Lockheed Martin Delivers HELIOS Laser Weapon System To U.S. Navy For Ship Testing And Integration

The Surface Navy Laser Weapon System (SNLWS) Increment 1, High Energy Laser with Integrated Optical-dazzler and Surveillance (HELIOS),Completes 2020 Milestones in preparation for integration onto an Arleigh Burke destroyer.



Artist's rendering of Lockheed Martin's HELIOS system. Image courtesy Lockheed Martin.

MOORESTOWN, N.J., JANUARY 11, 2021 – This year, the U.S. Navy will field the first acquisition program to deploy the High Energy Laser with Integrated Optical-dazzler and Surveillance, or HELIOS, a laser weapon system with high-energy fiber lasers for permanent fielding by the U.S. Department of Defense. This will be the only deployed laser system integrated into an operational Flight IIA DDG. This follows the Lockheed Martin (NYSE: LMT) and Navy's recent demonstration of full laser power in excess of the 60 kW requirement. The scalable laser design architecture spectrally combines multiple kilowatt fiber lasers to attain high beam quality at various power levels.

Lockheed Martin completed the Critical Design Review and Navy Factory Qualification Test milestones in 2020, demonstrating the value of system engineering rigor and proven Aegis system integration and test processes on the way to delivering operationally effective and suitable laser weapon system that meets the Navy's mission requirements.

Lockheed Martin Directed Energy solutions provide a proven, affordable, scalable, multi-mission capability and weapon architecture with advanced beam control and innovative fiber lasers that support size, weight and power constraints for air, sea and land platforms. Lockheed Martin is advancing and demonstrating a range of technologies to position laser weapon systems for success on the battlefield and at-sea on a variety of platforms.

For more information, visit: www.lockheedmartin.com/DE, HELIOS Feature Story and HELIOS overview.

About Lockheed Martin

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