

# LOCUST® X3

MODULAR DIRECTED  
ENERGY WEAPON SYSTEM



LOCUST® X3 is the third-generation 20–35+ kW Directed Energy Laser Weapon System engineered to defeat current and emerging aerial threats, including Group 1–3 UAS. Built on proven performance, it advances modular, AI-enabled air defense by integrating a variety of sensors and high-energy laser (HEL) effectors. Optimized to defeat highly proliferated UAS threats, LOCUST X3 counters high-volume threats with speed, precision, and improved cost efficiency. At the core of the system is AV\_Halo™ PINPOINT precision fire control software, ensuring stable, accurate energy placement on maneuvering targets. Built on a MOSA framework, LOCUST X3 enables rapid production, simplified upgrades, increased supportability and high reliability.

## \_System Performance

- > Power Class: 20–35+ kW High-Energy Laser
- > Engagement Type: Laser Directed Energy
- > Mission Profile: Deep Magazine C-UAS
- > Threat Class: Defeats Group 1–3 UAS at Tactically Relevant Distances
- > Architecture: Modular Open System Architecture (MOSA) compliant



## \_Mission-Configurable Architecture

LOCUST X3 features a modular, MOSA-based design tailored to mission needs. Configurations can adapt laser power, energy storage, and sensor integration, while plug-and-play compatibility supports a wide variety of active and passive sensors. Its open architecture enables rapid production, simplified upgrades, increased supportability and high reliability.

## \_Platform-Agnostic Architecture



## \_Key Operational Capabilities

- > Defeats Group 1–3 UAS
- > Persistent, supportable defense in high-volume threat environments
- > Advanced AI-enabled detection, tracking, and target prioritization
- > Rapid target acquisition and engagement
- > AV\_Halo PINPOINT precision fire control
- > Sustained engagement without reload limitations
- > Deployable on tactical vehicles or fixed installations
- > Receive cues from integrated modular sensors (active or passive) or higher echelon C2

