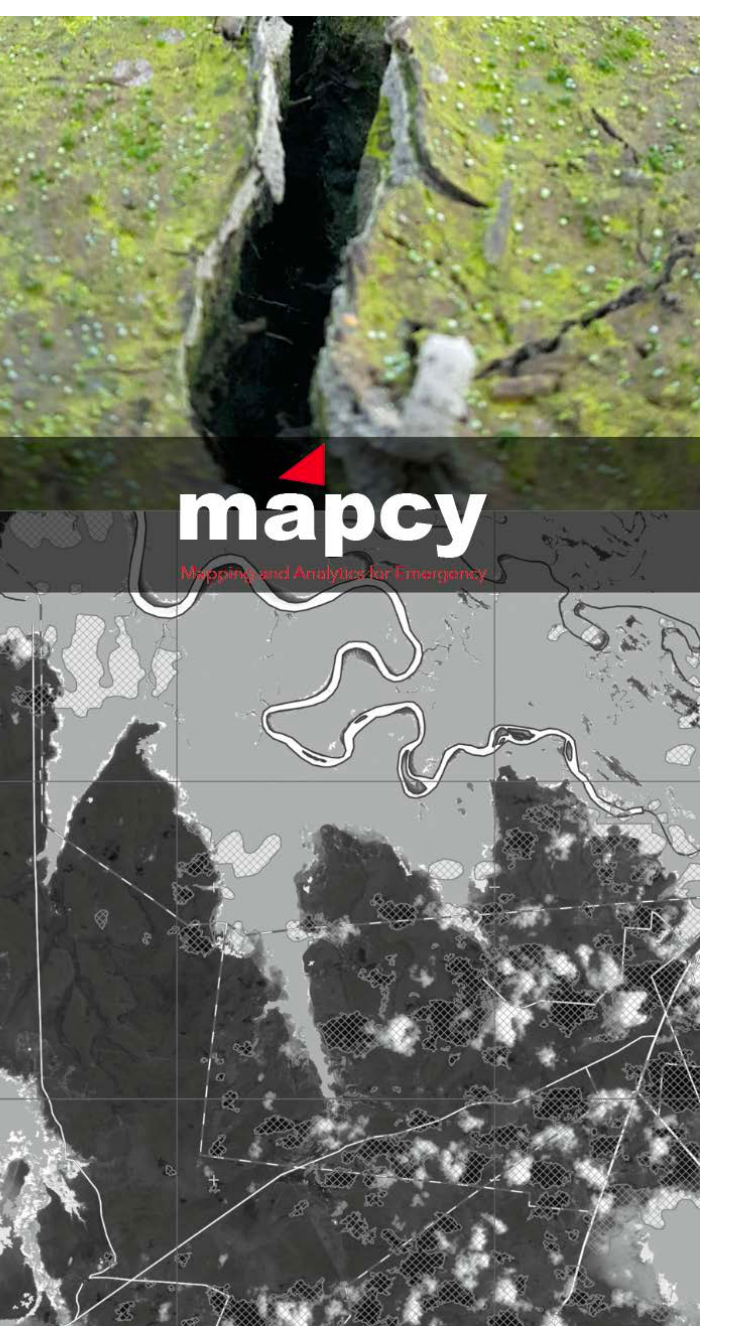
brAInt
Imagery Intelligence platform



AgriGeo
Advanced Solutions for Agriculture and Forestry



AWARE
Agile Monitoring of Assets and Resources



mapcy
Mapping and Analytics for Emergency

MARITIME
SURVEILLANCE

DEFENCE AND
INTELLIGENCE

AGRICULTURE
MANAGEMENT

ASSET
MANAGEMENT

EMERGENCY
MANAGEMENT



The online marketplace to access geo information Analytics & Geoinformation Digital Service, driving the e-GEOS digital transformation process of its portfolio



