GREENSEA

Greensea's open architecture software platform OPENSEA®   expands the horizons for marine robotics

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Greensea's open architecture software platform OPENSEA®   expands the horizons for marine robotics. Oceanology International, Booth H551

Richmond, VT. Tuesday 15thMarch 2022 - Marine robotics technology specialist Greensea is seeing a substantially increased interest in its open architecture OPENSEA® software platform, already widely acclaimed as the most advanced robotics technology framework the maritime industry has to offer. The company is exhibiting at the forthcoming Oceanology International

at Excel, London from Tuesday 15th to Thursday 17thMarch 2022.

Developed and constructed by Greensea's professional team of robotics, electrical, systems, and software engineers in collaboration with cross-manufacturer partnerships, the OPENSEA platform integrates vehicles, equipment, and sensors into a single robotic system. To date, this holistic solution is being used as the basis for more than 2,000 systems across the subsea, surface, manned and unmanned sectors.

OPENSEA mitigates technical risks and developmental costs. Its purchasers know they're investing in a tough, adaptable, and well-proven foundation – flexible and functional open architecture software upon which they can leverage their technologies and products instead of throwing considerable amounts of money and time at building a completely new system. Greensea also supplies the OPENSEA Software Development Kit (SDK) which helps developers to configure and customize OPENSEA to their own requirements; the platform's distributed framework isolates IP details so that partners can maintain the privacy of their developments.

With industry-leading OEMs including VideoRay (manufacturer of underwater ROVs), Klein Marine Systems (manufacturers of maritime surveillance and security solutions) and innovators such as Ocean Power Technologies, Greensea is proud to confirm that its strategic partners are deploying OPENSEA as the foundation for exciting and innovative emerging technologies. This year alone, OPENSEA is being used as a trusted and stable bedrock for ongoing projects including untethered ROVs, long-range command and control functionality, and resident robots.

As a vehicle- and sensor-agnostic system, OPENSEA's modular, open, flexible, and scalable software is applicable in a broad variety of contexts. It is currently at the heart of integration and control solutions for vehicles such as ROVs, AUVs, USVs, submarines and workboats, as well as sensors including altimeters, magnetometers, compasses and fluorometers. The OPENSEA platform also integrates with equipment ranging from cameras and data recorders to joysticks, winches, and LARS hardware – the launch and recovery systems used to safely and rapidly transfer subsea apparatus and commercial divers to and from the water.

Greensea's Evergreen Program is a subscription based program providing major software updates for the life of the subscription, ensuring that the

vehicle is prepared for future hardware updates and technology enhancements. Customer input from the OPENSEA community is vital to keeping the platform updated and expanding its capabilities: Greensea's engineers spend on average around 30 days offshore every year (or the equivalent via remote technologies) working with operators, acting upon their feedback to introduce new sensors, components, and functionalities. The company's four-part service plan ensures that customers are not only fully supported, but also encouraged to engage closely with Greensea staff as a means of engendering further product improvements. Customizable support packages accommodate everything from multi-day deals to full-service, fee-based plans.

The OPENSEA platform reinforces Greensea's conviction that the future trajectory of the maritime industry will encompass an increased adoption of small, nimble, and cost-effective subsea and surface vehicles. OPENSEA's scalable, open-architecture software will underpin integrated systems for navigation and localization as well as control and autonomy, providing operators with a straightforward and intuitive human-machine interface for supervising the vehicles.

For more information about OPENSEA, visit Oceanology International at Excel, London or visit www.greensea.com

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