

With operational deployments across more than 30 countries, the Ondas ecosystem enables organizations to establish persistent control of low-altitude airspace.

LADOS enables organizations to govern the low-altitude airspace in a way that is:

SIMPLE



EFFECTIVE



PROVEN



AGILE



Future-proof lower altitude
airspace governance

LADOS is **designed to scale** from single-site deployments protecting a specific facility to city-wide, border, or **national-level low-altitude airspace security programs**. It is built for real-life operations where airspace security is mission-critical, including:

- Airports
- Borders
- Critical infrastructure
- National security installations
- Sensitive assets in urban environments
- Military assets and operations

As autonomous drones, robotic systems, and advanced mobility platforms increasingly operate in low-altitude environments and on the ground, managing this domain will require continuous visibility, policy enforcement, and coordinated response.

LADOS provides the operating system for this new domain.

Contact ONDAS today to see how LADOS integrates into your existing systems.



Introducing the Next Generation Counter-UAS Era:

LOW ALTITUDE DEFENSE
OPERATING SYSTEM
(LADOS)



The operating layer that enables the transition from isolated drone protection to low altitude governance at any scale. A unified ecosystem based on data, governed in real time by visibility, compliance, AI-based learning, and automated response.

The Low Altitude Blind Spot

For years, the challenge has been about counter-drone protection. Detect the drone. Stop the drone. Solve the incident. The reality is changing. The airspace below traditional aviation control is becoming a permanent operational domain. It is increasingly used by legitimate drone operations, but it is also exposed to misuse, disruption, and security threats. Protecting against isolated incidents is no longer enough.

Originally built for isolated incidents with point solutions that detected threats, the counter-UAS industry later evolved into platforms that integrated sensors and effectors. Neither provided **systemic airspace control**.

The future requires infrastructure capable of governing lower-altitude airspace. This is **LADOS**: the Operating System for Low-Altitude Airspace.

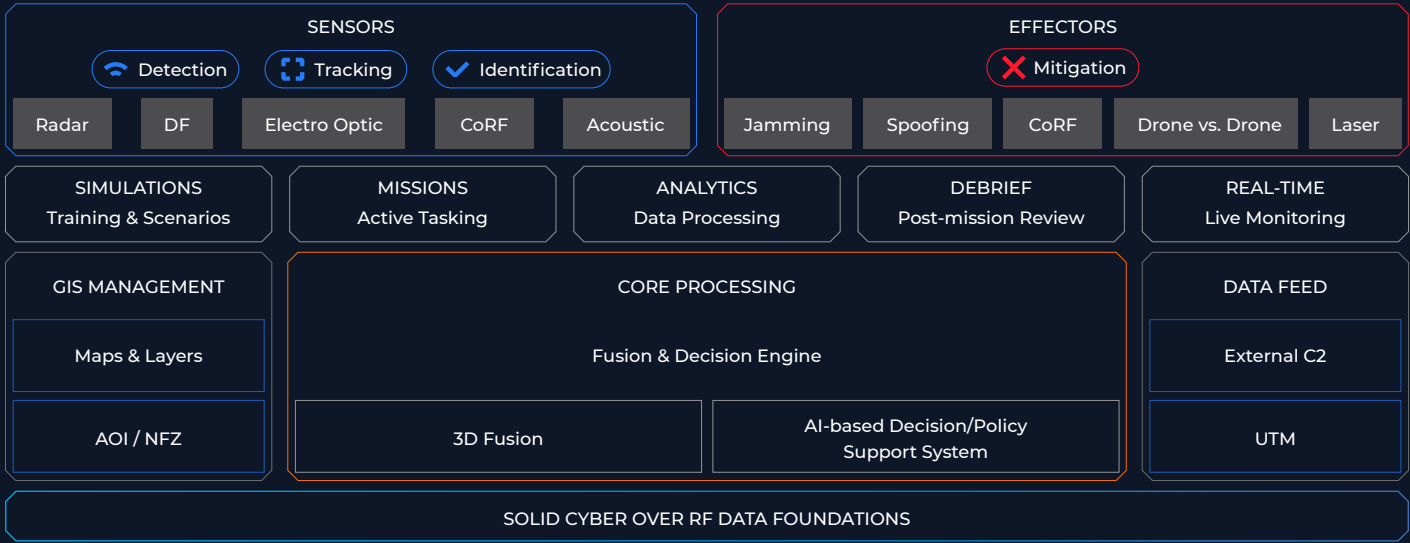
C-UAS Technology Has Evolved

LADOS: A data platform, governed by visibility, policy, and automated response.

EXISTING	LADOS
Incident response	Continuous governance
Capability-centric	Data-centric
Manual Decision	Automated Decision
Fragmented Systems	Unified control
Centralized C2	Distributed C2

Foundational Data Layer

At the foundation of LADOS lies a critical element: **data generated through its unique Cyber-over- RF (CoRF) technology**. CoRF interacts directly with the drone's communication layers and unlocks priceless insights, including deep identification of the drone down to its serial number, extraction of telemetry data, location of the drone operator, and even the direction the drone's camera is pointing. Adding CoRF data to your C-UAS stack is the only way to enable **control, intelligence, and enforcement**.



Operating System

Above that layer sits the core operating system that blends into its self-learning decision support engine the specific characteristics, needs, and constraints of the mission:



- RF environment
- Physical environment (stationary vs. on-the-move, urban vs. open area)
- Mission duration
- Policies
- Available sensors and effectors
- External systems such as Command & Control systems, Air traffic management platforms, and more.

Its open architecture enables the integration of any sensing technologies, response assets, and command systems, allowing organizations to expand operational coverage as mission requirements evolve.

LADOS integrates and orchestrates any C-UAS sensor and effector as an autonomous and compliant infrastructure.

Customers can integrate existing or additional detect and defeat systems of their choice, such as radars, jammers, spoofers, kinetic hard-kill solutions, and more.

This unified architecture is designed to observe, understand, and, on behalf of operators, orchestrate the next-best action to protect low-altitude airspace.

