



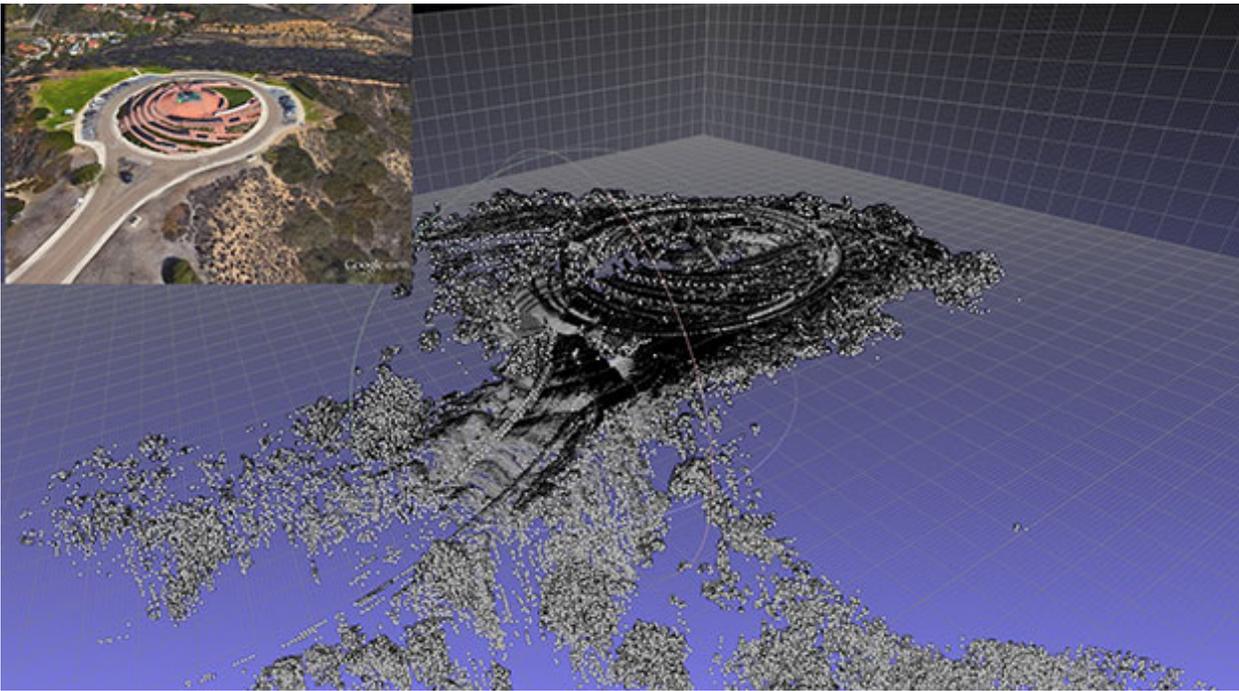
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## [Geodetics Teams with Velodyne for Real-Time Mobile Mapping Systems](#)

May 7, 2015 - By [Geospatial Solutions Staff](#) [1 Comments](#)

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[Geodetics Inc.](#) has teamed up with Silicon Valley's [Velodyne Lidar](#). Velodyne and Geodetics will work on a variety of initiatives to enhance each others technologies and products with the goal of offering a small-size integrated inertial navigation and LiDAR-based mobile mapping payload for UAVs and other autonomous platforms.

Payloads will include Velodyne's HDL-64E, HDL-32E and VLP-16 real-time LiDAR systems combined with Geodetics' Geo-iNAV inertial navigation systems.

Geodetics and Velodyne are exhibiting this week at AUVSI's Unmanned Systems Show in Atlanta, being held May 4-7 (booth 1500J and booth 2838 respectively). See our [show coverage page](#) for more information.

Velodyne's LiDAR sensors are the highest performance LiDAR systems on the market in their size, weight and power class. Geo-iNAV is a fully-integrated GPS-aided inertial navigation system that provides real-time, high-precision positioning and navigation for manned and unmanned air, sea and ground vehicles. It combines GPS and proprietary sensor fusion technologies to achieve centimeter-level real-time positioning and navigation for dynamic platforms.

"We're delighted to work with Geodetics to ease the integration process for our customers," said David Oroshnik, Technical Sales Engineer, Velodyne LiDAR. "Our decision to support Geodetics is based upon the growing demand for cost-effective, small-sized, fully-integrated mobile mapping payloads that deliver performance traditionally associated with higher-end systems."

"Velodyne's LiDAR systems enable Geodetics' products to reach new markets and customers by delivering high performance in a smaller package and for a lower cost than competing devices," said Lydia Bock, Geodetics president and CEO.

With recent advances in unmanned vehicle technologies, the GNSS ecosystem has expanded to support such mission-critical applications as mobile mapping. These applications increasingly require more accurate navigation to accomplish their mission. The Geo-iNAV family of inertial navigation products delivers this capability with features that support reliable and precise navigation with a low SWaP (size, weight and power) profile for autonomous vehicles and payloads on manned vehicles.

Geo-iNAV is offered in several configurations designed to meet a wide range of requirements. It is available in commercial as well as SAASM configurations, meeting a wide range of inertial navigation application

requirements.

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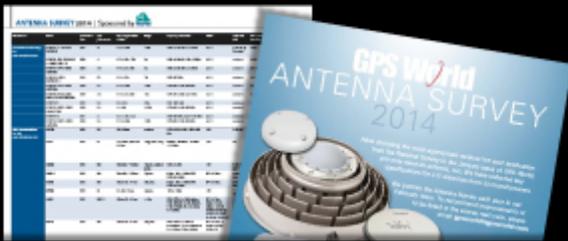
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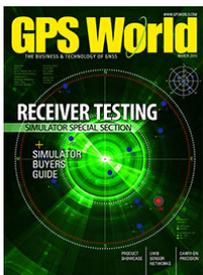


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