

NAUTIC International Boat Show

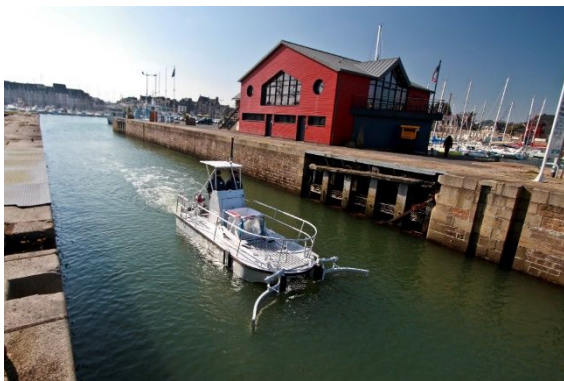
Reduced carbon footprint for the EFINOR Sea Cleaner ^{100% electrical} depollution boats

The EFINOR Group, through its subsidiary EFINOR Sea Cleaner is exhibiting at the International Nautic Boat Show, in Paris-Porte de Versailles, hall 1, booth H12.

Visit us will offer you the opportunity to discover a preview of our new depollution boat, the Waste Cleaner 66, 100 % electrical.

Because acting locally is acting sustainably, our teams have worked on developing, based on an existing ship, a 100% electric engine (40 kWh for 8 hours of autonomy). This electric boat is able to combine a **patented technology of depollution** and a **reduced carbon footprint** and all, without noise for a better comfort.

The idea was therefore to replace the heat engines with 100% electric models which results in a higher efficiency because the power required for the operation of the engines is greatly reduced and the maintenance is also reduced. We have worked with a reliable partner, TORQEEDO, leader of electric motors for boats.





This vessel, which is mainly dedicated to the cleaning of the coast and inland waters, perfectly meets the needs of commercial harbours or marinas to maintain a clean water while reducing their environmental impact. It can also be used on clean water plans (no discharge into water and air). Multipurpose vessel, it ensures the collection of solid and liquid floating waste, including hydrocarbons.

Constructed from aluminum, suitable for road transport, these vessels are transportable with a suitable trailer and have a single point of lifting for a simplified launching.

The Waste Cleaner a service boat

These vessels may be made available, with the crew, in case of accidental leakage of hydrocarbons. For example, following the accident off the coast of Corsica on October 7, 2018, a waste cleaner intervened more than 3 weeks in order to respond urgently to the needs for cleaning up the coast.

In figures :

-  8,500 kg of heavy oil collected
-  About 1500 kg of soiled solid waste collected



TECHNICAL SPECIFICATIONS & KEY FEATURES

Integrated cleaning system

- Quick response (< 30 sec)
Front door - Suction – Solid waste basket
- Crew's safety
Hydraulic control from the cabin by 1 person
- Low operation cost and efficiency
Proven and unmatched performance

Suction at the bow of the ship

- Liquid waste recovery
Internal floating storage.
 - Incomparable storage capacity
 - No variation for trim and draft
 - No impact on stability
- Solid waste recovery
Automatic filtration and recovery on the deck
- Suction at halt, more than 5 m ahead
Between two hulls, under pontoons, and most inaccessible area
- Suction in movement
Permanent suction either moving forward or in reverse

Multi purpose vessels

- Port service up to 5 miles from shelter
- Dock/jetty cleaning
- Mooring
- Load and personnel transport
- Black / grey water recovery
- Seaweed cutting machine

Construction

| | |
|------------------------------------|----------------------|
| Material | Aluminum |
| Ship certification | Bureau Veritas 222 |
| Regulation | French Flag Division |
| Engine | 50 HP Outboard |
| Max. speed | 8 knots |
| Navigation category | 5 th |
| Lifting by a single lifting padeye | |

Dimensions

| | |
|-----------------|---------|
| Length of hull | 5,90 m |
| Beam of hull | 2,20 m |
| Light weight | 2000 kg |
| Draft (average) | 0,60 m |
| Crew | 1 |

Transportable by road on a trailer (road gauge)

Cleaning capacity

| | |
|---------------------|--|
| Suction capacity | 750 m ³ /h |
| Liquid storage tank | 1 000 L |
| Payload on deck | 700 kg |
| Cleaning speed | 2 knots |
| Cleaning width | 4,10 m for solid waste and 3,50 m for hydrocarbons |
| Motor-pump | 50 m ³ /h |

