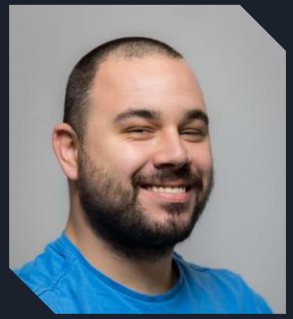

AMS
Security Redefined

Agenda

1. Who are we?
2. The problem
3. What we do
4. How we are doing it
5. The tricky bits
6. Grow stronger together

Who are we?



Ivan Ivanov

- System Architect
- More than 15 years of experience
- More than 80 projects
- Led teams with 100+ people
- A.I. enthusiast
- Co-Founder & CEO @ AMS
- System architect and Head of R&D @ neoshare AG

Who are we?

- Founded in 2025
- Aims to revolutionize physical security
- Proprietary hardware
- Proprietary software
- Fully autonomous operation
- Advance machine learning models
- State of the art security

The problem...

- **Human-Dependent Monitoring Leads to Neglect & Error**
  Static cameras and guards rely on constant human attention, resulting in missed incidents, slow reactions, fatigue, and inconsistent coverage.

- **Reactive Instead of Proactive Security**
  Most systems only record incidents after they happen, with no autonomous patrols, threat verification, or real-time intervention.

- **Fragmented & Hard-to-Integrate Systems**
  Cameras, sensors, access control, alarms, and analytics often operate in silos, requiring complex integrations and manual workflows.

- **Limited Coverage & Blind Spots**
  Fixed infrastructure cannot adapt to changing environments, temporary risks, or large outdoor areas, leaving critical zones unmonitored.

- **Limited Coverage & Blind Spots**
  Expanding coverage requires more hardware and personnel, increasing costs while still failing to improve reliability or response quality.

What we do?

This is a drone!

What we do

- **Fully autonomous hybrid security solution**
  Combining aerial, ground, and fixed security systems into one intelligent platform

- **Proprietary platform**
  Designed and built internally to fully manage, coordinate, and execute all security operations

- **AI-powered autonomous security operations**
  End-to-end automated monitoring, detection, and response for physical assets and sites.

How we are doing it

01 We use a hybrid AI model architecture combining edge and cloud processing. This enables real-time threat detection while continuously improving performance using aggregated operational data.

02 We aim to develop all hardware fully in-house to maximize reliability, security, and long-term scalability while maintaining top-tier quality.

03 Implementing fully integrated security software platform designed to manage, monitor, and coordinate the full security lifecycle. It enables autonomous threat detection, response, and operational control across physical assets, while remaining fully secure and configurable to customer-specific needs.

The tricky bits

- **System-wide software complexity**
  Coordinating AI, drones, sensors, integrations, and business workflows within a single reliable and fault-tolerant platform.

- **Autonomous AI and real-time operations**
  Designing AI systems that can safely monitor, detect, and respond to physical threats in real time across distributed edge and cloud environments.

- **In-house hardware development**
  Building and maintaining custom drones and security devices requires significant time, engineering effort, and iteration across hardware, firmware, and production quality.

- **Funding, compliance, and regulation**
  Fully self-financing development while navigating evolving laws and regulations related to drones, AI usage, and physical security.

Grow Stronger Together!

- **Inter-system integrations**
  Security platforms become significantly more powerful when integrated with complementary systems from other companies, combining capabilities, data, and operational context into a single, stronger solution.

- **Joint effort accelerate progress!**
  Collaboration on AI research, operational insights, and early hardware prototyping enables faster iteration, better design decisions, and more reliable autonomous systems

- **An ecosystem approach**
  Collaborating across AI, security, automation, and robotics, companies can grow in parallel, delivering more robust joint solutions


ANY
QUESTIONS?

THANK YOU!