

Lockheed Martin Next Generation Missile Defense Sensor Technology Receives Prototyping Contract

Sensor prototypes to serve rapid capabilities need for U.S. Army's Lower Tier Air & Missile Defense Sensor competition

SYRACUSE, N.Y., Oct. 19, 2017 /PRNewswire/ -- The Department of Defense Ordnance Technology Consortium (DOTC) awarded Lockheed Martin (NYSE: LMT) a contract for the technology maturation of [Lower Tier Air & Missile Defense Sensor \(LTAMDS\) prototypes](#).

[DOTC](#), commissioned by the Under Secretary of Defense for Acquisition, Technology and Logistics, is a DoD initiative intended to facilitate collaboration between the government, industry and academia for technology development and prototyping. The funding from DOTC is used for technology development efforts that will further define performance requirements, mature technology and reduce risk for the LTAMDS program.

"Receiving DOTC funding is indicative of the rapid capability need the LTAMDS will fill for the U.S. Army," said Mark Mekker, director of next generation radar systems at Lockheed Martin. "Lockheed Martin is ready to leverage our significant experience, Active Electronically Scanned Array (AESA) technology and sensor capabilities in the LTAMDS concept definition phase to accelerate much needed enhanced capability to the warfighter."

Lockheed Martin is using its AESA Radar for Engagement and Surveillance (ARES) prototype investment program to mature technology and capabilities necessary for the future LTAMDS mission. Combined DOTC funding and Lockheed Martin investment will continue to mature technology for the prototype, including AESA and dual-band technology. The prototype will include mature Gallium Nitride (GaN) transmitter technology and advanced signal processing techniques including Lockheed Martin's proven 360-degree rotational capability.

"Technology is maturing at such a pace that continuing to incrementally upgrade the heritage Patriot MPQ-65 radar system is no longer the most efficient and cost effective option," said Mekker. "A next generation LTAMDS radar will leverage recent advances in radar technology to provide a cost effective, scalable, long term solution that can address current threats and adapt to emerging and future threats."

Lockheed Martin has developed and produced ground based radar systems for more than 40 years, and our latest open-architecture prototype leverages building blocks from several other successful radar products, including the Q-53, Long Range Discrimination Radar and Space Fence. Lockheed Martin's low-risk solution is based on decades of development, backed by demonstrable technology and will be the first sensor specifically designed to operate within the Army Integrated Air & Missile Defense (IAMD) framework.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 97,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

SOURCE Lockheed Martin

Additional assets available online: [Photos \(1\)](#)

<https://news.lockheedmartin.com/2017-10-19-Lockheed-Martin-Next-Generation-Missile-Defense-Sensor-Technology-Receives-Prototyping-Contract>