

MARITIME AUTONOMY



USV CAPABILITIES

Milanion USV conversions maximise the use of existing fleets without the extra costs of purchasing dedicated boats and compatible parts. Milanion's advanced autonomous technology allows for unmanned capabilities without sacrificing the manned usage of the vessel.

- Support naval force capability, survivability and lethality
- Enable autonomous or crew-optional operation
- Enhance situational awareness
- Allow for real-time, informed and actionable decision-making
- Increase safety and effectiveness
- Expand reach and access



MODULAR

Highly scalable autonomous system providing complete versatility



OPERATIONAL CONTROL

Operational control over the autonomous mission is guided by human operators



RESILIENT

Robust and secure system tested to operate in the most demanding environments



AGNOSTIC

Platform agnostic system providing secure interoperability with 3rd party systems

AI TECHNOLOGY

Powered by advanced AI-based technologies, Milanion has a focus on the rapid conversion and deployment of autonomous and optional manned-unmanned surface vessels (USV's).

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USV CONVERSION BENEFITS

Milanion's autonomous system allows for the transformation of customers existing manned vessels to autonomous and optional manned, with the following benefits:

- The system is platform agnostic and almost any manned vessel can be converted to autonomous unmanned, and easily configured to mission requirement.
- Interoperability between a broad range of systems and payloads to meet operational requirements.
- Conversions are affordable and can be rapidly delivered for deployment, greatly outpacing the commissioning of new vessels while offering substantial cost savings.
- Designed to fulfil current and future operational requirements with options to scale capabilities and upgrade equipment by leveraging the modular functionality of the system.
- Equipped to support multi-domain operations for a more mobile, distributable, and collaborative "battle fleet".
- Enhanced operational effectiveness of using unmanned systems leads to increased capabilities and more efficient use of human and capital resources.
- Unmanned Systems keep personnel out of harms way by performing a variety of dull, dirty, and dangerous activities; providing access to hard-to-reach and hostile environments.

USV MISSION PROFILES

- Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR)
- Monitor and respond to port security threats
- Border protection, critical infrastructure security and protection
- Coastal route inspection and clearance
- Mine counter-measures (MCM) and anti-submarine warfare (ASW)
- Fire, search and rescue
- Fleet protection, force projection, counter narcotics, and piracy
- Defensive and offensive lethal force capabilities
- Enhanced, actionable situational awareness

MOBILE GROUND CONTROL STATION



SCAN ME

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