Lockheed Martin Unveils Advanced Air-Space Integration Lab

World-Class Facility to Further Horizontal Integration Within Joint C4ISR

Lockheed Martin today unveiled its new HI-Vision Air-Space Integration Lab, a state-of-the-art development and integration facility designed to enable collaboration with customers and industry partners for future advancements in Joint command and control (C2) across air and space domains. The lab draws on the full range of Lockheed Martin's experience in space command and control and air combat technologies and operations -- from strategic and theater-level C2 systems to cockpit-centric mission management technology. It offers complex analytical, experimentation, and simulation capabilities to address future warfighting system challenges.

"We are focusing our resources within Lockheed Martin to help address our customers' increasing requirements for horizontally integrated, network- centric solutions," said Al Smith, Executive Vice President, Lockheed Martin Integrated Systems and Solutions business area. "The key to our approach with this facility and our other integration efforts is collaboration -- with our customers and industry partners, and with subject matter experts across our Corporation."

Modeled after a functioning Air Operations Center, The HI-Vision lab creates a collaborative environment where military and industry personnel will address current and future architectural challenges to achieve greater synergy across air and space go-to-war C2 systems. The lab will serve as an integration proving ground for a wide range of current and future systems, including the C2 Constellation, Theater Battle Management Core Systems (TBMCS), E-10A Battle Management Command and Control (BMC2), Integrated Space Command and Control (ISC2), Distributed Common Ground Station (DCGS), and Missile Defense National Team efforts.

HI-Vision is a Lockheed Martin-led horizontal integration initiative to deliver more warfighting impact by transforming the crucial flow of information and data across the battlespace into faster, better decision making. A multi-million dollar research and development effort, HI-Vision draws on the breadth and depth of Lockheed Martin's integration experience to bring effects-based advantages of horizontally-integrated information to the battlefield.

The HI-Vision lab is the central C2 node in Lockheed Martin's Global Vision Network (GVN), a nationwide network of facilities and professional expertise that enables collaborative integration work across air, space, maritime and ground systems. The GVN applies the full spectrum of capabilities from across Lockheed Martin to research and develop network- centric systems and concepts, and will enable collaboration with multiple government and industry partners.

"With the HI-Vision lab and the GVN, we're accelerating the development of advanced systems and delivering new command and control capabilities that warfighters can put to use immediately," said Lorraine Martin, Vice President, Theater C2 Systems, Lockheed Martin Mission Systems. "Our customers expect us to help them define the integrated air and space C2 architectures and concepts of operation that will drive the vision of tomorrow's 'battlespace internet.' The HI-Vision lab is a key aspect of our industry-wide effort to help them realize that vision in a Joint C2 environment."

Lockheed Martin is currently integrating its prototype E-10A BMC2 system into the lab, giving the company the opportunity to create a BMC2 solution that functions seamlessly with the Air Operations Center and the C2 Constellation architecture.

The HI-Vision lab is co-located in Colorado Springs with the industry development teams for TBMCS, ISC2, DCGS and BMC2.

Headquartered in Bethesda, Md., Lockheed Martin employs about 125,000 people worldwide and is principally engaged in the research, design, development, manufacture and integration of advanced technology systems, products and services. The corporation reported 2002 sales of $26.6 billion.

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