



USV(Unmanned Surface Vehicle) SEA CLEANER

FOR MARINE POLLUTION CLEANUP OPERATIONS AND MARINE SERVICES

The **USV Sea Cleaner** is a modular, unmanned maritime drone designed for a wide range of pollution removal and sea service operations. Made of **aluminum**, it can be remotely **operated either in sight or at a distance**, particularly for offshore operations. Thanks to area scanning, it can change course upon detecting an object, it knows how to follow a defined path, and it complies with Colreg navigation rules.



Amphidrome, it offers exceptional versatility, allowing for instant switching between operating modes. Thanks to its interchangeable onboard modules, it can be easily adapted to meet various expected requirements, and it is designed for intensive use in challenging maritime environments. This drone can also be used without a module, allowing the operator to integrate their own equipment.



Wide range of modules:

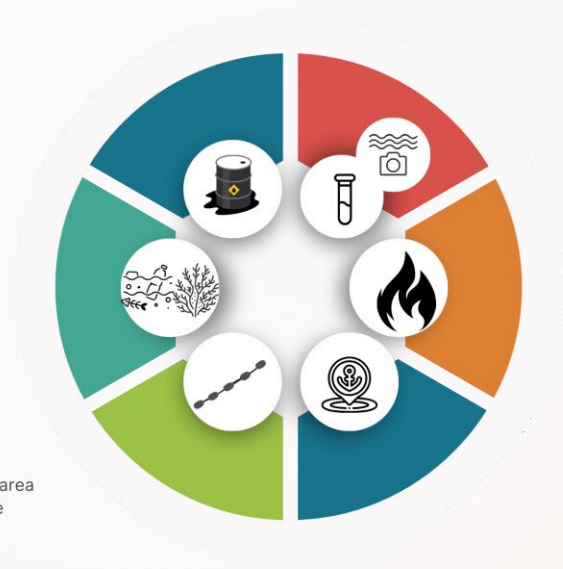
- ≡ Depollution of solid waste & hydrocarbons,
- ≡ Deployment of anti-pollution barriers,
- ≡ Fire fighting module,
- ≡ Cleaning module,
- ≡ Other module possible upon request.



SPOTLIGHT ON FUNCTIONS OF THE USV SEACLEANER



- 01**
HYDROCARBONS
 - Oil Spill detection
 - Collection with skimmer
 - Transfer (drone tank)
 - Unloading on land or at sea
- 02**
**SOLID WASTE /
ALGAE & SARGASSUM**
 - Waste detection
 - Collection with conveyor
 - Storage in drone
 - Unloading with crane
- 03**
FLOATING BARRIERS
 - Handling of barrier
 - Deployment of barrier in coastal area
 - Collection of hydrocarbons in the barrier zone



- 04**
SAMPLING & MONITORING
 - Test tube with winch
 - Camera and screens (thermal), radar, AIS
- 05**
FIREFIGHTING
 - Fire launch (ships extinction)
- 06**
**DOCKS & OFFSHORE
STRUCTURES**
 - Removal of nets or obstructing elements



THE MAIN TECHNICAL CHARACTERISTICS*

Length	Width	Weight
5.5m	2.4m	~2000kg

Propulsion	Battery capacity	Autonomy
2*10kw Pods	40kwh	6h (augmentation de l'autonomie possible sur demande)

Solid waste storage capacity	Liquid waste storage capacity
~ 500kg	800l

Maximum speed 5,5 noeuds	Depollution speed: 0-2 noeuds
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Ability to work offshore and carry out decontamination with waves up to 1 meter.
Handling via trailer, port crane, or offshore platform crane.

** Data for informational purposes*



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