2C advanced, fully automated, real-time Maritime Situation Assessment System

2C Key Capabilities
Provides real-time Alerts and Decision support information on suspicious maritime activities
- Illegal fishing
- Oil theft
- Smuggling
- Robbery
- Ship overtaking
- Hostile activity

2C Solution Concept
Automatic situation recognition based on machine learning algorithms and predictive analytics
- Learning routines of all vessels
- Learning patterns of criminal targets
- On-line Inspection, of all targets, for irregularity and matching to identified suspicious patterns
- Prioritizing suspicious targets according to incrimination level and alerting accordingly
- History data is kept and used for analysis
Adaptive learning algorithms (self-updated, on-going).
Generates improved and smarter alerts, in a way not possible in a conventional C2 system.
Enables users recognizing the "big picture" of maritime activity.
2C Data Sources Integration

- Integration with existing Coastal/Naval Surveillance System.
- Bi-directional transfer of information. Coastal/Naval Surveillance System provides dynamic ships information that are detected within coverage area. 2C transfers data on suspicious areas and targets.
- Full Integration with Automatic Identification System (AIS) - local, satellite and global
- Integration with Vessel Database
- Integration with visual and SAR information

2C Reports

The system’s statistical and analytical reports provide the user, on top of on-line alerts, with both summarized information in his domain of responsibility and valuable perceptions about the nature of activities (legal and illegal), for better resource allocation.