

CLEAN TRASH Marine Litter Collection

BOOM FEATURES

- Heavy-duty containment boom with solid cylindrical floats and a subsurface skirt directs and controls marine litter to collection
- A removable collection cage utilizes 3 separate collection chambers/levels that lower and raise to store collected litter
- A height regulating system utilizes salvage technology to alternate multiple storage level when filled via remote-control
- The system can be remote-controlled, including remote observation by an on-board camera 24/7, from a smart-phone
- Tailor-made, modular systems are built for continuous, long-term use and are ideal for a variety of environments and scenarios



New Naval's CLEAN (CLAIM's Litter Entrapping Autonomous Network) TRASH (Tactical Recovery Accumulation System Hellas) is an unparalleled and highly-efficient solution to manually managing and removing marine litter from river mouths. The system has a highly efficient storage design, capacity up to 890 kg, with multiple levels that are alternated when one is full. A boom arrangement controls, guides and manages materials to a containment cage where it is collected, contained and stored before removal. The system collects macrolitter (down to 5 mm) and greater. Scalable systems are designed to the installation environment, combining innovative technology and strategic arrangements.

- Height regulating floats position the containment cage by utilize salvage technology to move the storage level
- Independent remote-control system for changing storage levels, online video monitoring and real-time information viewing
- Alternate power solutions available based on Green energy sources: solar, wind or hydro power
- On-board power storage including stand-by options
- Optional addition of scientific instruments for data collection; current meter, salinity meter, depth sounder, etc.
- Self-propulsion models for non-accessible installation locations
- Optional impeller to induce artificial currents or promote/increase flow and control of natural currents available

TECHNICAL SPECIFICATIONS (Containment System)

Length	5,87 m
Width	3,1 m
Height	4,66 m
Weight (empty)	1585 kg
Garbage Capacity (max.)	890 kg
Storage Levels	3
Construction Material	Steel
Coating	Marine-Grade Paint
Power Cable	220V
Height Pumps	4 x 12V
Secondary Pump	220V
Height Position Sensors	2
Containment Boom Technical Info.	Dependent upon installation

System Components

- Floating base platform
- Internal, removable containment cage
- Electronic system
- Outer boom, J-formation
- Inner boom, independent guide booms

C-Series Solid Filled Boom

- Flexible configurations
- Custom heights and lengths
- Solid foam cylindrical floats
- High-vis. w/ reflectors and marine lights
- Anchoring sets w/ strategic positioning
- Optional tidal compensator