

EVERCLEAN

GROOMING

// INSPECTION

HULL INSPECTION

EverClean

Autonomous Inspection for Complete Hull Intelligence

EverClean is the original autonomous hybrid platform, combining hull crawling and underwater flight in a single commercially available inspection system. Built on 20 years of field-proven robotics, high-definition cameras and high-resolution sonar deliver close-contact detail on corrosion, scaling, and coating condition that a flyby cannot capture. The EverClean platform is configurable by design for customizable payloads.



APPLICATIONS

Expanding hull intelligence in key inspection programs with a ready-to-deploy solution.**Port Access**

Fouling condition documented before declaring in regulated regions.

Charter Disputes

Collect inspection evidence at idle or before redelivery.

Husbandry Planning

Condition data that informs you when to clean, so maintenance is timed to the hull for efficiency.

Survey Support

Frequent hull condition documentation between periodical surveys.

Contraband Detection

Sonar anomaly detection identifies attachments and irregularities on the hull in low visibility where cameras are limited.

Modular Payload Application

Configurable solutions like hull plating thickness measuring can be attached for enhanced assesment

- 2x 2.25 MHz Ultrasonic probes in articulated mounts
- 1x Downward HD camera and lighting system
- Video coverage rate: up to 0.75 m/s
- Programmable sample intervals for UT thickness readings



SPECIFICATIONS

LENGTH	30 in / 76.2 cm
WIDTH	22 in / 55.8 cm
HEIGHT	10 in / 25.4 cm
DRY WEIGHT	57lbs / 25.8 Kg
NAVIGATION POSITIONING	Greensea IQ OPENINS
COMMAND & CONTROL SOFTWARE	Greensea Core Greensea IQ Workspace user interface

EVERCLEAN INSPECTION ROBOT FEATURES

- Single-person portable
- Efficient, scalable, cost effective, and convenient
- Inspection of niche areas such as sea-chest or tunnel thrusters
- Data collection integrates with EverClean IQ to deliver a complete picture of vessel health
- Flexible operational control with 180° robotic maneuverability

COMPONENTS

Hull Interaction

- Non-magnetic hull attachment through vortex adhesion
- Operational flexibility with the ability to detach for free-flight inspections
- Specialized treads maximize operational performance

High-Performance Sensor Suite

- Optimizes autonomy and navigation
- Standard fwd/aft high-definition cameras
- Obstacle detection, avoidance & hull mapping
- High-resolution multi-beam sonar

TECHNICAL DATA

Hull Intelligence in a Single Workflow

- Georeferenced inspection data
- Built on Greensea IQ's Core software robotic framework

Robotic Autonomy with Topside Communication

- Real-time visibility of anomaly detection.
- Integrated workspace alerts and camera feeds for informed assessment

Rapid-Response Deployment

- Single-person portable transport
- Maximize efficiency by deploying several robots at once

Sensor and Payload Configurations

- High-definition camera paired with sonar for low-visibility detection
- Modular chassis design for custom payload requirements

Specifications subject to change without notice.