BOSTON ENGINEERING™

FOSAR
IMAGINE THE IMPACT™

Family of Shipyard Assisting Robotics: A Force Multiplier

FOSAR Technologies:

- Multi-Mission Vehicle Platforms
- Payload Integrations
- Secure AR-Assisted Remote Video
- Worker Expert Guidance
- Product/Systems Engineering & Design
- Sensors, End Effectors, and Manipulators

Features	Benefits
Common Components	Fewer parts and knowledge to optimize system
Mix and Match Payloads	Universal payloads available across multiple robots
Optimized Control Electronics	Reduced SWaPc2 (Size, weight & Power, and Cost)
Scalable Power and Electronics	Common electronics for variable power
Digitally-Enabled and AR/IoT Assisted	Multiple users with control and monitoring capability
Universal Tether/ Retrieval System	Common power, data, and safety features
Common User Interfaces (UI)	Reduced training with cross-platform utility
Mixed Reality (MR) Support	Digitally visualize support capabilities for workers
Open/ Non-Proprietary Software	Multiple entities can contribute capabilities

Designed for Manufacturability, Serviceability, Usability, & Upgradability

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FOSAR
IMAGINE THE IMPACT™

FOSAR Overcomes Modern Challenges with Innovative Solutions

Significant cost reductions in capital, manpower training, and operational execution

Extending capabilities, increasing safety, reducing physical demands on activities performed, shortening equipment downtime

Addresses workforce retirement and shortages in the maintenance and sustaining environments

Straightforward integration with modular architectures and universal equipment

Vacuum/ Suction Crawlers

Perform multiple different type of missions while saving time and reducing the manpower required to complete tasks

- Ruggedly designed for durability
- Removes maritime biofoul
- Maintains contact over challenging surface conditions

Magnetic Climbing Robots

Maneuver within complex and confined tank spaces to execute thorough inspections and perform other activities

- Reduces human exposure
- Interfaces with other equipment
- Maneuverable over many surfaces

Swimming Robots

Highly maneuverable flexible body capable of performing multiple different types of missions

- Delivers real-time data
- Easy to launch and recover
- Operates in challenging environments