

Lockheed Martin's Missile Defense Laser Concept Continues Toward Development

Laser and Beam Control System Designed to Intercept Enemy Missiles During Boost Phase

SUNNYVALE, Calif., Oct. 30, 2018 – The Missile Defense Agency awarded Lockheed Martin (NYSE: LMT) a nine month, \$25.5 million contract extension to continue development of its Low Power Laser Demonstrator (LPLD) missile interceptor concept. This program, awarded Aug. 31, builds on a [2017 contract](#) to develop an initial LPLD concept.

Lockheed Martin's LPLD concept consists of a fiber laser system on a high-performing, high-altitude airborne platform. LPLD is designed to engage missiles during their boost phase — the short window after launch — which is the ideal time to destroy the threat, before it can deploy multiple warheads and decoys.

Over the course of this contract, Lockheed Martin will mature its LPLD concept to a tailored critical design review phase, which will bring the design to a level that can support full-scale fabrication.

"We have made great progress on our LPLD design, and in this stage we are particularly focused on maturing our technology for beam control – the ability to keep the laser beam stable and focused at operationally relevant ranges," said Sarah Reeves, vice president for Missile Defense Programs at Lockheed Martin Space. "LPLD is one of many breakthrough capabilities the Missile Defense Agency is pursuing to stay ahead of rapidly-evolving threats, and we're committed to bringing together Lockheed Martin's full expertise in directed energy for this important program."

Lockheed Martin expands on advanced technology through its laser device, beam control capabilities, and platform integration – ranging from internal research and development investments in systems like ATHENA to programs such as LANCE for the Air Force Research Laboratory.

Continued LPLD development will take place at Lockheed Martin's Sunnyvale, California campus through July 2019.

As a proven world leader in systems integration and development of air and missile defense systems and technologies, Lockheed Martin delivers high-quality missile defense solutions that protect citizens, critical assets and deployed forces from current and future threats. The company's experience spans directed energy systems development, missile design and production, hit-to-kill capabilities, infrared seekers, command and control/battle management, and communications, precision pointing and tracking optics, radar and signal processing, as well as threat-representative targets for missile defense tests.

For further information about Lockheed Martin's laser system capabilities, visit www.lockheedmartin.com/directedenergy.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 100,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. This year the company received three Edison Awards for ground-breaking innovations in autonomy, satellite technology and directed energy.