Lockheed Martin Engineers Receive U.S. Navy Honor For Developing New Submarine Sonar System

Lockheed Martin engineers were part of an industry team that recently received the U.S. Navy's "Program Executive Office Integrated Warfare Systems (PEO IWS) Excellence in Engineering Award" for developing a new submarine sonar system that offers improved capabilities in the littorals.

The Low Cost Conformal Array (LCCA) is a new sail-mounted acoustic sonar system that was developed to provide enhanced tactical control for operations in coastal waters. The advanced development model LCCA system was installed on USS Cheyenne (SSN 773) in Pearl Harbor in March.

Lockheed Martin LCCA team members Bill Bradford, Brad Ransom and Howard Taylor were responsible for the system's inboard processing and displays, as well as meeting the U.S. Navy's aggressive cost and schedule requirements. They also provided technical and reliability enhancements that will add benefit to the entire Acoustic Rapid COTS (Commercial-Off-The-Shelf) Insertion (ARCI) system, which provides significant acoustic processing upgrades to the fleet of in-service submarines.

At the recent award ceremony, U.S. Navy Rear Admiral Michael Frick, PEO IWS, presented the Excellence in Engineering Award to the entire LCCA team, which included representatives from the Applied Research Laboratory at the University of Texas, the Naval Undersea Warfare Center and Stanley Associates, as well as the Lockheed Martin engineers.

"The LCCA team was commended for their rapid transition (three years) from concept to prototype; for their innovative application of new technology; and for their application and enhancement of the latest sonar processing and algorithms," said Pete Scala, LCCA project manager, who accepted the award.

Headquartered in Bethesda, MD, Lockheed Martin employs about 135,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

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