GAMA

(Greenroom Advanced Maritime Autonomy)

GREENROOM ROBOTICS

Automate the dull, the dirty, the dangerous—transform any vessel into a fully autonomous, intelligent navigator.

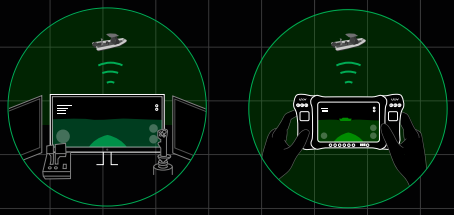
GAMA is a hardware-agnostic autonomy solution designed to transform vessels of any shape and size into remotely operated or autonomous surface vessels. GAMA equips vessels with COLREGS-aware autonomy, path planning, and advanced navigational capabilities, providing end users with a tangible asymmetric advantage.

With Naval compatibility through DDS and support for optionally crewed operations, GAMA-equipped vessels are designed to meet the highest safety and class certification standards.

GAMA's Chart View Displayed on a Handheld Tablet

GAMA-equipped 57m Naval Patrol Boat Driving Autonomously

Diverse Control Modes



FLEXIBLE CREWING OPTIONS
Turn a regular vessel into a remote controlled, optionally crewed, or fully autonomous boat.

ACCESS ANYWHERE
Maintain the ability to oversee and direct vessel operations from anywhere, anytime.

PROBABILISTIC AUTONOMY
Sophisticated statistical collision avoidance system capable of prioritising and managing multiple navigational hazards simultaneously.

DYNAMIC COMMUNICATIONS
Compatible with Satellite/Starlink, 4G, 5G, long range WiFi and encrypted RF communication systems.

MULTI-SENSOR SUPPORT
Collision avoidance powered by advanced data fusion of Optical, IR, RADAR, LIDAR, Sonar, AIS and more.

SCALABLE INTEGRATION
Designed with fleet scalability in mind, future implementations of GAMA on identical platforms benefit from quicker, simpler and cheaper integration.

Increased Personnel Wellbeing

Deploy uncrewed assets in high-risk environments to protect human wellbeing. Additionally, reduce physical and cognitive strain on operators by automating routine and mundane tasks.

Do More With Less

Maximize asset utilisation and achieve force multiplication without additional crew. Increase your boat's flexibility to handle more tasks without the risk of over-investing in a purpose-built, under-utilised USV.

Achieve Maritime Superiority

Part of a modular framework to ensure maritime superiority by integrating the latest developments in Robotics, Autonomous Systems and Artificial Intelligence (RASAI).