AETOS

PROJECT OVERVIEW

AUTONOMOUS DRONE SYSTEM FOR TACTICAL RECONNAISSANCE AND TARGET MARKING VIA CONNECTED AR DISPLAY SYSTEMS



1. CORE CONCEPT

AETOS enables fully autonomous reconnaissance without an additional drone operator. The drone independently detects, classifies and tracks targets, determines their precise position via GNSS (Galileo & GPS), and transmits information in real time to connected displays such as integrated AR glasses. Users receive contextual target information directly in their field of view – quickly, precisely and without manual intermediate steps.

2. DISTINCTIVE FEATURES

- ✓ Autonomous flight and automatic target marking – without an additional drone pilot or operator.
- ✓ Target direction, distance and classification directly in AR glasses or optical devices.
- ✓ Automatic distinction between team members and unknown people or objects.
- ✓ Manufacturer-independent platform: extend existing optical devices and drones with AETOS hardware and software modules.
- ✓ Alternatively available as a complete system with AR glasses and a modular autonomous drone.
- ✓ AETOS also operates without GPS data.
- ✓ Consolidates multiple drones and sensor sources; direct machine-to-machine link as an option.

3. BENEFITS

Faster decision-making
Real-time target information in the field of view.

No additional drone operator
Automatic control, analysis and data transfer.

Seamless sensor-to-user chain
Information directly from sensor to user.

Greater situational awareness
Multiple sources create a comprehensive picture.

Robust, flexible and future-ready
Modular and adaptable to different platforms.

APPLICATIONS

Military reconnaissance, border security, crisis and disaster response, surveillance, site protection and other security-related applications.

INTEGRATION

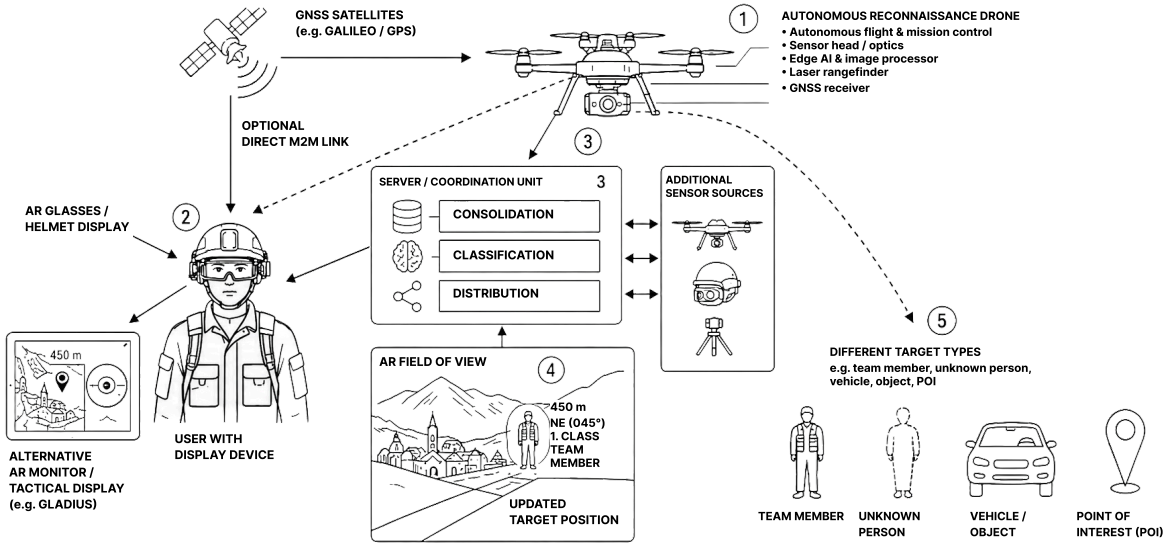
Compatible with common drone platforms, AR glasses, helmet displays and tactical systems.

REFERENCES

Development of neurosurgical spatial computing navigation systems; regular visits to Apple headquarters in Cupertino, Silicon Valley.

Development of an emergency ventilation system within 7 days during the COVID-19 pandemic.

4. SYSTEM ARCHITECTURE



AUTONOMOUS. PRECISE. CONNECTED. – INFORMATION THAT MATTERS.