

OpenSEA Suite for AUVs and ROVs

Greensea Systems, USA, has launched a commercially packaged software suite for AUVs and ROVs based on the company's Open Software and Equipment Architecture, openSEA. Greensea also released a Software Development Kit to support integrators developing with the openSEA API or integrating with the openSEA Suite applications. These new products will be available for shipment starting in July 2013.

The openSEA Suite, a collection of applications built on the openSEA core library, provide off the-shelf modular software solutions for aided inertial navigation, vehicle control, mission management, device and sensor integration, and operator interfaces. Based on a code base of tested technologies from over 200 deliveries, the openSEA Suite offers thousands of hours of at-sea experience on ROVs and AUVs of all sizes.

Greensea's primary business interest is control and navigation software for AUVs and ROVs. The company anchors its navigation and control technology with the Open Software and Equipment Architecture, openSEA. Greensea began development of openSEA in 2006 specifically as a modular programming environment for unmanned vehicles. This flexible and scalable architecture provides a development platform and a rich API upon which powerful independent applications may be developed with significantly reduced effort. openSEA is built on a robust error reporting and communication backbone and provides proven and tested software modules ranging from optimal control and Kalman filtering, to data management, and native support for hundreds of industry standard sensors and devices.

<https://www.hydro-international.com/content/news/opensea-suite-for-auvs-and-rovs>
