



Anti-Submarine Warfare Continuous Trail Unmanned Vessel Under Construction, At-Sea Testing Expected by 2015

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RESTON, Va., July 7, 2014 /PRNewswire/ -- An autonomous unmanned vessel designed to track quiet diesel-electric submarines spanning miles of ocean depths for months at a time with minimal human input is now under construction and is expected to set sail for testing in 2015. [Leidos](#) (NYSE: LDOS), a national security, health and engineering solutions company, has begun construction on ACTUV (Autonomous Continuous Trail Unmanned Vessel) under a Defense Advanced Research Project Agency (DARPA) program for the design, development, and construction of a vessel originally conceived for an anti-submarine warfare mission.

"ACTUV's advanced sensor technology should allow for continuous surveillance which, combined with the vessel architecture and design, is expected to provide autonomous safe navigation supporting Navy missions around the world," said Leidos Group President, John Fratamico.



ACTUV carries other sensors and mission packages designed to allow it to conduct a variety of Intelligence, Surveillance and Reconnaissance and other alternate missions. With situational sensors that can ensure safe navigation, the ACTUV trimaran has electro optics, long range and short range radar.

"A cross-disciplinary Leidos team leveraged insights and innovation from across the organization to develop the concept of the autonomous unmanned vessel. It would help keep our troops out of harm's way and provide capability in more harsh

environmental conditions for a longer period of time," added Fratamico.

Maritime and hydrodynamic engineers designed the platform, and scientists and experts designed autonomy for safe navigation, status and health reporting, and sensor control and processing. Analytics experts programmed the logic for identifying other vessels and predicting their behavior.

Leidos received direction to start construction of the ACTUV from DARPA Program Manager Scott Littlefield at the conclusion of a Production Readiness Review held in February. Christensen Shipyard, Ltd. (CSL), is constructing ACTUV in Vancouver, Washington using non-traditional composite structures and modular construction techniques under supervision of Leidos and Oregon Iron Works (Clackamas, Oregon). CSL employs a lean manufacturing process with parallel work flow to complete ACTUV construction in approximately 15 months. ACTUV is scheduled to be launched on the Columbia River in 2015.

Maritime expertise at Leidos includes development of manned, low observable combat patrol craft, autonomous vehicles, payloads, and component development. Other capabilities include ocean science, phenomenology, advance modeling, and undersea simulation to support the development of ocean sensors, processing, and deployable system solutions. Leidos production facilities are located in Long Beach, Miss., Lynnwood, Wash., Sterling, Va., St. Petersburg, Fla. and Hawaii, with offices in Newport, R.I., Arlington, Va., Bowie, Md., Long Beach, Miss., Poulso, Wash., and San Diego, Calif.

About Leidos

Leidos is a FORTUNE 500® science and technology solutions leader working to address some of the world's toughest challenges in national security, health and engineering. The Company's 22,000 employees support vital missions for our government and the commercial sector, develop innovative solutions to drive better outcomes and defend our Nation's digital and physical infrastructure from 'new world' threats. Headquartered in Reston, Va., Leidos reported annual revenues of approximately \$5.77 billion for its fiscal year ended January 31, 2014 after giving effect to the spin-off of the company's technical services and information technology business. For more information, visit www.Leidos.com.

Statements in this announcement, other than historical data and information, constitute forward-looking statements that involve risks and uncertainties. A number of factors could cause our actual results, performance, achievements, or industry results to be very different from the results, performance, or achievements expressed or implied by such forward-looking statements. Some of these factors include, but are not limited to, the risk factors set forth in the company's Annual Report on Form 10-K for the period ended January 31, 2014, and other such filings that Leidos makes with the SEC from time to time. Due to such uncertainties and risks, readers are cautioned not to place undue reliance on such forward-looking statements, which speak only as of the date hereof.

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