# THE ANATOMY OF A MODERN MARITIME ISR ECOSYSTEM

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

Defence iQ

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

## 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)

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

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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.

MARITIME ISR

In association with REPMUS 2026

**13 - 14 October 2026**
**Design Hotel, Tróia, Portugal**

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

WEBSITE

SPEAKERS