



ASO Airspace Surveillance Company Overview

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ASO Airspace Surveillance S.R.L. is a European technology company based in Bucharest, Romania, founded by German-Romanian entrepreneur Christian Holzer. The company specializes in **Vision-AI airspace intelligence** and **optical drone detection**. ASO develops AI-powered systems that transform optical sensors (EO/IR) into intelligent airspace awareness systems—enabling **real-time drone detection**, **evidence collection**, and **situational awareness across high-security environments**. Built with Edge AI first and foremost, ASO's platform processes detections directly on the sensor while also integrating seamlessly with conventional network camera infrastructures.

Our mission is to secure the lower airspace through real-time, vision-based intelligence. ASO **combines advanced Edge AI with conventional network camera networks** to create **autonomous drone detection systems**, bridging the gap between civil protection, industrial security and defense operations.

We envision a future where the lower airspace evolves from a zone of risk into an intelligent infrastructure of trust, awareness, and control—from defense to orchestration, from reaction to intelligence.

CORE TECHNOLOGY

Vision-AI Engine

Our Vision-AI core is built on a multi-model ensemble, where several neural networks specialize in different altitudes, drone types, and environments.

Hybrid Deployment

Operates seamlessly across edge and cloud, integrating with existing IP infrastructures for scalable, low-latency coverage and centralized control.

Cloud Intelligence

Unifies all sensors into a single monitoring platform with live analytics, alerts, and continuous AI optimization for secure, adaptive performance. Captures visual evidence, event logs, and traceability data for post-incident analysis.

Together, these components create a **modular airspace intelligence ecosystem**, scalable from **single-site deployments** to **regional and national networks**.

APPLICATIONS

Critical Infrastructure Protection – Power generation, refineries, ports, airports, data centers.

Industrial Security – Manufacturing, logistics, and perimeter monitoring.

Defense & Border Operations – Tactical early warning and situational awareness.

Urban Airspace Management – Supporting the future of **UAV traffic and air mobility corridors**.

COMMITMENT

ASO is committed to **enhancing airspace safety** through **ethical AI, European engineering, and operational pragmatism**. Our solutions empower organizations to **detect, analyze, and respond to aerial threats before they become incidents**, ensuring both **resilience and compliance with international security standards and the EU AI Act**.

CONTACT

For partnerships, press, or technical inquiries please Contact

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