Navy Selects Lockheed Martin, IFS to Deliver Intelligent Ship, Aircraft Maintenance

Lockheed Martin and IFS will deliver an intelligent maintenance product to the U.S. Navy to convert multiple legacy systems into a single logistics information system. *U.S. NAVY*

LONDON – The U.S. Navy has turned to global security and aerospace company Lockheed Martin and enterprise applications company IFS to deliver an intelligent maintenance product that will help power its digital transformation of multiple legacy systems into a single, fully modernized and responsive logistics information system. The system will ensure personnel spend more time focused on the mission and less on aircraft and ship repairs.

The IFS system comprises capabilities for planning and executing maintenance, repair, and overhaul of more than 3,000 assets including aircraft, ships, and land-based equipment. The Naval Maintenance, Repair, and Overhaul (N-MRO) product combines artificial intelligence (AI), digital twin capabilities and predictive analytics to anticipate and react to potential equipment failures before they happen, which will contribute to the enhanced support of maintenance, supply logistics, real-time fleet management and other business functions for more than 200,000 sailors.

Following a comprehensive and competitive evaluation process, the U.S. Navy selected Lockheed Martin together with IFS's acclaimed industry-specific functionality already used by some of the world's largest aerospace and defense organizations. With the added support of software developer Beast Code, the system will initially be fielded at multiple U.S. Navy sites

to help sailors and Marine Corps maintainers break down operational silos and work towards a common maintenance workflow across all ship and aircraft platforms.

The digital transformation of the U.S. Navy's maintenance systems will see a consolidation of assets and parts data in a central repository visualized to the users through an intuitive, mobile-friendly experience. This initiative will lead to increased data accuracy, streamlined workflows and ultimately less asset downtime and fewer unscheduled maintenance events. Enabling total asset readiness through N-MRO will ensure information is always readily available to help the U.S. Navy achieve its desired materiel readiness and operational availability objectives. For instance, Navy personnel will be empowered to document faults, request parts and report work completion at the point of maintenance, thereby reducing asset downtime while increasing data accuracy as an enabler of enhanced planning and procurement.

"Our goal is to provide capabilities that create real value across the Navy's complex, multi-site operations and optimize its mission-critical maintenance processes," said Reeves Valentine, Lockheed Martin vice president of Enterprise Sustainment Solutions. "We want to empower Navy personnel with tools that are easy and effective to use with intuitive interfaces, streamlined workflows and timesaving, intelligent features. IFS distinguished itself by providing all of these capabilities through a single, commercial-off-the-shelf solution."

Scott Helmer, president, Aerospace & Defense, IFS, added, "We are proud to be part of N-MRO, which will set a new global standard for total asset readiness and the way defense organizations manage asset maintenance and logistics, both ashore and afloat. A&D [aerospace and defense] has been a key focus industry at IFS for decades and this landmark deal stands as testament to the success of our long-term strategy

and determination. Working with Lockheed Martin and the U.S. Navy, we are already making great strides and look forward to a long and successful collaboration.”