

# SEASAM

# ORIGIN DRONE™

## THE COMPACT & EFFICIENT ROV

- Seasam Origin Drone™ is a compact, reliable and high-performance ROV.

Manoeuvrable, stable and easy-to-use, it satisfies the needs of all underwater data collection professionals.

Its pilot application Seasam Control™ is packed with smart features to simplify underwater inspections.

With Delair Cloud™ (the underwater data analysis platform), this ecosystem helps you deliver professional results to your clients at the highest quality standard.



## USE CASES

### 1 - ROV Surveys

Always ready to deploy, Seasam Underwater Drone™ performs all kinds of ROV missions with ease:

- Ship hull inspections
- Environmental monitoring
- Infrastructure assets inspection
- Search & Rescue



### 2 - Underwater Location

Used with Seasam Navigator™, Seasam Underwater Drone can be piloted remotely from the operator, localised in real time, and perform autonomous waypoint navigation for the automation of operational processes.



### 3 - Autonomous tracking

In addition to its ROV features, Seasam Underwater Drone™ is the only compact vehicle in the world capable of autonomously tracking and following a moving target (diver, other ROV) enabling new horizons for real-time supervision and assistance to underwater operations.



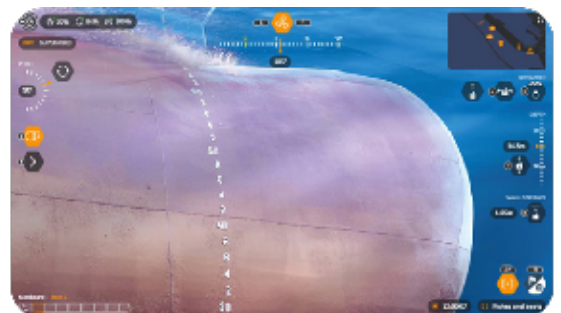
## USER TESTIMONY

“ We appreciate the Seasam Origin Drone for its agility and maneuverability, which allows us to access areas that are difficult to inspect.

The Seasam Control piloting application is stable, intuitive and efficient. ”



J.C.,  
MCO Infrastructure  
preparato  
Naval Group.



## TECHNICAL SPECIFICATIONS

### SPEC SHEET

ROV CAPABILITIES	
<b>Dimensions</b>	55cm x 45cm x 23cm // 22in x 18in x 9in
<b>Buyoancy</b>	Slightly positive underwater - adjustable
<b>Weight</b>	9 kg / 20 lbs
<b>Forward &amp; lateral speed</b>	2kt (upgradeable to 2.5 kts) // 1kt (upgradeable to 2.5 kts)
<b>Maximum depth</b>	100 m / 330 ft
<b>Battery runtime</b>	1h30 - upgradabeable to 4hrs
<b>Tether length</b>	150m - upgradeable up to 300m
<b>Led lights</b>	2 x 1000 lumens - upgradeable
<b>Ancillary mounts</b>	Ball mounts / 2kg payload
CAMERA	
<b>Sensor</b>	1/2.8" CMOS Sony IMX290 low light Sensor
<b>Video resolution</b>	Full HD 1080p - 30 fps - 80° inwater Field of View
INTERNAL SENSORS	
Depth Sensor (m or ft) // Internal temperature // GPS // 9-Axis IMU	
SEASAM CONTROL APPLICATION	
<b>Navigation assistance</b>	Smart compass // depth - heading - pitch indicators // Locational map // System status indicators
<b>Survey features</b>	3 speeds - Turbo mode // Wall servoing // Lateral gliding // Hull position widget (manual + auto) // POI flagging
<b>Other features</b>	Sensors data display // Speed and interface customisation File sharing // Livestreaming // Delair Cloud integration