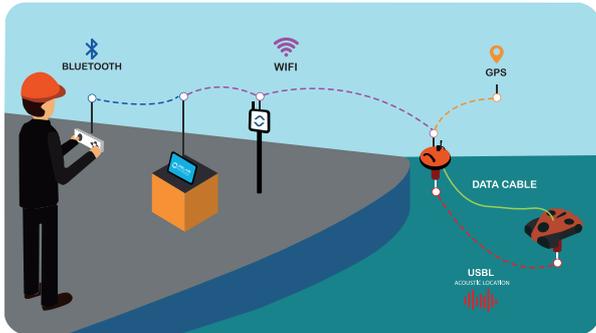


SEASAM

NAVIGATOR

LONG RANGE DATA COLLECTION

- Seasam Navigator is a companion device to the Seasam Origin Drone, and can also be used independently.
- In companion mode, it expands the horizons of what can be done with an underwater ROV.
- Used as an independent buoy, it creates plenty of new opportunities for easy-to-deploy maritime applications.



Seasam Navigator can be used as a long-range WiFi relay for the Seasam ROV.

When used with its USBL add-on, it is also able to provide precise underwater location relating to the ROV position.

USE CASES

1 - ROV SURFACE RELAY BUOY

Extend the reach of your ROV inspection capability with high bandwidth, over-the-air connection to its ground station, up to 300 meters from the operator.

- **Removes the need for a boat** when inspecting near-shore, lakes, pools, etc.
- **Reduces the presence of tether cable in water** for increased security and less disruption of surrounding operations.



2 - DATA GEOLOCALISATION & WAYPOINT NAVIGATION

Geolocate your underwater findings thanks to surface GPS, combined with underwater location of your Seasam ROV.

- **Real time GPS** location of SeasamNavigator and Seasam Origin Drone in pilot application.
- Display of Navigator/Drone **course and covered area**.
- Drop pins to record, **retrieve and report the location** of areas of interest easily.



3 - PROPELLED & AUTONOMOUS

With 3 propellers and built-in autonomous capability, Seasam Navigator is an independant surface vehicle able to support Seasam Origin drone's missions, or carry its own.

- Independant piloting through the Seasam app.
- Autonomous position keeping at surface
- Waypoint navigation
- 2kgs payload



SEASAM NAVIGATOR

TECHNICAL SPECIFICATIONS

Dimensions	400x400x325mm
Weight	3.8kg
Payload capacity	2kg
WiFi range	300m
Battery type	Lithium
Autonomy without / with motorization	2h / 8h
Connector type	Bulgin 4000 Series Buccaneer
Maximum nominal speed	1 knot
Current resistance	1 knot
Drone connection cable length	10, 30, 50, 70 & 100m
Groundstation dimension / weight	1,7m / 1.1kg
GPS position accuracy	1m diameter
GPS position accuracy with RTK option	2cm

INTEGRATED 3rd PARTY ACCESSORIES

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

EXTERNAL SENSORS

- USBL: allows more precise localization of the drone underwater
- Bathymetric sensor : allows the creation of a bathymetry of a basin / marina

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