Big Data Analytics and AI – The AI Factory

SPACE ASSETS

EVOLUTION



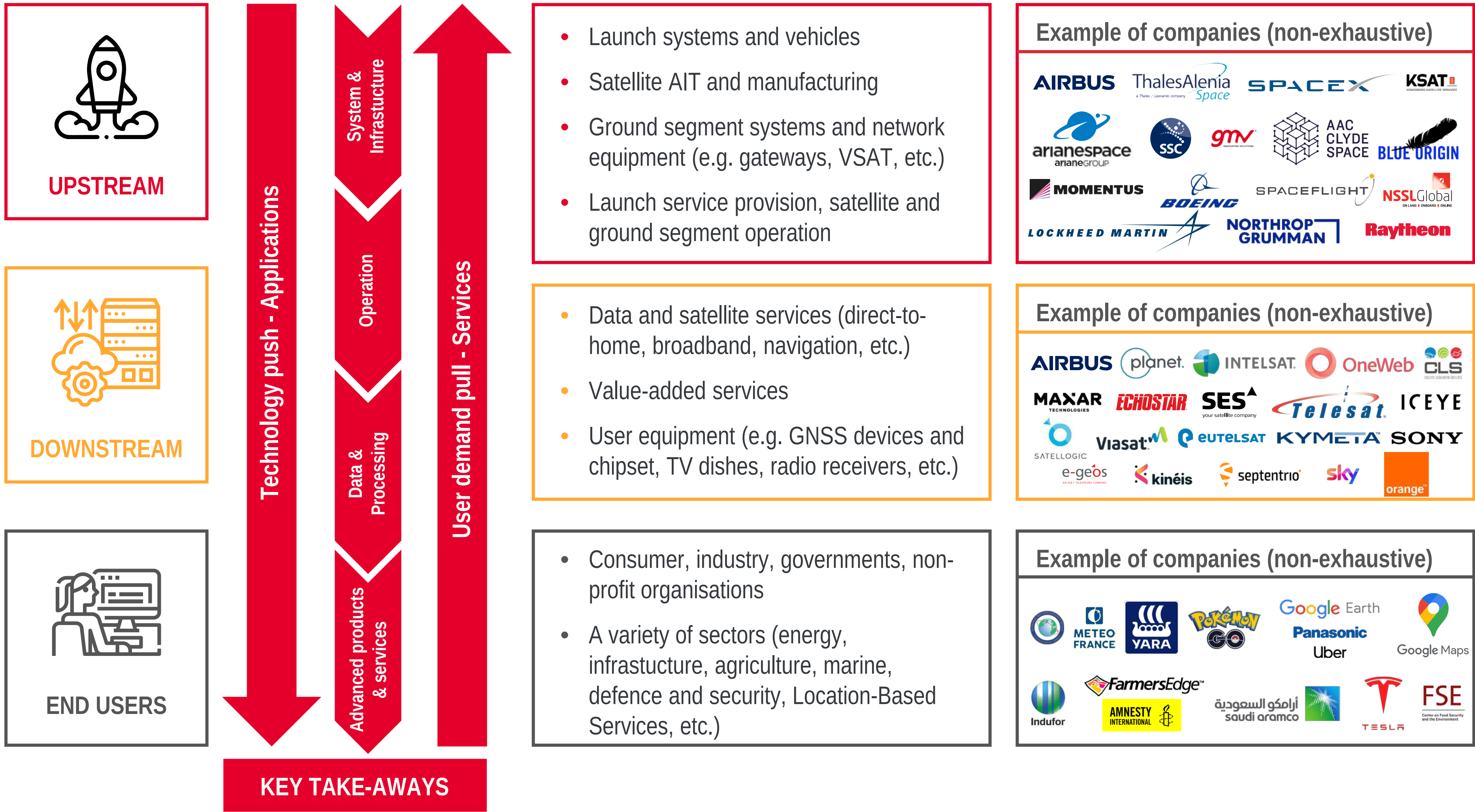
EXPLOITATION OF INFORMATION
FROM ARTIFICIAL INTELLIGENCE TOOLS

Invest in **new algorithms** to extract useful information

- access to the information in the **shortest time**
- exploit advanced **AI deep learning and machine learning algorithms** to extract **reliable analytics at scale**
- move to **digital services**

The Race of
the Future

Space is experiencing significant mindshare growth, as well as increasing implications in multiple downstream industries





SEonSE®
Smart Eyes on SEas

SEonSE (Smart Eyes on the SEas) is the e-GEOS Maritime Solution providing Maritime Services and Multi-sensor Maritime Situational Awareness

MARITIME SURVEILLANCE SERVICES

You need to get a quick and accurate object intelligence at sea?

You need to analyze images in rapid mode for automatic detection of features and anomalies?

NEEDS



For supporting the users to exploit multi-sensor data for:

- Global maritime traffic monitoring
- Illegal activities contrast (illegal fishing, smuggling, illegal immigration, drug trafficking, piracy)
- Border control
- Marine resource management and environmental protection
- Emergency response (e.g. Oil spill, Search and Rescue)
- Critical/Strategic infrastructure monitoring (e.g. offshore platforms, submarine cables, cages)

OFFER



SEonSE as a Service (SEaaS):

- Systematic monitoring of global areas of interest using multiple sensors (e.g. SAR and optical satellite data, AIS, SIGINT) performed by e-GEOS using own assets
- Ship detection reports
- Oil spill detection reports
- Wind and Wave maps
- Anomaly detection reports
- Maritime patterns of life
- Maritime intelligence services (MARINT)
- H24/7 Satellite mission planning and tasking
- H24/7 Satellite data processing and delivery in Near-Real-Time (NRT)

SEonSE on Premises (SEoP)

- SEonSE Software platform
- Installation and customization
- Training and capacity building
- Operational support
- Data provisioning



brAInt
imagery intelligence platform

brAInt, a platform for operational SAT-IMINT workflows execution aimed at reducing the complexity behind SAT-data exploitation supporting Imagery Analysts in the whole IMINT cycle

A PLATFORM FOR IMINT WF EXECUTION

Are you managing intelligence data and you need to address it?

