



DeltaSea

Marine Debris Cleanup Technology

OVERVIEW

This presentation provides a high-level overview of DeltaSea technology for cleaning debris and plastics pollution from marine environment.

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The technology presented in this document is proprietary. It is protected by a US Patent, with other patents pending.

Introduction

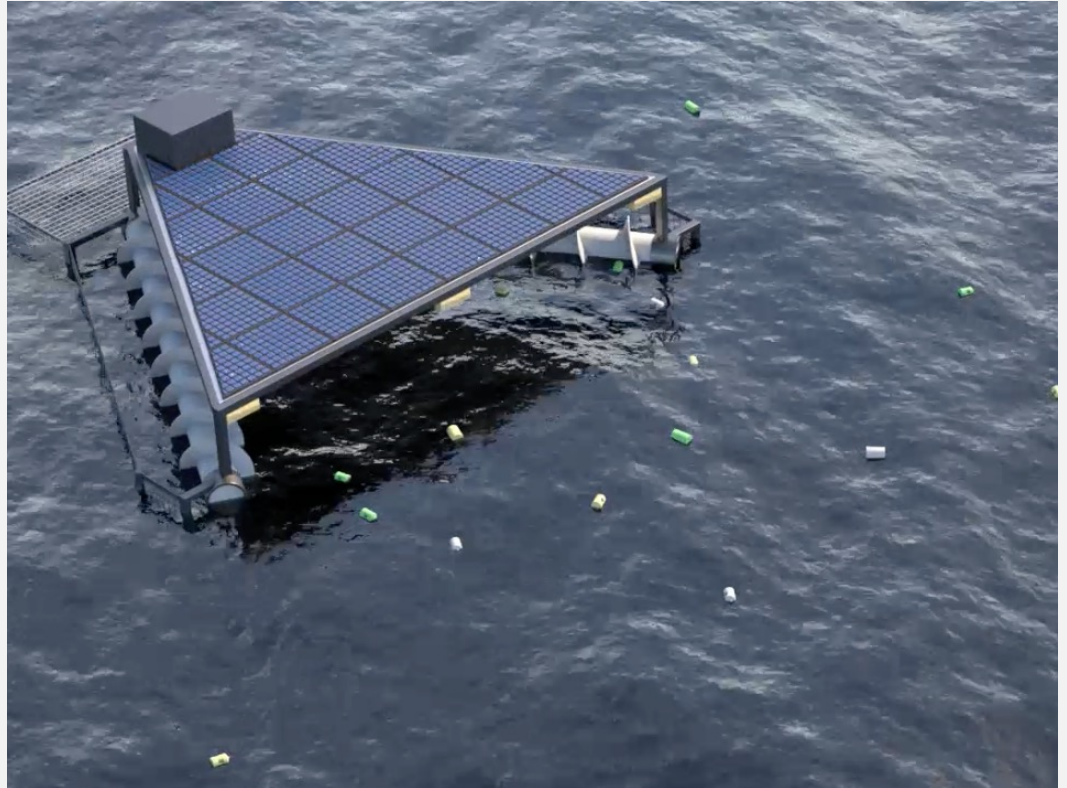
DeltaSea is a multipurpose, self advancing cleanup technology for cleaning debris, plastics pollution, oil and chemical spills.

It provides unmanned, remotely controlled operations.

DeltaSea technology can be adapted to a range of cleanup applications and operating conditions.

The technology can be powered solely by solar energy.

DeltaSea technology can be developed into a fully autonomous, AI aided system, with drone or satellite guided navigation.



The Marine Debris Cleanup Problem

The escalating global need for water pollution cleanup is driven by rising plastic pollution, industrial contamination of marine environments, and the increasing frequency and severity of natural disasters.

The technologies currently used for cleanup of various debris are labor and equipment intensive, leading to high operational costs. As a result, cleanup efforts remain insufficient in scale.

There is a critical gap in the availability of cost-effective, large-scale technologies capable of meeting this growing demand.

There is need for innovative solutions that can deliver safe, low-cost cleanup with minimal human involvement.

The DeltaSea Solution

DeltaSea technology provides:

- A cost-effective solution that is adaptable across diverse range of sizes, operating arrangements, and cleanup applications.
- Ability to operate on renewable energy only, minimizing environmental impact of cleanup operations.
- Remotely controlled, unmanned operations.
- Suitable for operation in hazardous environments.
- Potential to operate in fully autonomous, AI aided mode, including drone and satellite guided navigation.

DeltaSea technology can be adapted for use in various operating environment, including the open ocean operations.

For a high-level illustration of its operating principles visit this [video](#).

Potential Applications

Potential applications of **DeltaSea** technology include:

- Emergency spill cleanup
- Environmental remediation
- Port and terminal operations
- Offshore operations, industrial facilities
- Shipping company incident responses
- Coastal municipalities
- Resorts
- Smart city initiatives
- Hydroelectric power plant accumulations
- Channel and waterway maintenance

Specification Highlights

Propulsion Type	Self Advancing, no auxiliary vessels needed for operation
Size Range	2m to 30+ m Operating Width
Cleanup Capacity	250 m ² /h to 100,000 m ² /h Cleanup Surface Area
Operating Modes	Remotely Controlled within operator's sight. Potential to develop into fully Autonomous, AI aided operations with Drone or Satellite aided Navigation.
Operating Environments	Lakes, River Deltas, Channels and Waterways, Coastal Regions, Open Ocean
Power Supply Options	Battery Powered; Gas Powered; Solar
Method of Deployment	Launching from the shore; deployment and control from another vessel or an offshore based installations



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