Going Agile: Lockheed Martin Delivering Mission Capability For Rogue Blue Software Factory, Supporting U.S. Strategic Command

OMAHA, Neb., May 11, 2021 – In partnership with the U.S. Air Force, Lockheed Martin (NYSE: LMT), has assisted the **Air Force Life Cycle Management Center (**AFLCMC) in establishing the Rogue Blue Software Factory. This software development factory produces mission planning and command and control applications for the U.S. Strategic Command.

The Rogue Blue Software Factory supports the Global Strike and Product Support (GSPS) contract, which delivers nuclear command, control, and communications planning capabilities for the U.S. Strategic Command's mission planning and analysis system.

Working closely with the U.S. Strategic Command at Offutt Air Force Base, the Lockheed Martin GSPS team leveraged agile development, security and operations (DevSecOps) methodologies to establish 12 software pipelines across three different labs. The team also created a cloud-based agile environment that has expedited the delivery of capabilities from six months to two weeks.

"We used a novel microservice-patterned component architecture to break new ground on the use of containers at USSTRATCOM," said Colleen Saint, Lockheed Martin GSPS program manager. "This expanded the capability of the system to ensure it would provide needed legacy capability while complying with the newest technical and cybersecurity standards."

The new environment, which includes rapid development and automated testing, was used to field the Strike Planning Aid (SPA) 2.0 system, the replacement for the USSTRATCOM conventional SPA weaponeering system. The SPA 2.0 system provides an optimized conventional weaponeering system for USSTRATCOM and has been assessed as 85 percent more efficient for the weaponeering of kinetic options.

"Lockheed Martin has aligned processes to the Agile / DevSecOps vision and is a key teammate on the Agile path," said AFLCMC program manager Lisa Owens. "By establishing the new DevSecOps pipelines for GSPS application, Lockheed Martin supported the completion of 120 sustainment spring deliveries to field the Strike Planning Aid 2.0 system."

Lockheed Martin has more than 20 years of on-site experience supporting command and control systems for USSTRATCOM. This includes mission systems under the Computing Environment STRATCOM Architecture (CESAR), Integrated Strategic Planning and Analysis (ISPAN) architecture and integration and the GSPS programs.

For additional information, visit the Lockheed Martin Software Factory website.

About Lockheed Martin

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