



FOR IMMEDIATE RELEASE:

Greensea System Utilized by Vulcan Inc. in USS Indianapolis Discovery

State-of-the-Art OPENSEA™ Operating Platform Provides Unified, Integrated System and Supervised Autonomy for Vulcan's ROV

Richmond, Vermont, USA – September 14, 2017



USS Indianapolis

Vulcan Inc., a Paul G. Allen Company, utilized state-of-the-art Greensea technology in their recent historic discovery of the USS *Indianapolis* at 5500m in the Philippine Sea. Greensea's proven OPENSEA™ universal marine industry operating platform provided a unified, integrated system and supervised autonomy for the Vulcan ROV during its mission to confirm and document the wreckage of the WWII vessel.

"Greensea's OPENSEA control system is crucial to our success for extreme deep diving operations. Never before have I experienced an ROV control environment as unified, configurable or integrated as this one," said Robert Kraft, director of subsea operations for Vulcan. "Greensea has a solid, reliable product, and I consider them a valued asset to all of our subsea systems."

Greensea technology provided unprecedented control for the ROV and helped create operational efficiencies for the pilots. Cutting-edge features essential to streamlining the mission's operations included:

- An automated ascent and descent winch control system that allowed the pilots to set a desired vehicle depth and automatically descend or ascend to that level.
- An automated black box that turned on and off when the vehicle entered and exited the water, providing a comprehensive recording of the mission's telemetry data, for both the AUV and the ROV.
- Synchronized pilot and co-pilot chairs with touchscreen displays that supported simultaneous operation of lights, cameras, and hydraulics, while enabling vehicle control to be switched between pilots.
- A multi-vehicle user interface.



CNN coverage of the historic discovery

Watch USS INDIANAPOLIS LIVE – FROM THE DEEP, a live tour of the wreckage from the USS *Indianapolis* at www.PaulAllen.com.

www.businesswire.com/news/home/20170908005946/en/

For further information on the USS Indianapolis and other Vulcan projects, please visit the following websites: www.paulallen.com and www.vulcan.com.

ABOUT GREENSEA SYSTEMS, INC.

Greensea is a leader in intelligent marine robotic systems that increase operator productivity through the integration of navigation, control, and user-interface products powered by their patent-pending OPENSEA™ operating platform. Using the Greensea system, the marine industry now has a distributed, networked framework for complex robotic environments that streamlines workflow and increases productivity. Since opening in Richmond, Vermont in 2006, the company has successfully installed Greensea systems on over 700 manned, unmanned, surface, and subsea vehicles. Greensea offers commercially-available navigation, control, and user-interface products, as well as customized applications for original equipment manufacturers such as Teledyne Marine, VideoRay, STIDD, NAMJet, and more. To learn more, visit www.greenseainc.com, find us on Facebook, or give us a call at +1 802 434 6080.

CONTACT

Marybeth Gilliam
Chief Marketing Officer, VP Sales
Greensea Systems, Inc.
1.802.434.6080
info@greenseainc.com
www.greenseainc.com