

THE ANATOMY OF A MODERN MARITIME ISR ECOSYSTEM

How integrated platforms, sensors, and communications deliver real-time maritime intelligence.

SURFACE LAYER
SURFACE ISR PLATFORMS

Surface vessels and USVs use radar, EO/IR sensors, and sonobuoys to detect, track, and report on surface and subsurface threats.



SURFACE LAYER
SONOBUOYS (ACTIVE/PASSIVE)



SPACE LAYER
SATELLITES (EO/IR, SAR, COMMUNICATIONS)

Military and commercial satellites support wide-area surveillance and secure communications between dispersed naval assets and command centres.



SURFACE LAYER
COAST GUARD VESSEL



SURFACE LAYER
COMMERCIAL VESSEL

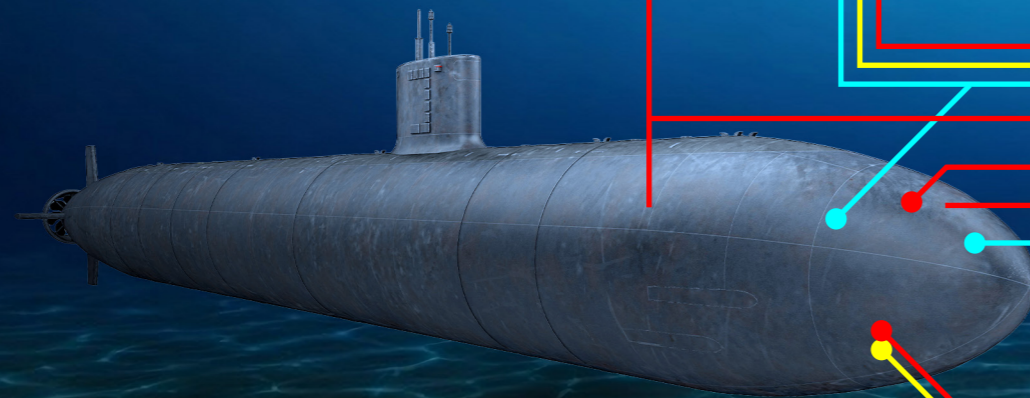


SURFACE LAYER
USVS FOR RECONNAISSANCE & ASW

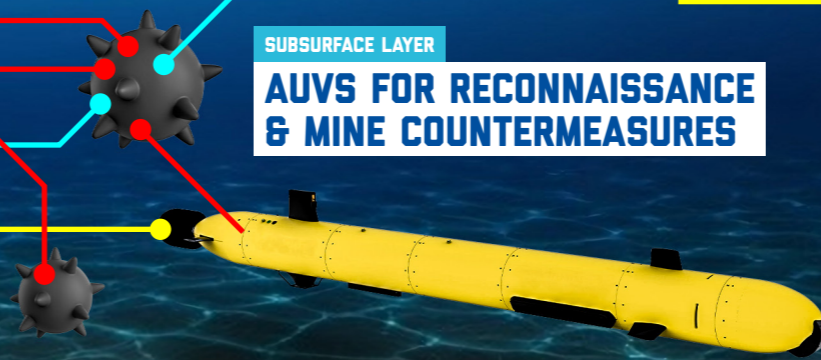


SUBSURFACE LAYER
SUBMARINE ISR PLATFORMS

Submarines and AUVs conduct covert surveillance, environmental monitoring, and mine detection missions, relaying critical information to surface assets.



SUBSURFACE LAYER
AUVs FOR RECONNAISSANCE & MINE COUNTERMEASURES



CENTRAL HUB
COMMAND & CONTROL (C2) HUB
The operational core where intelligence from all domains is fused and turned into real-time decisions for maritime operations.

Yellow Communication / Data Link
Blue Sensor Detection / Surveillance
Red Response / Action

UK MOD © Crown copyright 2022.

all images included in the info graphic are a representation of a component of maritime operations.

WHY ISR INTEGRATION MATTERS

A connected maritime ISR ecosystem enables faster decision-making, enhanced threat awareness, and mission advantage. Real-time collaboration between platforms, sensors, and command structures is essential for dominance in today's contested waters.

Join us at Maritime ISR 2026 to explore how integrated technologies - from unmanned platforms to advanced sensor networks - are transforming maritime operations.



In association with



13 - 14 October 2026
Design Hotel, Tróia, Portugal

Network with experts. Discover innovations.
Shape the future of maritime security.

WEBSITE

SPEAKERS