



LEONARDO ELECTRONICS

# ATHENA MK2<sup>®</sup>

Combat Management System



# ATHENA MK2<sup>®</sup> (Architecture & Technologies Handling Electronic Naval Applications) is Leonardo's advanced Combat Management System (CMS) solution for vessels ranging from patrol ships to aircraft carriers, as well as for refurbishment and refitting programmes.

ATHENA MK2<sup>®</sup> CMS integrates all the functions required for:

- Surveillance
- Sensors and tactical picture management
- Navigation support
- Threat evaluation
- Weapon assignment
- Weapon-system management
- Mission planning
- Multi-Tactical Data-Link
- On-Board Training.

Greater integration among Navies in international scenarios has introduced new requirements and constraints related to threats, flexibility and interoperability. In the field of Naval Combat Systems, this has driven the development of integrated solutions that can reduce operational personnel while preserving operational efficiency.





The system places strong emphasis on 'plug and play' design and adopts an open architecture concept that enables configuration changes without affecting the overall architecture. ATHENA MK2® hardware comprises a C/S Data Transfer Network, Tactical Computer Units, a Multi-Data Link Processor (M-DLP), Multi-Function Consoles (MFC), a Video Distribution Unit (VDU), and a Data Recording and Management Unit (DRMU).

ATHENA MK2® is the culmination of over four decades of experience in developing Combat Management Systems for major national and international naval programmes. Early CMS product lines included NUMC (Italian Fast Patrol Boats), Italian Navy Refitting

(Maestrale Frigates, Ammiragli Destroyers) and Horizon (AAW Destroyers for Italy and France).

Recent deliveries encompass all the Italian Navy vessels, in particular the Aircraft Carrier Cavour and Multi-Mission Frigates (FREMM frigates), as well as UAE Navy vessels including Baynunah-class corvettes, the Abu Dhabi-class corvettes, Falaj Stealth Vessels, and Ghannatha Fast Patrol Boats.

This expertise extends to the development of IPN series and CMS delivery for surface combatant ships, including patrol boats, minehunters, corvettes, frigates, logistics ships, destroyers, and aircraft carriers.

## KEY BENEFITS

- **Advanced operational capabilities**, through the compilation and distribution of the tactical picture, coordination of ship missions and management of Combat System resources
- **High level** of automatic integration of sensor data and automatic coordination of weapon systems
- **System performances and reliability** to guarantee continuity of operational functions with no loss of data
- **Flexibility and modularity** with growth potential, upgrade capabilities and the implementation of national options, as well as maximum commonality between different configurations.



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