



Drone-Nous™

A scalable, multi-domain advanced C-UAS ecosystem delivering seamless detection, identification, and multi-layer neutralization of low-altitude threats through advanced sensor association and open modular architecture.

AeroNous Solutions Ltd is an innovative Israeli defense technology company specializing in modular Counter-UAS (C-UAS) and low-altitude airspace management systems. Established to meet the urgent global demand for drone threat mitigation, our solutions provide precision and seamless integration, leveraging the extensive, proven operational experience and deep professional knowledge of our human capital. As a strategic subsidiary of **Israel Shipyards Industries Ltd**, AeroNous is uniquely positioned to offer future-ready protection for vital infrastructure worldwide, backed by the group's decades of expertise, unparalleled industrial capabilities, and financial strength.



Proven Heritage

Anchored in the industrial excellence of Israel Shipyards.



Elite Human Capital

Driven by defense veterans and multidisciplinary engineers with 30+ years of field experience.



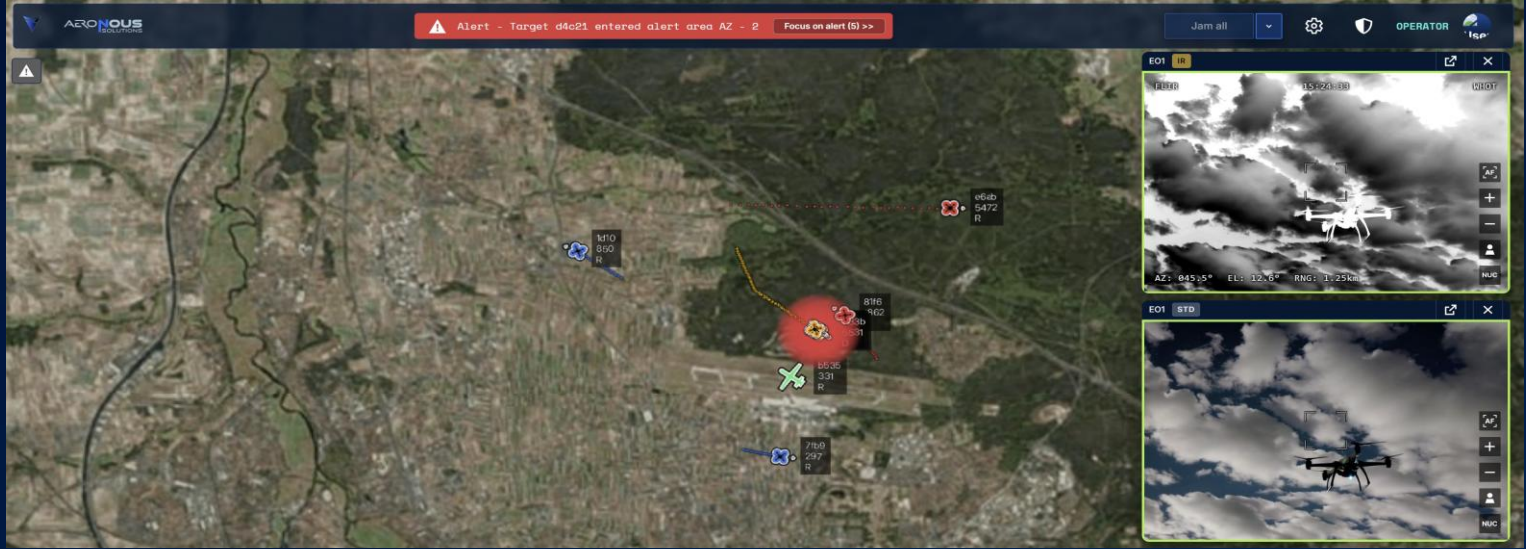
Future-Ready C-UAS

Adaptable, field-validated systems designed for the evolving modern battlefield.



Lifecycle Partnership

Full-spectrum support from design to long-term operational execution.



This system is designed for command, control, and defense operations within the low-altitude layer to detect, identify, and neutralize unmanned platforms. The system integrates and associate advanced sensors, both “soft” and “hard” effectors, and an intuitive human-machine interface. It is designed as a modular system that can be operationally adapted to any required configuration. The system enables flexible management of defense missions, aerial monitoring, and threat neutralization. It can be installed as a fixed or mobile configuration on ground sites and/or on mobile and/or maritime platforms. The system components include radar systems, RF sensors designed to detect wireless communication of drones, and RF-jamming systems.

System Characteristics



Massive Scalability & Throughput

Supports thousands of simultaneous targets and hundreds of devices/stations, from single-site to nationwide C2.



Universal Compatibility

Full connectivity with existing sensors/effectors and open architecture for seamless 3rd-party integration.



Precision Intelligence

Advanced algorithmic target-association mechanism for high-accuracy threat tracking.



Operational Agility

Flexible configuration with real-time video streaming, adapted to evolving low-altitude requirements.



Embedded Training

Integrated simulator featuring visual imagery for comprehensive operational-user training.

System Components



RF Sensor

Advanced RF-based systems for passive scanning of ISM bands, identifying drone signatures, parsing telemetry for location/altitude, and using Integrated Protocol Intelligence (IPI) for seamless takeover or takeoff denial without jamming, supporting up to 4 simultaneous tracks per sensor.



EO Sensor

Rugged electro-optical systems with HD thermal, daylight, and SWIR sensors for 24/7 long-range surveillance in harsh environments; embedded AI enables detection, recognition, identification, and tracking of air/sea/land targets through adverse conditions like fog or smoke.



Radar

Compact AESA pulse-Doppler radars for 4D detection (range, azimuth, elevation, velocity) of low-RCS aerial/ground targets; support multi-target tracking, AI classification (drones, birds, RAM), false alarm reduction, and MIL-STD compliance for fixed/mobile deployments in varied environments.



RF Effector

Programmable RF jammers disrupting drone communication links, GNSS navigation, and frequency-hopping via barrage/sweep waveforms across 20-6000 MHz; directional/ omnidirectional options with high power output (50-100W per band) in a rugged, MIL-STD/IP66 enclosure for soft-kill perimeter protection.

