

THE HELIOS SOLUTION

High Energy Laser with Integrated Optical-dazzler and Surveillance

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

Upgrade Flexibility

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

Ship and Combat System Integration

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



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, Marineized

ISR & Optical Trackers
Proven Algorithms & High Powered Optics

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

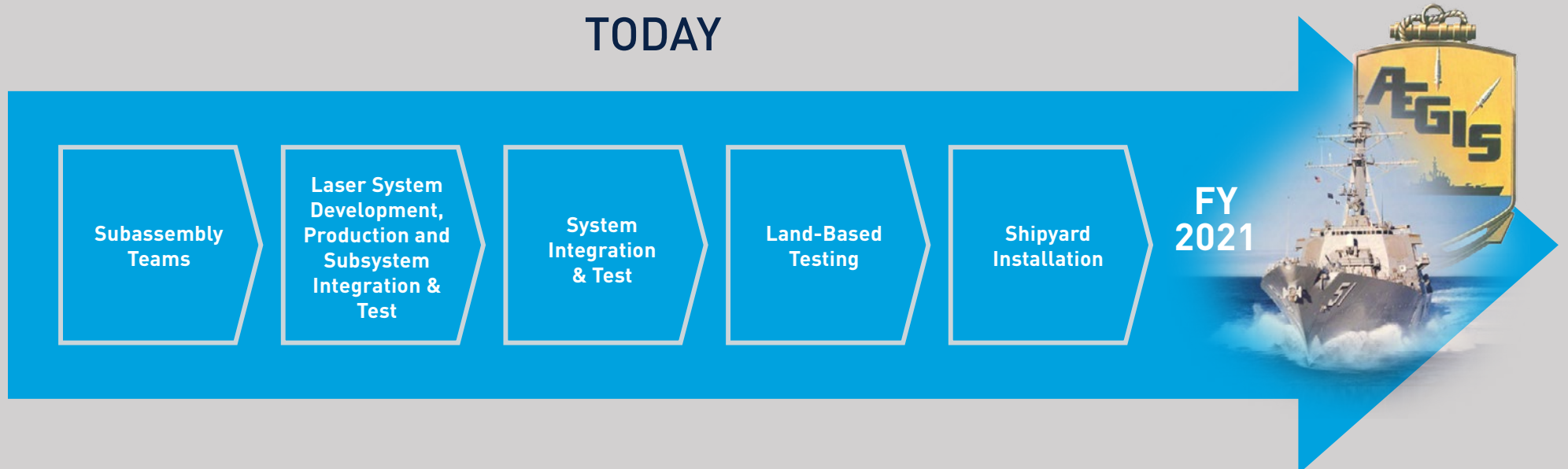
System Control
Diagnostics, Fire Control

Power Module
Continuous Ship's Power Conversion

C-ISR Subsystem
Integrated Dazzler



TODAY



More than a Laser, HELIOS is an Integrated Weapon System.

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