

LOCKHEED MARTIN 



HELIOS

High Energy Laser with Integrated Optical-dazzler and Surveillance

HELIOS

UPGRADE FLEXIBILITY

- Increased High Energy Laser Power Levels
- Additional Combat System Integration
- Equipment Commonality

MULTI-MISSION CAPABILITIES

- 60kW+ High Energy Laser for Counter Fast Inshore Attack Craft (FIAC) and Counter UAS
- Long Range Intelligence, Surveillance, Reconnaissance (ISR)
- Counter UAS-mounted ISR (C-ISR) Dazzler

SHIP & COMBAT SYSTEM INTEGRATION

- Marinized Laser Weapon System
- 100% Structural Integration
- DDG Flight IIA Aegis Combat System Integration



FEATURES



60+ kW High Energy Laser (HEL)
Spectral Beam Combined Fiber Laser (SBCFL)



Beam Control Subsystem
Beam Conditioning & Control, Target Acquisition



Beam Director
Beam & Sensor Pointing, Marinized



ISR & Optical Trackers
Proven Algorithms & High Powered Optics



Thermal & Environmental Management Subsystem
HEL Refrigerant Cooling, Ship's Chilled Water & Clean Dry Air Distribution



System Control
Diagnostics, Fire Control



Power Module
Continuous Ship's Power Conversion



C-ISR Subsystem
Integrated Dazzler

**MORE THAN A LASER, HELIOS IS AN
INTEGRATED WEAPON SYSTEM**