

LAYERED LASER DEFENSE (LLD)

Directed Energy
Laser Weapon Systems



Photo of completed LLD system.

Robust Directed Energy Risk Reduction For Multiple Applications

- Lockheed Martin corporate-funded LLD completed integration and began testing in 2020
- Planned for multiple mission risk reduction and concept demonstration efforts
- Facilitates Concept of Operations (CONOPS) and Concept of Employment (CONEMP) development and training
- Currently funded for further testing in 2021
- Follow-on configurations optimized for customer requirements

Capabilities:

- Modular, scalable Laser Weapon System ready for integration with customer platforms
- Comprehensive weapon, engagement and fire control ready for integration with customer Command and Control networks for Counter-UAS/RAM/FIAC/CM
- Variable HEL power optimized for shortest threat protection timelines
- Complements Kinetic Energy weapon systems

Advantages:

- Mature, high reliability LWS for extended deployments
- Rapid threat identification, confirmation and defeat
- Ideal for swarm threat protection
- Laser weapon system commonality for multi-platform and multi-user applications

Layered Laser Defense 100 kW-class Laser Weapon System

