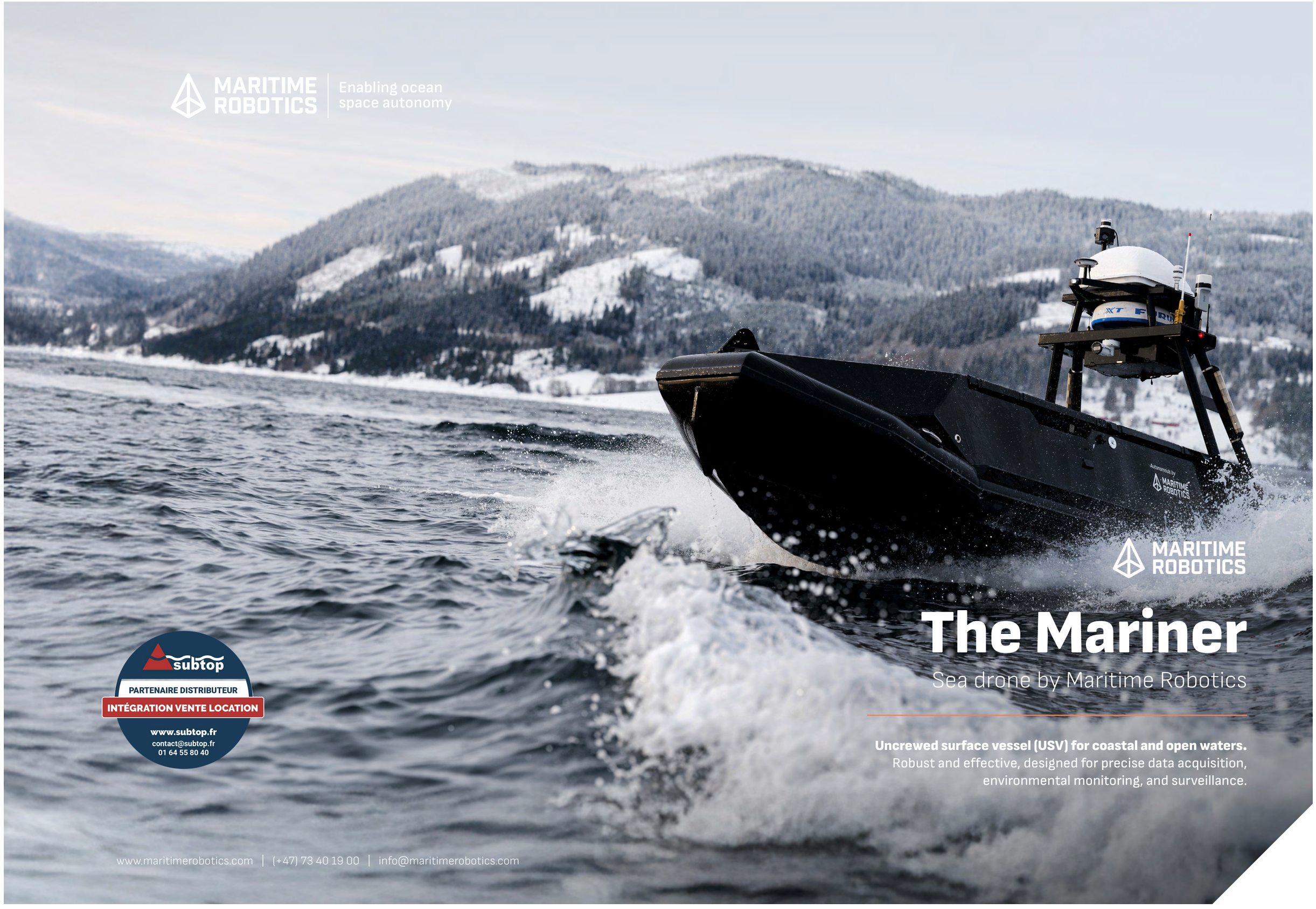

MARITIME ROBOTICS
Enabling ocean space autonomy
Autonomous by MARITIME ROBOTICS
MARITIME ROBOTICS
The Mariner
Sea drone by Maritime Robotics
Uncrewed surface vessel (USV) for coastal and open waters.
Robust and effective, designed for precise data acquisition, environmental monitoring, and surveillance.
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The Mariner

