

# Alpine Eagle Manifesto

Munich, March 2026

## **Drone-saturated conflict has become the new normal**

In Ukraine, hundreds of drones can be launched in a single night, hitting their targets in large numbers. These systems are quick, numerous and increasingly autonomous. Defence cycles are now measured in seconds.

This threat isn't just limited to active war zones anymore, either. Drone sightings are causing disruption at airports and crucial infrastructure sites all over Europe. By the middle of December 2025, [German officials](#) had noted over 1,000 suspicious drone flights over military sites and other sensitive facilities. Unmanned systems are now pervasive and existing defence structures are incapable of keeping pace.



Picture: Ministry of Defence of Ukraine, Unmanned Systems Forces

### **Current air defence setups are structurally misaligned**

Legacy systems were built to take down high-value targets such as fighter jets and missiles. They are economically and operationally misaligned with large numbers of small, cheap drones.

Yet the cost of defeating the threat posed by small to medium-sized drones often exceeds the cost of the threat itself many times over. Static, ground-based radars have a hard time picking up low-flying objects. Point-defence systems cost a lot, are hard to expand, and can be spotted easily.

As mobility on the battlefield speeds up, protection stays static. This leads to a gap in the architecture.

### **Getting air control back means we need to build a new kind of setup**

We can't rely just on cheaper interceptors to regain control of the airspace in the age of drones.

It needs a sensor-to-effector network that is distributed, mobile, and defined by software. Detection, tracking, coordination and interception need to work together as a single system, both on a large scale and in a way that fits the cost of the threat.

### **Alpine Eagle**

Alpine Eagle is building this architecture.

We put radar and sensor systems on airborne platforms, to set up an early-warning network above the battlefield, military facilities or critical infrastructure. From the air, we can detect threats – in the air, on the ground or at sea - sooner, see further and cover areas that ground systems just can't reach.

Sensor data is processed right onboard and fused across different platforms in real time. The system creates target coordinates and assigns interceptors, whether in the air or on the ground, as needed. Detection and effect work together in the same operational network.

We are creating the sensor-to-effector architecture required to manage detection and interception at scale.



Picture: Alpine Eagle GmbH

## Software-defined defence

Our core IP is software.

We process radar data onboard, distribute and fuse sensor information between platforms and plug it into existing command-and-control and battle management systems. The architecture works with any hardware and can adapt to different platforms. Any platform that can carry sensors or effectors can join the network. Across air, land and sea.

Systems are tested in real-world trials before they are expanded. In just a year, we landed the German Armed Forces as our first customer. We test under operational conditions and expand internationally.

## Who we are

Alpine Eagle is a defence company built on strong engineering depth.

We design systems, integrate subsystems and deliver complete operational capability. We bring together software, embedded systems, AI, and hardware integration into a single, working solution.



We concentrate on protecting lives, missions and critical infrastructure by enabling control of the airspace in the age of autonomous systems.

### **Mission**

We restore control of contested airspace in the drone age and we deliver persistent, networked defence against autonomous threats.

### **Vision**

Alpine Eagle is building a protective shield against unmanned threats in the air, on land and at sea.

We set the global standard for a counter-UXS architecture, creating a multi-domain defence system that protects armed forces, cities and critical infrastructure.

The threat evolves quickly. Our architecture is designed to evolve faster.