

GLOBAL LEADER IN DEFENSE LASER SOURCES



Directed Energy-High Energy Lasers (DE-HELs) are an innovative, cost-effective solution for countering asymmetric threats such as rockets, artillery and mortars (C-RAM) and unmanned aerial systems (C-UAS). DE-HELs harness focused electro-optic energy rather than kinetic energy to damage, disable or destroy targets, offering several advantages over traditional countermeasures. Advantages include significantly lower cost per engagement (a few dollars vs. thousands or millions) and near-limitless magazine depth.

Leonardo offers disruptive capabilities to support DE-HEL systems, including MIL-rugged high-energy laser sources, illumination lasers, pointer trackers, and beam directors. The core technology is informed by thousands of laser systems and pointer trackers fielded by Leonardo in defense systems across multiple domains and platforms around the world.

Leonardo continues to innovate and advance DE-HELs technology to deliver reliable, cost-effective solutions that support the success of today's warfighter.

CAPABILITIES

- High-Power Laser Diodes
- High-Power Fiber Amplifiers
- Pointing and Tracking
- Target Illumination
- Beam Direction and Control

LASER DIRECTED ENERGY WEAPON COMPONENTS AND SYSTEMS

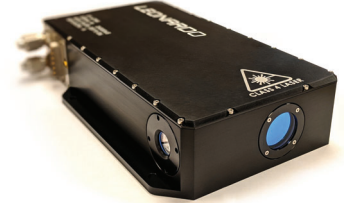
Leonardo manufactures MIL-rugged laser components and optical systems that form the backbone of DE-HEL systems. Semiconductor laser diodes, high-power fiber amplifiers, and target illumination sources are just a few of the capabilities produced by Leonardo.



High-Power Fiber Amplifiers



High-Power Laser Diodes



Illumination

DRAGONFIRE

DragonFire offers a powerful, cost-effective high-energy laser solution to counter asymmetric threats, providing essential short-range protection within modern layered air defense systems. Leonardo provides the Beam Director for the DragonFire DE-HEL system.



Leonardo Electronics US Inc.
7775 N. Casa Grande Highway
Tucson, AZ - 85743 - USA
520 744 5700
sales@leonardo.us

LDO_LEI24_00627 10-24



leonardo.us



uk.leonardo.com