Sea drone by Maritime Robotics

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Boost operational
range and efficiency

Incorporate the **Mariner USV** into your fleet to expand your survey, monitoring, and exploration capabilities. Its **dual-mode operation** (autonomous and remote-controlled) ensures flexible deployment while reducing costs. For environmental monitoring or surveillance, the Mariner acts as a **force multiplier**, improving situational awareness, minimizing risk, and delivering results even in confined or offshore environments.

→ **Ideal for ocean mapping, environmental monitoring, and advanced exploration.**

Custom payloads
for every mission

The Mariner is built to accommodate a wide array of **sensors and sonars** for precise, high-quality data collection. Thanks to its **modular payload system** (including moonpool elevators or fixed gondolas), you get optimal sensor placement and reduced interference. It's the perfect platform for **ROV support**, seabed studies, and multi-sensor integrations tailored to your operational goals.

→ **Maritime surveillance-ready: Equip custom payloads for real-time target tracking and area security.**

Durable, agile
and build for precision

Constructed with **lightweight yet rugged polyethylene (PE)**, the Mariner delivers high durability with low maintenance. Its **shallow draft** and **waterjet propulsion** allow for fine maneuverability in close-range or shallow environments. From coastal surveys to deepwater inspections, the Mariner is built to reach areas that traditional vessels cannot.

→ **Proven for offshore pipeline monitoring, subsea platform inspections, and well surveys using onboard sensors.**



Specifications

FEATURE	DESCRIPTION	STANDARD	ADD-ON
Dimensions (LxWxH)	5980 mm x 2060 mm x 2700 mm	✓	
Dry weight	2000 kg	✓	
Draft*	500 mm	✓	
Hull material	Polyethilene (PE)	✓	
Moonpool wells	1	✓	
Propulsion	Hamilton Jet with 196 hp Yanmar Diesel Engine	✓	
Bow thruster	Standard for precise slow speed navigation	✓	
Top speed*	24 kn	✓	
Sea State (Beaufort)*	4 (survey), 6 (transit), 7 (survival)	✓	
Standard fuel tank	200 liters	✓	
Fuel capacity*	72 h operation time at survey speed	✓	
Power systems	12VDC, 24VDC, and 230VAC	✓	
Autonomous & remote control	Maritime Robotics **Autonomous Navigation System** & industrial remote	✓	
Vehicle control	VCS Rugged Laptop	✓	
Awareness systems	Camera / AIS class B / Radar	✓	
Communication	LTE (4G)	✓	
Additional communication links	Long-range radio / Starlink / Other over-the-horizon (OTH) services		✓
External control	Navigate using third-party control software for full integration		✓
Formation mode	Operate several USVs following a mother vessel for scalable operations		✓
Rack mount VCS computer	Designed for fixed installations and control centers		✓
Enhanced Situational Awareness	Maritime Robotics **SeaSight**, AIS Class A, and VHF integration for extended awareness		✓
SeaCapture software	Seamless, high-resolution data acquisition and mission logging		✓
Extra fuel tank	Additional 200 L tank for extended mission duration		✓
Additional generator	Increased power supply for advanced sensor payloads		✓
Redundant propulsion	Twin electric pods for backup propulsion and increased reliability		✓
Launch & Recovery system	Choose between cradle-based or trailer-based systems for flexible deployment		✓
Winch	Autocast SVP winch for instrument deployment		✓
Payload mounting system	Moonpool elevator or fixed gondola		✓
Various payload integrations	Modular sensor options for survey, inspection, support, and environmental monitoring. ISR optional.		✓
Certification	DNV-ST-0342		✓

** Depending on conditions and payload integrations.*