Greenroom Robotics is a veteran-operated software company delivering surface maritime autonomy and AI perception for defence and commercial operations globally.

Our software strengthens the surface layer of undersea operations, enabling the surface vessels that deploy, recover, and support underwater assets to operate persistently in contested waters with leaner crews.





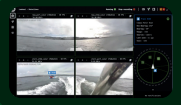
Capabilities

Greenroom Robotics platform-agnostic solutions work together to enable seamless human-machine teams at sea. Software is open, interoperable, and UMAA-compliant. Designed for rapid integration with existing fleets and new build vessels.

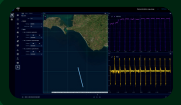
CAPABILITIES INCLUDE:



GAMA - Advanced Maritime Autonomy
Autonomous navigation, collision avoidance and remote operation for uncrewed and optionally crewed surface maritime operations.



Lookout+ - AI Optical Radar
Persistent AI-powered situational awareness to detect, classify and geo-locate objects at sea, even in EMCON or contested conditions.



MarOps - Maritime Operations + Analysis
Streamline subsea and surface operations by turning paper checklists and scattered data into one organised digital system.



MIS-SIM - Mission Simulation + Digital Twin
Digital twin and simulation for comprehensive testing and evaluation, training, rehearsal, and monitoring of complex maritime activities.

Discriminators

- **Sovereign software:** 100% Australian-owned and developed. No ITAR restrictions.
- **Veteran operated:** Deep operational understanding of defence maritime environments and challenges.
- **Mission-proven solutions:** Trialled by the Royal Australian Navy under operational conditions. Deployed across defence and commercial operations.
- **Fault-tolerant autonomy:** Designed for operational resilience in complex maritime environments.
- **Regulatory alignment:** Solutions developed in accordance with international maritime regulators.
- **Interoperable:** Platform and sensor agnostic software products.

Specialist services

Operations
Maritime autonomous systems experts trialling and operating for defence and commercial clients.

Regulatory
Contributing to design rules for defence operations and class societies governing maritime autonomous system design.

Engineering
Integration and software development work for government or product deployments.

TRUSTED BY

Australian Government
Department of Defence
Defence Science and Technology Group

AUSTAL

EGS AUSTRALIA

THE WHISKEY PROJECT GROUP

SUBSEA CRAFT

HamiltonJet

QUALITY, SECURITY AND EXPORT

ISO 9001
ISO 27001 in progress
AUSGEL - Australian General Export Licence for all products

AUKUS Authorised User (ITAR Exemption)
Defence Industry Security Program (DISP) membership
(NISP equivalent in AUS)

WORK WITH GREENROOM ROBOTICS

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