

# SEASAM

# ORIGIN DRONE™

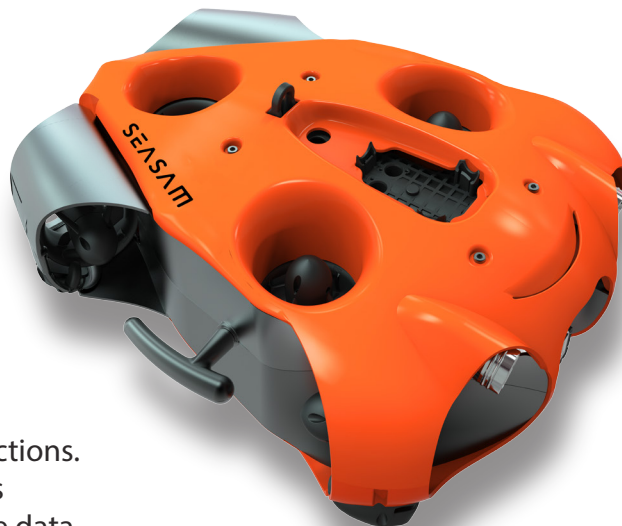
## THE COMPACT & EFFICIENT ROV

Seasam Origin Drone™ the first compact ROV to combine :

- Agility
- Stability
- Ease of use

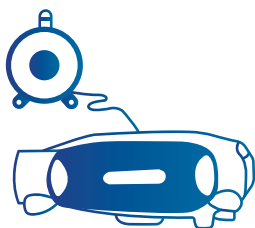
It satisfies the professional needs of underwater data collection.

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 precise data.



## USE CASES

### 1 - ROV Surveys



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

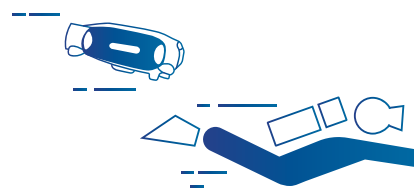
- Ship hull inspections
- Environmental monitoring
- Infrastructure assets inspection
- Search & Rescue

### 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.

## TECHNICAL SPECIFICATIONS

ROV CAPABILITIES	
Dimensions	55cm x 45cm x 23cm // 22in x 18in x 9in
Buyoancy	Slightly positive underwater - adjustable
Weight	9.6 kg / 21 lbs with a M batterie
Forward & lateral speed	1.75kt forward // 0.85kt latéral
Maximum depth	100 m / 330 ft
Battery runtime	1h30 - upgradabeable to 4hrs
Tether length	100m - upgradeable up to 200m
Led lights	2 x 1000 lumens - upgradeable
Ancillary mounts	Ball mounts / 2kg payload
CAMERA	
Sensor	1/2.8" CMOS Sony IMX290 low light Sensor
Video resolution	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	
Navigation assistance	Smart compass // depth - heading - pitch indicators Location map // System status indicators //
Survey features	3 speeds - Turbo mode // Wall servoing // Lateral gliding Hull position widget (manual + auto) // POI flagging //
Other features	Sensors data display // Speed and interface customisation File sharing // Livestreaming // Delair Cloud integration

**TRANSPORTATION** : Ultra compact packaging, easily deployable.

### INTEGRATED 3rd PARTY ACCESSORIES

- Multibeam sonar
- Gripper arm
- Additional / turbidity camera
- External lighting

**CONTACT**

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<http://www.delairmarine.com/>