SEonSE
Smart Eyes on SEas

SEonSE is the most cutting-edge platform enabling and improving Customer's maritime monitoring capabilities. SEonSE provides **Maritime Situational Awareness** and **24/7 operational maritime services** in **Near Real-Time** for security, intelligence, law enforcement, border control, critical infrastructure monitoring, marine resource management, environmental protection, emergency response and analytics applications.

SEonSE leverages **multi-sensor and multi-platform data fusion and processing, with COSMO-SkyMed and COSMO-SkyMed Second Generation** as well as open & free-of-charge satellite data, legacy/cooperative systems (e.g. AIS, VMS, LRIT), vessel databases and met-ocean data. SEonSE provides actionable information powered by satellite vessel and oil spill detection reports, wind and wave fields extracted from SAR images, track analysis, anomaly detection and extraction of maritime patterns-of-life.

TO WHOM

- INTELLIGENCE & MINISTRIES OF DEFENCE
- NAVIES, COAST GUARD, CUSTOMS & INSTITUTIONAL AGENCIES
- MINISTRIES OF ENVIRONMENT & FISHERIES MONITORING AUTHORITIES
- OIL&GAS, UTILITIES, MARITIME INFRASTRUCTURE
- SHIPPING & INSURANCE COMPANIES
- DATA ANALYTICS COMPANIES & COMMODITY TRADERS

CAPABILITIES

- GLOBAL 24/7 & NRT MONITORING
- AUTOMATIC ANOMALY DETECTION & ALERT NOTIFICATIONS
- BIG DATA ANALYTICS & ARTIFICIAL INTELLIGENCE
- MULTI-SENSOR & MULTI-PLATFORM DATA FUSION
- RISK ASSESSMENT & MARITIME INTELLIGENCE ANALYSIS
- TAILOR-MADE SOLUTION

e-geos
AN ASI / TELESPAZIO COMPANY

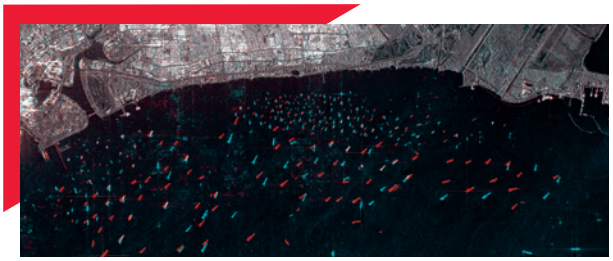
sales.info@e-geos.it
e-geos.it
@e_geos

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 its own assets.

NEAR REAL TIME (NRT) MONITORING

Through its Matera Space Centre and its global network of ground stations, e-GEOS delivers NRT **services within 15÷30 minutes of data availability**, providing monitoring services across areas of interest (such as Marine Protected Areas, chokepoints, maritime borders) based on satellite vessel detection reports integrated with satellite oil spill detection, AIS, VMS (Vessel Monitoring System), LRIT and other data. NRT services enable **quick response** in case of anomaly detection and the tracking of events by tasking the available assets.

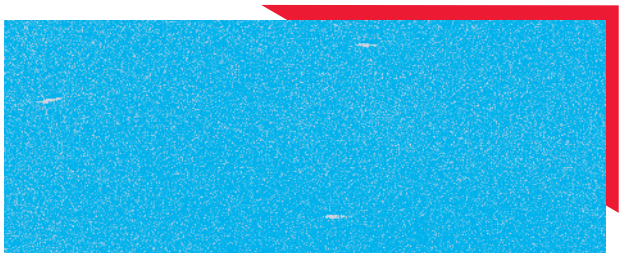


MARITIME INTELLIGENCE (MARINT) AND STRATEGIC SURVEILLANCE

SEonSE provides **actionable information** on the maritime domain, derived from multi-source and multi-temporal maritime data analysis, coastal area monitoring, critical infrastructure monitoring, anomalous behaviour analysis and maritime patterns-of-life.

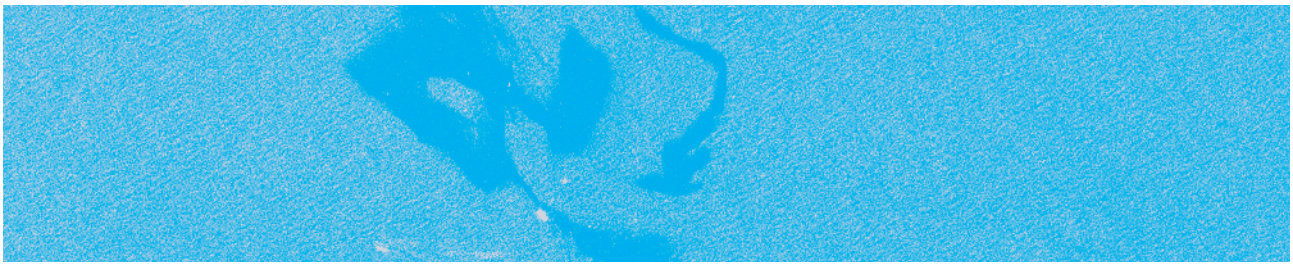
SHIP DETECTION AND TRACKING

For each detected vessel, SEonSE provides the geographical location, detection date and time, estimated size, speed & direction, identification code (e.g. AIS MMSI), historical track analysis and aggregated risk assessment.



OIL SPILL DETECTION AND ENVIRONMENT MONITORING

SEonSE is able to provide **routine and on-demand sea monitoring services for detecting oil spills**, supporting routine control of sensitive areas, emergency response activities and, if needed, supporting the identification of the potential polluter



SEonSE PLATFORM

SEonSE can be deployed on the **Customer's premises**, providing requested customisations, training and knowledge transfer, integrating proprietary/restricted datasets and enabling/improving maritime capabilities.

COSMO-SkyMed Image @ ASI Processed and distributed by e-GEOS