Lockheed Martin Develops Advanced Visualization Training Tool For Apache Flight Line Maintainers

Employee suggestion improves innovative training tool

ORLANDO, Fla., June 11, 2019 /PRNewswire/ -- Lockheed Martin (NYSE: LMT) has launched the latest version of RELY3D®, an advanced visualization and training tool for Apache AH-64 sensor system maintainers.

RELY3D originated from an employee idea to improve maintenance efficiency through interactive training content. The tool leverages capabilities from popular commercial gaming technology to transform training into advanced visualization modules, reducing training time by up to 60 percent.

"RELY3D is an invaluable tool for our new employees who are just learning about our sensors, as well as field maintainers. With this tool, maintainers can troubleshoot and perform maintenance on the flight line, dramatically reducing cost and increasing system availability," Lockheed Martin Apache Fire Control Program Director Matt Hoffman said. "As the industry pushes to advance training capabilities, we continue to innovate advanced technology and deliver affordable solutions for the Apache aviation community."

RELY3D reduces maintenance and repair time through its intuitive interface on the Apache Modernized Target Acquisition Designation Sight and Pilotage Night Vision Sensor (M-TADS/PNVS) and LONGBOW® Fire Control Radar (FCR) systems by placing high fidelity, technically accurate 3-D models into the hands of maintainers via a mobile tablet or laptop. The tool is also being developed for use on other rotary and fixed-wing aircraft sensors and weapons systems.

M-TADS/PNVS provides Apache helicopter pilots with long-range, precision engagement and pilotage capabilities for mission success and flight safety during day and night, and in adverse weather conditions. To date, Lockheed Martin has delivered more than 1,400 M-TADS/PNVS systems and spares to the U.S. Army and 16 international customers in 15 nations.

LONGBOW® FCR, developed by the LONGBOW Limited Liability Company (LBL) – a joint venture of Lockheed Martin and Northrop Grumman – automatically searches, detects, locates, classifies and prioritizes multiple moving targets to 16km, or stationary targets, on land, on the water, or in the air, in clear or adverse weather, and in obscured battlefields – giving commanders the precision engagement capabilities necessary to win the battle. LONGBOW has delivered nearly 500 systems to the U.S. Army and 13 international customers in 12 nations.

Lockheed Martin also provides training and simulation systems for aircraft maintainers supporting numerous U.S. and international platforms including the C-130J, F-16, F-35, and basic flight training courses in countries such as Australia and the U.K.

For additional information, visit our website: www.lockheedmartin.com/RELY3D and watch our latest Talk Techy To Me episode featuring RELY3D.

About Lockheed Martin
Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 105,000 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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