Do you need to locate a threat and get organized in dealing with it?

NEEDS



- **Simplify** Sat-Data exploitation for IMINT activities
- **Reduce** the knowledge gap
- **Flexible tools** to fit with specific internal procedures
- **Manage resources and technologies** to speed up responsiveness

OFFER



- **Integrated solution** for end-to-end IMINT workflow execution
- **On-Premise or As A Service**
- **Modular Training** service
- **Tailoring, operational support and maintenance**



AgriGeo

Advanced Solutions for Agriculture and Forestry

Products and services for agriculture
and forestry

Whats is AGRIGEO?

Do you need accurate, detailed and periodic information to plan and manage the food production?

Platform for the generation of products and provision of services dedicated to agriculture and forestry.

- ✓ Turns data and images into information that can be browsed, combined with other data and analysed
- ✓ Integrate multi-temporal geo-information data with AI methods to provide advanced agriculture solutions
- ✓ Provides solutions tailored on user requirements with different level of detail and at different scale

HOW IT WORKS



COLLECT

Satellite imagery,
UAV and drones,
airplane, open source
ancillary data from different
database



ANALYZE

Manually
automatically
predictively



INFORM

Analys report
alerts mapping



AWARE, a platform for monitoring assets and infrastructures, through the integration of Earth Observation and in situ data:
MOVING FROM DATA TO INFORMATION

LAND AND INFRASTRUCTURES MANAGEMENT

Do you need mapping layers and services for urban planning studies?

Do you need integrated data from multiple sources for inspections of your infrastructure?

NEEDS



Supporting Planning, management & maintenance of infrastructures, responding to the needs of knowledge of

- deformations of the asset and the surrounding
- activities (also illegal) on going in the asset surrounding
- the territory in the surrounding and on specific phenomena

OFFER



A suite of solutions, based on:

- Deformation Analysis (INSAR and GNSS)
- Change Detection and Encroachment Analysis
- Advanced mapping
- 3D modelling
- GIS & Analytics Tools

CULTURAL HERITAGE

- Cultural Heritage sites and buildings have a **unique value for citizens**, a value that goes beyond any possible economic aspect, being **representative of the history and culture of a Nation**.
- At the same time they are often very fragile and difficult to be treated with standard methodologies which implies a certain level of invasiveness.
- **Remote sensing is a not invasive by definition technology that may support the analysis of the status of the CH**, limiting the use of on site instrument only where and when really needed.

HYDROGEOLOGICAL INSTABILITY WORK PACKAGE

THE SUPPORTING TOOLS IN AW PORTAL

CONTENTS

- PS interferometric high density analysis over the Pompeii
- 3D models derived by VHR airborne data
- Integration with in situ sensors
- Validation through on field campaign

3D WebGIS for supporting the context analysis and the exploitation of results

- 3D Models generated by the use of VHR aerial imagery and automatic generation procedures
- Interferometric analysis over the entire site and surrounding
- Environmental parameters integration (temperature, weather, air pollutant, ...)

Risk & Disaster Management

You need to manage an emergency, coordinate post-disaster relief and recovery actions and you need data to analyze?

Do you want to continue to analyze the post disaster to measure its evolution?

NEEDS



For supporting **Disaster management operators** through **reports and maps based on multi-temporal data series integrated with Georeferred information** derived by crowdsourcing data for a rapid situational awareness.

OFFER



On demand Geo-Information mapping and monitoring services based on cartographic standard, with provision of maps and analytics Geo-Information based Business Intelligence Services for :

- Disaster management
- Early Warning Ground deformation
- Rapid mapping Provided on a 24/7 basis

e-GEOS is the EUROPEAN PROVIDER for DISASTER MANAGEMENT MAPS



ALL
MULTIMISSION
SENSORS



24/7
OPERATIONAL



40+
EXPERIENCED
OPERATORS

Emergency Management Service - EMS



5000+
MAPS PRODUCED IN 8
YEARS



40+
COUNTRIES



550+
ACTIVATIONS OF THE e-GEOS
EMERGENCY MANAGEMENT SERVICE



2000+
MAPS PRODUCED IN 8
YEARS



70+
COUNTRIES



750+
SEA ACTIVATIONS



“We go further today, for the Earth of tomorrow”

Thank you for the attention!



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