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Orca Maritime Uses SonarWiz to Survey Marinas and Boat Repair Facilities

Iver3 AUVs with EdgeTech 2205 conducted night surveys of several marinas to identify the optimal passage and berth for deep draft vessels

Mountain View, CA – (April 2018) Orca Maritime is a long-time customer of Chesapeake Technology, Inc (CTI) and has some of the earliest SonarWiz licenses. Orca recently contacted CTI to inform them of several successful surveys. "Your customer support has been exceptional, and we would like to share a couple of recent projects that included use of SonarWiz," said Nate Novak, Geospatial Technologies Manager, Orca Maritime.

The first project included a survey of Marine Group Boat Works (MGBW), a full-service boat and superyacht refit and repair facility. Side scan and bathymetric surveys of the MGBW yards were completed using an Iver3 AUV equipped with an EdgeTech 2205 sonar. The survey was conducted with boats tied to the docks and no interruption to regular business for either boatyard.

Each site presented a complex area with infrastructure and boats hulls to survey around and under. The AUV, equipped with an INS essential for underwater nav accuracy in tight quarters, was able to run at depths optimal for the range and frequency needed to maximize coverage and data resolution. Story and images here.

"SonarWiz has been key in our post-processing workflow and will continue to be an integral part of how we supply quality products to both our commercial and government clients," continued Mr. Novak.

Another recent project included surveys of three local San Diego marinas and their approaches from the main channel using an L3 OceanServer Iver3. Each area was surveyed at night to deconflict with both pleasure and commercial vessel traffic. These surveys provided the client with imagery and depth values on three possible locations for passage and berthing of a deep draft vessel. Side scan sonar and bathymetric sonar were collected by the INS-equipped AUV at the same time during each mission, providing co-registered data and improved efficiencies. Read more here.

Mr. Novak closed with "We appreciate all of your assistance and look forward to your continued tradition of excellent post-processing products."

Orca Maritime, Inc. was established in 2006 by Kurt Nelson and Anthony Rodgers, two retired US Navy Explosive Ordnance Disposal experts with extensive experience in underwater operations, including mine warfare, diving, and sonar mapping. Their use of AUV's and other sensor systems in real word missions while in the Navy provides a strong operational foundation at Orca Maritime.

Chesapeake Technology, Inc. is a privately held company based in Mountain View CA. SonarWiz software is used by hundreds of clients worldwide, including NOAA, USGS, Fugro, Oceaneering; leading academic institutions including Scripps, UCSD and University of Delaware; and many of the world's navies.

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