



Bayonet Autonomous Underwater Ground Vehicle

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## Autonomous Underwater Ground Vehicle in Over-The-Horizon Operation Demonstration at Ocean Business

Bayonet Ocean Vehicles and Greensea Systems to demonstrate their latest technologies at Ocean Business, 18 – 20<sup>th</sup> April 2023, National Oceanographic Centre, UK

**Plymouth, MA, 28th March 2023** – Bayonet Ocean Vehicles (Bayonet) will be demonstrating the Bayonet 250 autonomous underwater ground vehicle during its first UK demonstration at Ocean Business. This demonstration will

include showing the vehicle's autonomous capability, and over-the-horizon command and control technology provided by fellow exhibitor Greensea Systems, Inc. (Greensea).

Based in the USA, Bayonet vehicles come in three sizes, the Bayonet 150, 250, and 350, for increased scalability. The modular set up allows quick and easy vehicle configuration with a wide range of sensor payloads. This adaptability makes them a powerful tool for use in a range of industries, including offshore oil and gas, marine renewables, maritime security and defence, marine salvage, science and engineering. During the demonstration, Bayonet will show the features of the Bayonet line of vehicles including portability, payload capability, and ease of operation.

The Bayonet crawlers are built on OPENSEA, a fully open architecture operating platform, from marine robotics technology specialist, Greensea. Running on this state-of-the-art software, the crawlers offer the most stable and adaptable operating system in marine robotics. Vehicle operators benefit from improved operation, accuracy through precise navigation, vehicle autonomy, component and payload integration, and over-the-horizon command and control.

The extensive feature list lets them perform a range of tasks including: surveys for nearshore, geophysical and geotechnical marine surveys, inspection and maintenance activities, environmental monitoring of the seafloor, beach zone, rivers and marshes, coastal dredging support, or littoral warfare, such as mine detection and clearance.

“We are excited to be offering visitors to Ocean Business a live interactive experience with the Bayonet 250, while also showcasing Greensea's Safe C2 over-the-horizon command and control, allowing for the vehicles to be operated from any location.” said Rob Howard, CGO Greensea.

Nick Hartman, VP Strategy and Growth, and General Manager of Bayonet Ocean Vehicles went on to say; “It is amazing to see the technology integrate between software and hardware, and give an operator the ability to perform job specific tasks, with no risk or harm to themselves.”

Bayonet will be operating the Bayonet 250 crawler in the hospitality area HS04 remotely from Greensea's Stand L13. Both teams will be available to share details on the autonomous underwater ground vehicles, and how the

open architecture platform improves safety and productivity in robotic operations, helping you get your mission accomplished.

Ends

**Locations at Ocean Business:** Bayonet – HS04 | Greensea – L13

**Included:** Bayonet Ocean Vehicles – Vehicle Specification Document

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## **About Bayonet Ocean Vehicles**

Bayonet Ocean Vehicles manufactures a range of autonomous underwater ground vehicles that are capable of transitioning from the beach into the surf zone and into deep ocean. They can perform a variety of tasks in any of these environments, making them a powerful tool for operators working in multiple marine disciplines. Powered by Greensea Systems, Inc. OPENSEA software platform, these amphibious tracked vehicles have a range of applications,

including mine countermeasures and explosive ordnance disposal for the military, as well as beach survey and restoration, surf zone search and rescue, and offshore wind survey.

To learn more about Bayonet Ocean Vehicles, visit [bayonetocean.com](http://bayonetocean.com)

## About Greensea Systems

Greensea Systems, Inc. was founded in 2006 to design and create a commercially available open architecture software platform to break down siloed technology in the AUV and ROV environment. The resultant open architecture software, OPENSEA® with its central library software suite, is the most powerfully integrated control and navigation technology available in the market today that is easy to use, easy to maintain, robust, and portable.

The company works with leading OEMs throughout the world providing the OPENSEA platform on hundreds of installations to the offshore and military industries.

To learn more about Greensea Systems, visit [greensea.com](http://greensea.com)

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