

CAPABILITY STATEMENT

Fleet Robotics is a physical AI company building autonomous robots for continuous inspection and maintenance of critical infrastructure, starting with maritime vessels. Our dual-use autonomous robot, FleetBOT™, is designed to continuously clean and inspect vessel hulls while underway or at anchorage, giving defense and commercial operators real-time hull condition data at sea. FleetBOT can be installed permanently onboard vessels or deployed as a maintenance tool by shipyards, Regional Maintenance Centers, and intermediate maintenance activities.

Commercial diving carries fatality rates 3–10x the national average. FleetBOT minimizes that exposure, reducing the need for hazardous underwater labor — and significantly reducing reliance on over-the-side scaffolding and confined-space hull entry.

Founded in 2022 and headquartered in Boston, Massachusetts, Fleet Robotics is a deep tech company backed by leading investors and validated through the U.S. Navy SBIR program.

BACKED BY



CAGE: 9JER7 | UEI: UEFLFMQJEC45 | NAICS: 334511

CORE CAPABILITIES

- ▶ Autonomous hull cleaning and inspection underway or at anchorage
- ▶ Real-time hull condition data at 10cm resolution
- ▶ Non-abrasive, continuous hull grooming
- ▶ Operates across a range of sea states and water conditions
- ▶ Compatible with vessel-integrated and shipyard deployment models

ROBOT SPECS

WEIGHT	25 kg
DIMENSIONS	1.1m × 0.53m
OP. SPEED	Up to 7 knots
DEPTH RATING	25m operational
HULL COVERAGE	90%+ (incl. curved surfaces)
BATTERY	4–5 hrs continuous
TRL	TRL 6

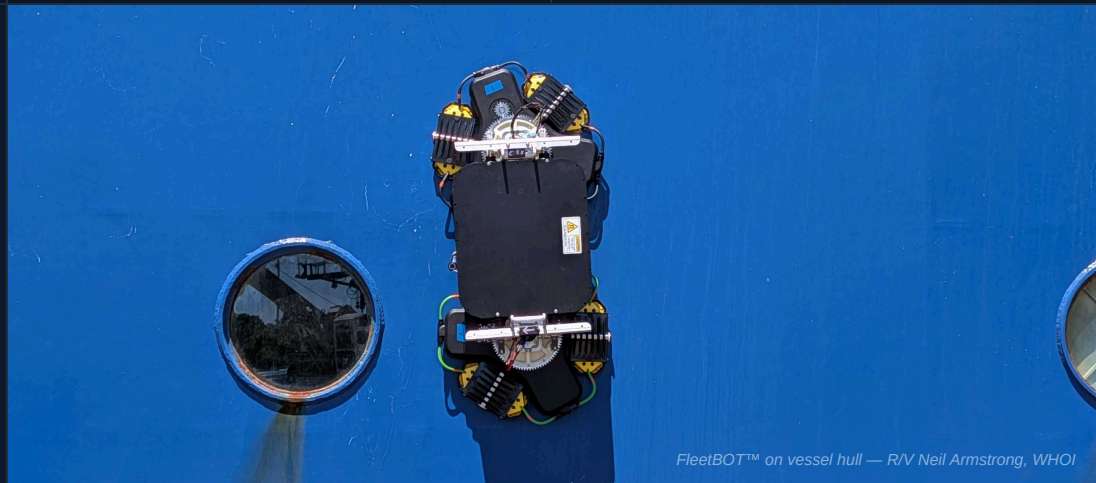
DIFFERENTIATORS

- ▶ No operator required — robot navigates and executes missions independently with minimal crew involvement
- ▶ Untethered — full hull coverage without tether constraints
- ▶ Two deployment modes — vessel-integrated or shipyard and RMC maintenance tool
- ▶ Dual-use — validated across commercial maritime and U.S. Navy; applicable across defense branches including Army watercraft



*Fleet Robotics' solution crashes the [shipyard maintenance] schedule — combining cleaning and inspection into a single robotic step, collapsing what takes several teams several months into a matter of days. The solution **avoids compounded costs in the millions** when compared with current methodologies.*

NORFOLK NAVAL SHIPYARD — NEW TECHNOLOGIES BRANCH



FleetBOT™ on vessel hull — R/V Neil Armstrong, WHOI

ESTIMATED ANNUAL SAVINGS PER VESSEL

Conservative estimates based on naval vessel deployment

≈ **\$4M**

total estimated annual savings per vessel
\$19M over a 5-year period

BREAKDOWN

\$2.80M Shipyard repair scope reduction through early issue identification

\$1.03M Fuel savings and operational expense reduction

\$0.99M Dry dock avoidance through continuous condition monitoring

WHAT IT ENABLES

Together these capabilities shift hull maintenance from a reactive, drydock-driven burden to a continuous, data-driven operation — keeping vessels in service longer and shipyards working smarter.

- ▶ Vessels return to service faster with less time in drydock
- ▶ Shipyards receive known hull scope before a vessel arrives, eliminating surprise findings and unplanned growth work
- ▶ Months of cleaning and inspection consolidated into days
- ▶ Condition-based maintenance replaces calendar-based drydock scheduling
- ▶ Reduced reliance on hazardous underwater labor, scaffolding, and confined-space entry

PAST PERFORMANCE

NAVSEA SBIR Phase I + Option (N244-P02) · NAVSEA **Complete**

NAVSEA SBIR Phase II (N244-P02) · NAVSEA **In Contracting**

POINT OF CONTACT

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