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Greensea Demonstrates Successful UXO Survey to Locate Buried Munitions

This release was originally issued on 21st June 2023 by Greensea Systems, Inc. prior to the company being merged into Greensea IQ on 1st September 2023. The content remains relevant and factual.

Plymouth, MA, USA, 21st June 2023 – Greensea Systems, Inc. (Greensea), a leading provider of advanced robotics solutions, is pleased to announce the successful demonstration of a mission to locate buried munitions in the surf

zone.

This UXO survey demonstrated the power and flexibility of OPENSEA to rapidly integrate and deploy a new sensor suite for the task while showcasing the capabilities of the Bayonet 250 AUGV, which was selected as a finalist in The Defense Innovation Unit's (DIU) Autonomous Amphibious Response Vehicle (A2RV) program's rapid prototyping phase. Out of 67 proposals, the Bayonet 250 crawler prototype, developed in partnership with Greensea, was chosen for its exceptional performance and potential to detect, identify, and neutralise naval mines and other explosive hazards in the challenging surf and beach landing zones.

Operating over 8 days and covering 18 square kilometers in depths of up to 10 feet, amidst wave heights of 4-6 feet in the challenging surf zone, the Bayonet 250 provided a stable and reliable platform for conducting the survey that included a towed sled equipped with White River Technology's (WRT) marine APEX technology, seamlessly integrated into Greensea's software platform, OPENSEA.

The rapid integration of the sensor sled facilitated the detection and classification of objects, with a buried depth of up to 3 meters based on material composition.

"We are very excited about the recent success of crawler-based 3DEM sensing for advanced geophysical classification of munitions in the most challenging environments like surf zones", says Greg Schultz, Chief Technology Officer for WRT. "The combination of autonomous amphibious crawlers, like the Bayonet units, and the WRT APEX dynamic electromagnetic classification arrays, appear ready to go where divers and towed systems have not been able to in the past".

David Pearson, Program Manager at Greensea, expressed his satisfaction with the successful mission demonstration, stating: "The success of this program and our ability to operate effectively in the challenging surf zone environment is a testament to the strength of our team and our commitment to innovation. By quickly integrating a new sensor for buried UXO and munitions, mobilising an operations team, and collecting data in demanding conditions, we have demonstrated our capability to locate and address explosive hazards in one of the most dynamic and challenging operational environments. This achievement showcases Bayonet, Greensea, and our

partner's expertise to make the impossible possible. Positioning us as the trusted partner in providing solutions for maritime and underwater operations from the beach to the deep."

Throughout the mission, the Bayonet 250 successfully identified buried targets based on burial depth and signal signature, highlighting its ability to detect and identify explosive hazards in both the surf and on beach landing zones. The collaboration between Greensea, Bayonet, and White River Technology, resulted in an exceptional demonstration that further solidified their position as industry leaders in marine and underwater operations.

For more information about Greensea and Bayonet's advanced robotics solutions for UXO operations, please visit <https://bayonetocean.com/>

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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 a 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, visit www.greensea.com or call +1.802.434.6080

About White River Technologies

White River Technologies, Inc (WRT) is a geophysical technologies company located in New Hampshire and Massachusetts with a global reputation as leaders in the application of technology for marine munitions and infrastructure applications. WRT is an ISO-17025 certified organization under the US DOD Advanced Geophysical Classification Accreditation Program (DAGCAP) offering the APEX 3DEM sensor array, EMClass software suite, and approved quality services for munitions classification support.

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