Lockheed Martin Awards CAE Contract for MAD-XR for U.S. Navy MH-60Rs

MH60R Seahawks on the dock landing ship USS Oak Hill (LSD 51). U.S. Navy / Mass Communication Specialist 3rd Class Taylor A. Elberg

MONTREAL – CAE has been awarded a subcontract by Lockheed Martin to supply the CAE Magnetic Anomaly Detection-Extended Role (MAD-XR) system for United States Navy MH-60R Seahawk helicopters, CAE said in a Nov. 18 release.

CAE MAD-XR is a highly sensitive magnetometer designed to sense changes in the earth's magnetic field and is used as a sensor to detect submarines. Lockheed Martin Rotary and Mission Systems is the lead systems integrator for the U.S. Navy's MH-60R "Romeo" helicopter, the Navy's primary anti-submarine and anti-surface warfare helicopter.

Under terms of a Phase 1 contract from the U.S. Navy, Lockheed Martin has responsibility to integrate the CAE MAD-XR into the MH-60R helicopter. CAE will provide the MAD-XR system and support Lockheed Martin with non-recurring engineering and integration services. Initially, a total of six MH-60R helicopters will be integrated with the CAE MAD-XR during Phase 1.

"Over the past several years we have conducted several trials with the U.S. Navy to confirm the capabilities of the MAD-XR system on the MH-60R helicopter," said Thomas M. Kane, director, Naval Helicopter Programs, Lockheed Martin. "Adding this to the MH-60R's sensor suite will further advance the capabilities of the world's most advanced anti-submarine warfare helicopter."

The CAE MAD-XR is significantly more compact than previous MAD systems with reduced size, weight, and power requirements. This allows the CAE MAD-XR to be extended to smaller platforms such as unmanned aerial systems, helicopters and small fixed-wing aircraft.

“The integration of our MAD-XR system on the U.S. Navy’s MH-60R helicopter is testament to its powerful magnetic detection abilities,” said Daniel Gelston, group president, Defence & Security, CAE. “The MAD-XR system can provide defense forces with enhanced capabilities for operational missions such as submarine detection and search and rescue.”