

FAIRBANKS MORSE DEFENSE
TECHNOLOGY

AUTONOMOUS ROBOT SOLUTIONS

FAIRBANKS MORSE
DEFENSE

The Fairbanks Morse Defense commitment to technology innovation within maritime defense is demonstrated through our newest uncrewed self-propelled robot.

Through a co-development agreement with Boston Engineering, our robot technology can be controlled from anywhere in the world and allows work to be conducted in environments that are either uncrewed or unsafe for humans. Each robot is customizable to fit your application.



CORE DESIGN APPLICATIONS

- Autonomous Maintenance
- Remote Guided Maintenance
- First Response / Inspections / Battle Damage Assessment

MODULAR DESIGN

- Sensor Packs for Multiple Applications
- Multiple Methods for Movement and Tool Function
- Simplified Controls

OTHER APPLICATIONS

- Remote connectivity and collaboration capabilities
- Dynamic mapping of working spaces
- Ability to control using haptics, mixed reality, and machine learning

BE BOSTON
ENGINEERING™

MODULAR INTERFACE & CAPABILITY

Modularity of design allows for a single robotics platform to be customized for multiple end uses. Our approach is to create a standard framework for command and control of the robotics platform, regardless of controlling it remotely or functioning autonomously. This allows the platform to be reconfigured for any required task.

MOBILITY MODELS

- Ground Variant with varied locomotion (wheeled mobile, tracked mobile, stationary fixed mount, rail & trolley mount, magnetic, suction, walking)
- Flying Variant
- Submerged Variant

MODULAR SENSORS

Assessment, Detection & Mapping For:

- Battle Damage
- Heat, Humidity, & Air Quality
- Radiological
- Acoustic Sensing
- Visual and Audio Identification
- Dynamic Environment

HUMAN CENTRIC CONTROLLER

- Onboard Autonomy Suite
- Standard Controller
- Web-based Simplified Controls
- Augmented Reality/Mixed Reality Controls
- Haptic Feedback
- Machine Vision System
- Mixed Reality Creation
- Realtime Scene Markup
- Compatible to All Model Configurations
- Works with all IO for Data Coming off the Platform

STACKING THE DECKS

with best-in-class marine technologies and service solutions.

We deliver an advantage to the U.S. fleet with a growing array of best-in-class marine technologies, OEM parts, technical support, and turnkey services – all from a single, trusted source.

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