

- A unique anti-drone “hard-kill” technology
- Successful deployment of an antidrone laser system

The Need

In recent years, the technology of drones (UAVs) has reached maturity, and their price has decreased significantly. As a result, the distribution of drones has become widespread, and the technology is easily accessible to small entities and private individuals. In addition, UAVs have developed autonomous flight capabilities without communication to a control center or GPS navigation. Simultaneously with the increase in the availability of drones, a variety of threats posed by them have developed, for example surveillance and espionage, flying in prohibited areas, carrying weapons for terrorist purposes, interfering with airports, and more.

There is a definite and urgent need to neutralize autonomous drones and UAVs

Intellectual Property
System patent filed PCT.



Emerald

So Far

A first system, Lahav-or II, developed in collaboration with the Israeli Police and the IDF, passed all field tests. The system was successfully deployed in combat, downing essentially all terror soft targets in its zone. Currently, upgraded anti-drone capabilities have been developed with the Emerald and LightBlade 3 systems.

On Going products

LahavOr II | Emerald | LightBlade 3.0 custom development

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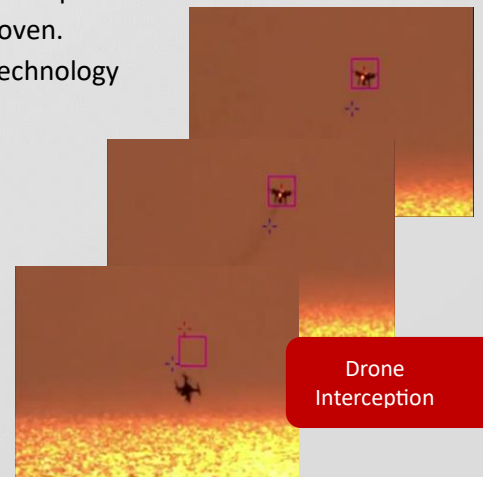
The Solution

OptiDefense demonstrated *safer* laser-based interceptors: designed for short **safety ranges**, using proprietary optics, it can operate in multiple scenarios, including near urban areas or in the vicinity of air traffic.

Safe operation with a minimal hazard footprint, and regulatory tolerance for additional aircraft in the airspace is a key point in the OptiDefense’s systems. In case innocent bystanders are caught in the laser path, the damage would be exceptionally minimal, if at all.

The Benefits

- Maximum safety in an urban environment
- Multiple interceptions and high coverage
- Day and night capabilities
- Mobile or static system
- Cost-effective operation
- Combat proven.
- Patented technology



Drone
Interception