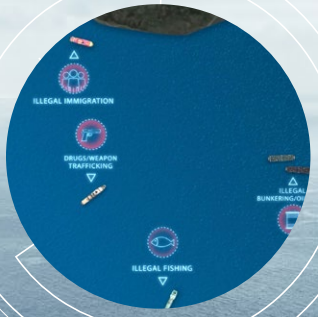
TSG SeaWeaver

Naval and Coastal Command and Control System for Maritime Domain Awareness



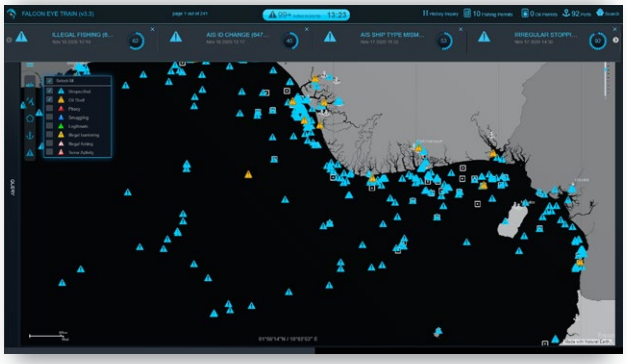




Intercept maritime threats before it's too late

SeaWeaver by TSG is a Maritime Domain Awareness (MDA) system. An advanced information framework, integrating various data sources within a geographical region and providing monitoring, alerting and analysis capabilities, enhanced with machine learning. The system supports the prevention of illegal maritime activities, such as illegal and unauthorized fishing, oil theft, piracy, illegal immigration, drug smuggling, and monitors sea pollution and natural disasters.

SeaWeaver is a highly modular and robust systems, enabling future integration of any additional information layers, sensors, or components. An intuitive graphical web-based user interface allows remote access and system expansion for additional users and covered locations. It can be deployed in the cloud or at customer premises.



SeaWeaver detect ongoing suspicious activities, integrating different commercial information sources such as Vessels Database, SAT-AIS, and SAT-Imagery data service.

SeaWeaver delivers real-time alerts & decision support information on suspicious maritime incidents:

- **Illegal fishing**
- **Oil theft**
- **Smuggling**
- **Robbery**
- **Ship overtaking**

Dynamic Data

- Coastal AIS*
- SAT AIS
- External Sources
- Sat Images
- Radars

SeaWeaver System



Static Data

- Vessel DB
- Historical AIS
- External DB



Now you can see the "big picture" of your maritime region and control any suspicious activity.

Automatic situation recognition is now possible with unique machine learning algorithms and predictive analytics.

- Learning routines of all vessels
- Learning patterns of criminal targets
- On-line inspection of all targets according to incrimination level and alerting accordingly
- Analysis of historical data
- Adaptive learning algorithms

SeaWeaver data integration deliver accurate results faster

- Integration with existing coastal/naval surveillance systems
- Bi-directional transfer of dynamic ship information detected by coastal/naval surveillance systems
- Full integration with Automatic Identification System (AIS)- local, satellite and global
- Integration with vessel database
- Integration with visual and SAR information

SeaWeaver reports provide all the insight you need

On top of on-line alerts the **SeaWeaver system** provides statistical and analytical reports which summarize recorded maritime activities and delivers valuable insight about the nature of all reported incidents (legal and illegal). These reports help plan for future resource allocation.

*AIS= Automatic Identification System

TSG
EXPANDING YOUR ADVANTAGE

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