



Common Operating Picture for Maritime Domain Awareness

Ultra Electronics SML Technologies is a leading provider of integrated situational awareness systems which are the building blocks of a total Domain Awareness solution. These modules can be used individually to deliver solutions for coastal, port and critical infrastructure surveillance or combined to provide a Common Operating Picture for Maritime Domain Awareness.

Our technological leadership in sensor data fusion, combined with our long experience in coastal and offshore surveillance, make us your ideal partner for securing borders and coastlines.

Applications

- Maritime counter terrorism
- Counter organized crime:
 - Smuggling: drugs, people, weapons, contraband
 - Piracy
- Search and Rescue
- Critical infrastructure protection:
 - Offshore and Onshore
- Fisheries protection
- Vessel Traffic Management
- Pollution control
- Maritime Sovereignty
- Defense
- All of the above in one COP



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SML Technologies' experience in MDA Coastal Surveillance is centered on the following areas of expertise:

- Advanced radar processing technology
 - medium-range, high resolution
- Radar – HF over-the-horizon, LPI, FM-CW, Doppler
- Supply and integration of AIS, LRIT, DF, ELINT and other track sources
- Real-time data fusion and track correlation
- Supply and integration of electro-optical sensors and camera PTZ control
- Supply and integration of SONAR sensors
- Networks and communications backbone
- Data input from OTH Gold
- Blue Force tracking transponders with built-in data link (SID)
- Geo-referenced database system
- C2 situational awareness application software (C2DB)
- Interface to national and international services (i.e. SafeSeaNet)
- Mission planning tools
- Replay of recorded data for post-mission analysis



Our network-centric, modular design allows for small systems to be expanded or multiple systems to be combined into one Common Operating Picture (COP). This scalable architecture, using COTS modules, means a cost effective solution to today's threats!



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