

NAVAL SYSTEMS

MONITORING AND PROTECTION
IN MULTI-DOMAIN ENVIRONMENTS





MARITIME SURVEILLANCE

ATECH specializes in the design, development, integration, and deployment of advanced maritime surveillance solutions for coastal and maritime border protection. Our systems combine active and passive surveillance technologies, bringing together radars, AIS receivers, electro-optical cameras, acoustic sensors, satellite imagery, and other situational awareness assets into a unified operational environment.

We deliver complete surveillance ecosystems, including command centers, communication infrastructure, and secure data management platforms capable of maintaining extensive vessel movement histories. By leveraging advanced analytics and artificial intelligence, our solutions enable anomaly detection, pattern recognition, predictive assessment, and enhanced situational awareness. ATECH also provides training, operational support, and lifecycle maintenance services, ensuring sustained mission readiness and operational effectiveness.



COMMAND AND CONTROL SYSTEMS (C2)

ATECH develops and integrates Command and Control (C2) solutions that provide a comprehensive Common Operational Picture (COP) for tactical and operational environments. Our systems fuse data from multiple sources, including maritime, airborne, and land-based sensors, creating a single, accurate, and actionable operational view.

Through advanced information fusion, contact identification and classification, threat evaluation, and decision-support capabilities, our C2 platforms empower operators to make rapid and informed decisions. The architecture can be deployed onboard naval assets, at fixed command centers, or across distributed multi-platform networks, ensuring flexibility and interoperability across complex mission scenarios.



ONBOARD SYSTEMS

ATECH delivers end-to-end development of Combat Management Systems (CMS) for naval vessels, and submarines. Our expertise encompasses system architecture, software engineering, sensor and weapon integration, system commissioning, and operational testing.

Designed to support assets from diverse origins and technological standards, our CMS solutions ensure seamless interoperability between multiple sensors, effectors, and communication systems. In addition, we develop complementary land-based capabilities, including tactical simulators, training environments, and mission rehearsal systems, enhancing operational preparedness and crew proficiency.



TACTICAL DATA LINKS

ATECH designs, develops, and integrates secure tactical data link solutions that enable real-time information exchange among naval, air, and joint-force assets. Our systems enhance operational coordination, interoperability, and situational awareness by ensuring reliable and resilient communication across complex operational environments.



COUNTER-DRONE AND UNMANNED SYSTEM CONTROL SOLUTIONS

ATECH provides advanced Counter-Unmanned Systems (C-UAS) capabilities for the detection, tracking, identification, and neutralization of aerial, surface, and underwater unmanned threats.

Our solutions integrate passive and active detection technologies, including radio frequency sensors, radar systems, electro-optical devices, and acoustic sensors, coupled with advanced RF and GNSS denial capabilities. In parallel, ATECH develops and integrates control systems for organic unmanned platforms, including aerial, surface, and underwater drones, enabling their seamless operation through native Command and Control architectures. This approach delivers a comprehensive and integrated capability for both force protection and unmanned asset management within modern multi-domain operations.

