

SPINNER FEDERAL SYSTEMS

Autonomous Interception of Enemy UAVs

A hardware and software system for the automated guidance of fixed-wing and multirotor interceptor drones against reconnaissance and attack UAVs. Operates day and night, in electronic warfare environments and without GPS.



ENLOCK INTERCEPTOR

KEY ADVANTAGES

- Stable flight and easy control in strong winds
- Modular design for rapid field maintenance
- Low production costs enabled by 3D printing technology
- Combat-proven effectiveness

SPECIFICATIONS

- Speed: **up to 168 mph**
- Flight time: **up to 40 minutes**
- Range: **up to 18.6 miles**
- Drone weight: **7.7 lb**
- Warhead weight: **2.05 lb**
- Operating altitude: **up to 16 400 ft**



OSIRIS UEB-1

KEY ADVANTAGES

- Precision terminal guidance against enemy UAVs
- Stable control at maximum speed
- AI-powered trajectory prediction and target tracking
- Combat-proven effectiveness

SPECIFICATIONS

- Speed: **up to 196 mph**
- Flight time: **10+ minutes**
- Range: **up to 18.6 miles**
- Drone weight: **8.2 lb**
- Warhead weight: **1.1 lb**
- Operating altitude: **up to 17 000 ft**

ENLOCK UNMANNED AIRCRAFT SYSTEM

One system. Two types of interceptors

KEY ADVANTAGES

- Higher probability of successful interception
- System deployment in under 10 minutes
- GPS-independent operation and up to 2 hours of autonomy
- Integration with various types of radars and drones



INTERCEPTION PROCESS

The ENLOCK UAS automates interceptor drone guidance, reducing reliance on manual control and improving the protection of critical infrastructure against UAV threats

01

Threat Detection

The system receives data on the enemy drone from radar, surveillance systems, or an airspace monitoring network

02

Automatic Calculation

The software analyzes the trajectories of the target and interceptor and calculates the optimal course to the interception point

03

Interceptor Launch

The operator assesses the situation on the screen and decides whether to launch the interceptor

04

Automatic Guidance

The drone follows the optimal trajectory to the interception point while the operator monitors the process on the map without manual control

05

Visual Contact

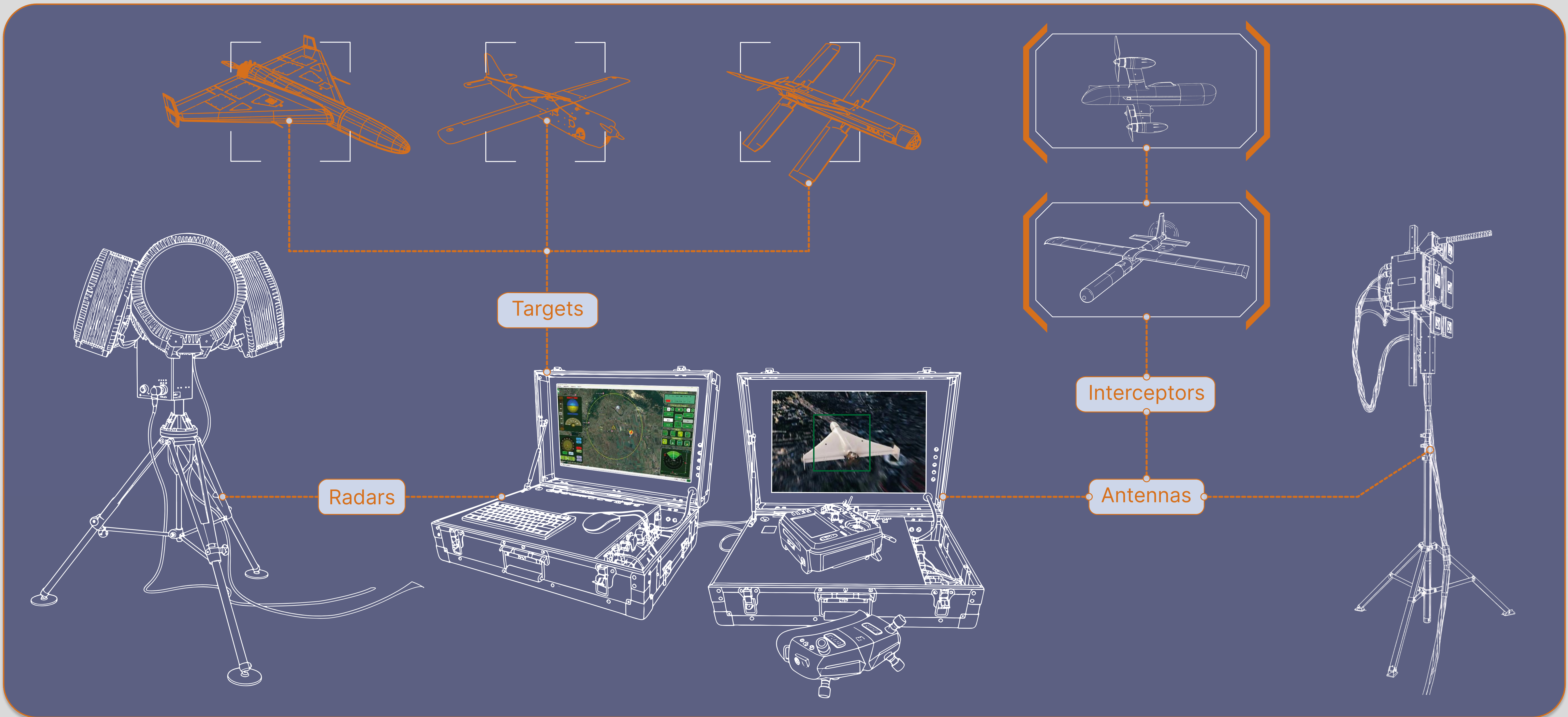
The system guides the interceptor into a position where the operator establishes visual contact with the target using the onboard camera

06

Interception

The drone automatically intercepts the target. If necessary, the operator switches to manual control to adjust the final phase.

INTERCEPTION SYSTEM WORKFLOW



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www.enlock.tech