



The Otter X

Sea drone by Maritime Robotics

Uncrewed surface vessel (USV) for coastal and river operations.

Robust and effective, designed for precise data acquisition,
environmental monitoring, and surveillance.

The Otter X

Sea drone by Maritime Robotics

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Custom payload

for versatile applications

The Otter X’s modular design, featuring two spacious dry chambers, allows for easy customization and **diverse payload integration**. This adaptability ensures it can meet the specific requirements of any mission.

→ **Precise bathymetric data with wide hull and extended endurance.**

Clean operations

with electric propulsion

Powered by four lithium-ion battery packs, the Otter X’s **twin electric thrusters** provide propulsion without CO₂ emissions. This all-electric system minimizes noise, eliminates the risk of oil spills, and significantly reduces the carbon footprint for **greener maritime operations**.

→ **Real-time visualization and quality control for effective surveys.**

Robust and powerful

for demanding environments

The Otter X, the market’s **most powerful electric catamaran**, is built for challenging nearshore conditions. Its wide hull, dual 11kW steerable electric thrusters, and **multiple payload capacity** enable operation where other electric vessels cannot.

→ **Versatile payload integration for detailed ocean data.**



Specifications

FEATURE	DESCRIPTION	STANDARD	ADD-ON
Dimentions (LxWxH)	4600mm x 2213mm x 1900mm (MCA compliant upon request)	✓	
Draft*	400mm +/- 100mm	✓	
Hull material	Recycled PE	✓	
Dry weight*	<1000 kg	✓	
Battery type	4 x lithium-ion batteries	✓	
Payload weight capacity	Depending on sensor configuration (reach out for details)	✓	
Propulsion	2 Rim Drive POD electric thrusters with azimuth steering	✓	
Endurance*	Pending compliance testing	✓	
Top speed*	Pending compliance testing	✓	
Sea State (Beaufort Scale)*	3 - 4	✓	
Autonomous and remote-control	Maritime Robotics Autonomous Navigation System	✓	
Vehicle Control System	VCS Rugged Laptop and Android app	✓	
Standard situational awareness	Camera FWD Facing / AIS class B receiver/ VHF over IP Depth Transducer	✓	
High-bandwidth communication links	5GHz MIMO radio / WiFi / LTE (4G)	✓	
Trolley	Otter X is delivered on a rolling trolley. This can be used for deployment from a vehicle loading trolley	✓	
Enhanced situational awareness	Maritime Robotics SeaSight		✓
Additional communication links	MBR / VHF /Starlink		✓
SeaCapture	Tightly integrated data capturing software		✓
External control	Ability to navigate using 3rd party software		✓
Formation mode	For operating several Maritime Robotics USVs in formation		✓
Launch and recovery	Launch and recovery kit for crane launch		✓
230V Inverter	230VAC Inverter		✓
Winch	Autocast SVP / Additional winch options on request		✓
Various integrations	Reach out for extra integrations		✓

**Depending on conditions and payload integrations.*