



Leidos Overhead Persistent Infrared (OPIR) Surveillance

PROVIDING RESILIENT SPACE-BASED MISSILE WARNING AND TRACKING

Leidos offers truly advanced technology providing the US with proliferated MEO and LEO constellations of infrared sensors capable of detecting and tracking the most advanced missile threats ranging from tactical to strategic and from ballistic to hypersonic. Our innovative technology has evolved greatly since we flew the world's first wide field of view, staring array IR sensor as a commercially-hosted IR payload (CHIRP) in geosynchronous orbit. Our approach to missile warning (MW) and missile tracking (MT):

- ▶ Provides resilient, proliferated architectures that give safety in numbers and can persist in performing the MW/MT missions
- ▶ Features robust on-board processing to detect and track advanced targets against high clutter backgrounds enabling closure of shortened kill chains
- ▶ Leverages traditional commercial technology and large-scale manufacturing for enhanced affordability while providing high quality and superior technology
- ▶ Includes compatibility with commercial space vehicles and launch services leveraging tremendous commercial industry investment
- ▶ Offers affordable satellite replacement, by virtue of MEO and LEO orbits, incorporating evolving technologies to stay ahead of emerging threats and maintain our space advantage
- ▶ Yields enhanced viewing geometries and shorter ranges to detect and track dimmer targets with exceptional accuracy

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