Lockheed Martin Targets Emerging Technology And Techniques As The Future Of U.S. Missile Defense Agency's C2BMC System

Hypersonic defense, ballistic missile defense, and cruise missile indication and warning capabilities lead the way to a more secure future

COLORADO SPRINGS, Colo., May, 9, 2023 – Lockheed Martin (NYSE: LMT), the lead contractor for the U.S. Missile Defense Agency's (MDA) Command and Control, Battle Management, and Communications (C2BMC), is developing next generation technology that aims to further upgrade the system. Lockheed Martin plans to enhance C2BMC networking, data analysis and recommended actions through the integration of hypersonic defense, ballistic missile defense and cruise missile indication and warning.

"As part of Lockheed Martin's 21st Century Security vision, C2BMC delivers unparalleled speed, accuracy and coordination among partner and ally systems," said Amr Hussein, vice president of C4ISR Systems for Lockheed Martin. "Through new technology and upgrades, our cross-industry team of defense and commercial partners applies constant and considerable ingenuity to ensure C2BMC continues to evolve as our customer's missions evolve and increase in complexity."

C2BMC, which is operationally-fielded across 17 time zones in 33 locations, features more than 48,000 miles of communication lines that combines all sensors and threat data into a seamless missile defense architecture.

Lockheed Martin is shaping the future of homeland defense by integrating or enhancing global capabilities.

- **Enhanced Global Integration**

Embracing the DoD's vision for identifying, organizing and delivering fully-integrated capabilities, the future of C2BMC provides an architectural hub for air, land, sea, and space sensor interoperability. Additionally, increased situational and space domain awareness will improve seamless connectivity between space and non-space assets.

- **AI/ML Battle Management Aids**

Using the most advanced techniques, C2BMC optimizes automation through artificial intelligence (AI) and machine learning (ML). These smart technologies improve the ability to detect, track, target, engage and assess emerging threats. Using minimal resources, AI/ML rapidly calculates requirements for maximum coverage and could potentially save time, resources and lives.

- **Cruise Missile Defense**

To overcome challenges presented by low attitude cruise missiles, C2BMC will use advanced sensor data to detect cruise missiles earlier, allowing more time to defeat the threat.

- **Hypersonic Defense**

As hypersonic technology becomes more readily available – high-speed, agile weapons that historically are difficult to defend against – the urgency for hypersonic defense is higher than ever. Through hypersonic defense integration, the next generation of C2BMC will expand current and future capabilities to plan for, track and process these threats.

- **Ballistic Missile Defense**

C2BMC is integral in defending our nation from ballistic missiles that threaten U.S. security. Enhanced tracking information, from sensors to weapon systems, will allow C2BMC to manage extremely complex missile defense engagements through a layered missile defense architecture.

For additional information, visit our website: www.lockheedmartin.com/c2bmc.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 116,000 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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