



Counter Drone Technologies



SPEED OF LIGHT EFFECTORS

Leidos has supported the Air Force Research Laboratory (AFRL) Directed Energy Directorate for over 30 years. Our scientists and engineers are instrumental in the development of numerous laser and high power microwave (HPM) weapons technologies for the laboratory and continue to contribute key research and engineering expertise in these areas.

TACTICAL HIGH POWER MICROWAVE OPERATIONAL RESPONDER (THOR)

AFRL recently completed a successful THOR program developing a counter-drone technology for airbase defense. Leidos staff led the design, development, and testing of the HPM source for this system, and we support the source operation and maintenance throughout the THOR system test and evaluation.

THOR provides non-kinetic defeat of multiple targets in a compact system that is easily transportable to theater by ground or by air in a C-130.

Upon placement, THOR is operational in a matter of hours and requires minimal training. System advantages include low operating costs, a deep magazine, and connectivity with existing base C2 systems to work in conjunction with other defensive measures.



TIME INTEGRATED GIGAWATT ELECTROMAGNETIC RESPONSE (TIGER)

The Leidos TIGER HPM source introduces a breakthrough counter-drone capability. This compact, man-portable source is a rugged design that incorporates a battery-equipped power supply, packed in a hard-shell case, supporting hundreds of engagements between recharges. TIGER provides a non-kinetic defense capability against the urgent threat of small drones attacking as a single unit or in swarms. It can operate in concert with other countermeasures such as jamming, laser, or kinetic systems.



ABOUT LEIDOS

Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's 37,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$11.09 billion for the fiscal year ended January 3, 2020.



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