MARITIME ROBOTICS | Enabling ocean space autonomy

subtop
PARTENAIRE DISTRIBUTEUR
INTÉGRATION VENTE LOCATION
www.subtop.fr
contact@subtop.fr
01 64 55 80 40





MARITIME ROBOTICS

The Otter

Sea drone by Maritime Robotics

Uncrewed surface vessel (USV) for sheltered coastal waters.
Robust and effective, designed for precise data acquisition, environmental monitoring, and surveillance.

www.maritimerobotics.com | (+47) 73 40 19 00 | info@maritimerobotics.com

The Otter

Sea drone by Maritime Robotics

www.maritimerobotics.com | (+47) 73 40 19 00 | info@maritimerobotics.com

Efficient operations
through seamless integration

The Otter's versatile design allows for easy integration of **diverse payloads**, ensuring precise data collection. Its Vehicle Control Station (VCS) simplifies access to survey sites by combining remote and autonomous navigation. The VCS also provides **real-time data visualization** through a user-friendly interface.

Enhanced situational awareness in confined environments.

Clean operations
with zero emissions

Powered by four battery packs and **two electric thrusters**, the Otter operates emission-free for up to 20 hours, depending on conditions and payload. This all-electric system **eliminates CO_2 emissions**, offering a sustainable alternative to traditional survey vessels.

Real-time visualization and quality control for effective surveys.

Portable & adaptable
for rapid deployment

The Otter's compact, **modular design** enables easy transport and quick deployment to various survey locations. Its plug-and-play system allows for **swift payload changes**, such as sonar installation, enhancing its adaptability and operational efficiency in the field.

Versatile payload integration for detailed ocean data.



Specifications

FEATURE	DESCRIPTION	STANDARD	ADD-ON
Dimensions (LxWxH)	2000 mm x 1080 mm x 1065 mm	✓	
Draft*	320 mm	✓	
Hull material	recycled PE	✓	
Dry weight	62 kg	✓	
Battery type	4 x lithium-ion batteries	✓	
Weight with batteries	85 kg	✓	
Payload weight capacity	30 kg	✓	
Propulsion	2 x electric motors	✓	
Endurance*	20 h operation time at 2 kts	✓	
Top speed*	4.5 kn	✓	
Sea State (Beaufort Scale)*	4	✓	
Autonomous and remote control	Maritime Robotics **Autonomous Navigation System**	✓	
Vehicle Control System	VCS Rugged Laptop and Android app	✓	
Standard situational awareness	Camera / AIS class B receiver	✓	
High-bandwidth communication links	5GHz MIMO radio / Wifi	✓	
Additional communication links	MBR / VHF / LTE (4G)		✓
Enhanced situational awareness	Maritime Robotics **SeaSight** / AIS class B transceiver		✓
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		✓
Ruggedised flight cases	Ruggedised flight cases for transport		✓
Winch	Autocast SVP winch with hold capacity		✓
Various payload integrations	Additional systems and sensors for survey, support, monitoring and surveillance		✓

** Depending on conditions and payload integrations.*