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IMARCS

Integrated Maritime Coordination and Surveillance System

IMARCS is a command and control system which integrates AIS, GPS and radar into a single picture of the operational environment. This situational awareness picture can be shared end to end, from RHIB, to patrol vessel, to Headquarters in a single real time network.
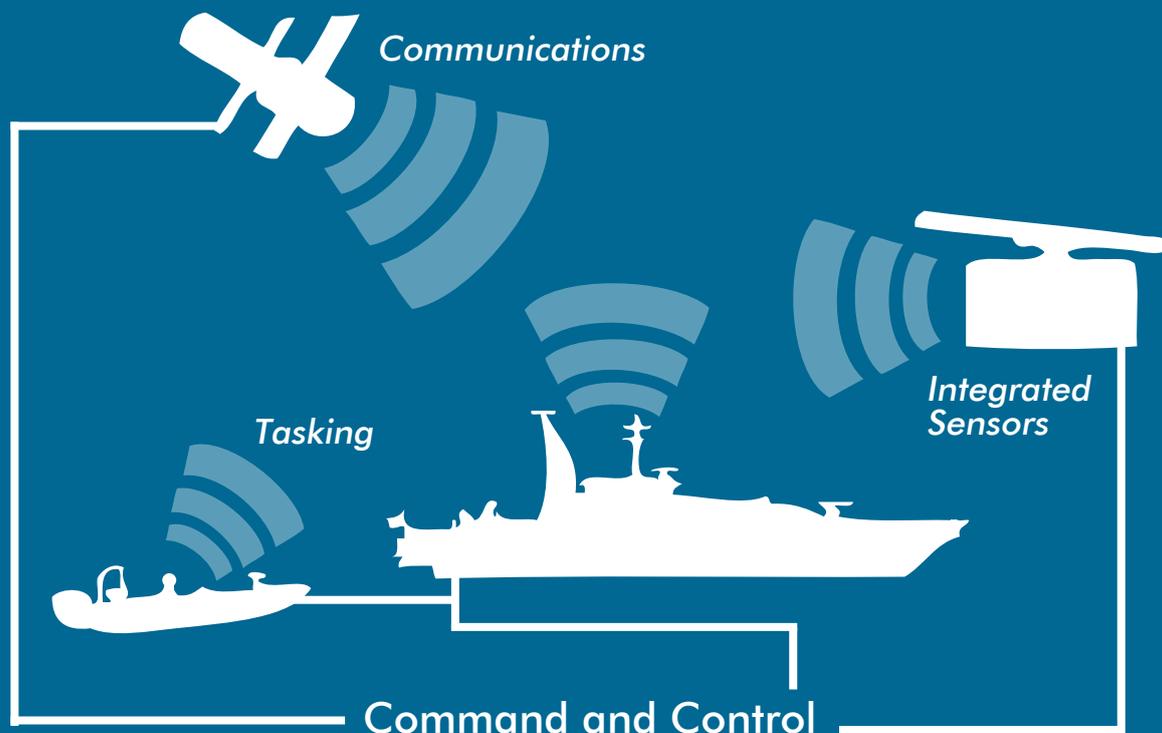
IMARCS offers naval, coast guard, enforcement and search and rescue organisations:

- Real-time situational awareness

- Integration and coordination of sea, air and coastal assets

- Management of maritime jurisdictions

- Search and Rescue (SAR) coordination

- Safe and effective boarding operations

IMARCS provides integration to organisations at all levels:

- **National/Regional Coordination Centre**
  - o Integrating sensors from coastal radars, offshore patrol vessels, maritime patrol aircraft, helicopters and inshore patrol vessels into a single network

- **Patrol Fleets**
  - o Integrating sensors from multiple patrol vessels and RHIBs into a single network

- **Unit**
  - o Integrating sensors from a single patrol boat, its RHIBs and a boarding party into a single network

Communications

Integrated Sensors

Tasking

Command and Control

Features:

- Reliable local and over-the-horizon (OTH) communications through satellite, 3G, VOIP, WiFi, digital HF/VHF/UHF and land telephone data networks

- Easily upgradable and expandable to meet future needs through use of COTS hardware and common data standards

IMARCS

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SHIPS

Austal is a global defence prime contractor that designs, constructs and maintains high performance vessels for the defence and commercial markets. Austal has shipbuilding facilities in the United States, Australia and the Philippines.

SYSTEMS

Austal's Systems group provides advanced integration; proprietary onboard systems; design and manufacture of command and control systems; and systems sales and support for defence and commercial customers. Located in Australia, the Systems group supports customers globally through Austal's regional centres in Australia, Asia, Middle East, Caribbean, Europe and the United States.

SUPPORT

Austal has a robust support offering through its regional centres in Australia, Asia, Middle East, Caribbean, Europe and the United States. Service products are tailored to address customer requirements in vessel and fleet maintenance, refit and repair, ship management, training and consultancy.

SHIPS • SYSTEMS • SUPPORT

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