



PERCEPTO

AUTOMATED AERIAL PERCEPTION

Autonomous drone solutions
for security, safety and operations



ABOUT THE SYSTEM

FULLY AUTONOMOUS

Navigates throughout sites without a pilot or on-site operator

24/7 OPERATIONS

Around the clock security and continuous data collection

REMOTE OPERATIONS

Operate system via cloud management platform

COMPUTER VISION (AI) APPLICATIONS

Value added applications providing operational insights during and after missions

SIMPLE & USER FRIENDLY

Fast deployment with easy to use interface for mission planning and real time operations

INDUSTRIAL GRADE

Durable and reliable platform

SECURE COMMUNICATIONS

Secure LTE (4G/5G) or P2P encrypted communications for safe data transfer





OPEN ARCHITECTURE

Integrates with 3rd party systems and devices

USE CASES







Security & Safety

-  Routine patrols
-  Intruder detection and tracking
-  Gas leak / Fire detection
-  Emergency first response







Operations & Maintenance

-  Infrastructure inspection
-  Anomaly detection
-  2D high resolution mapping
-  3D modeling & volume measurement



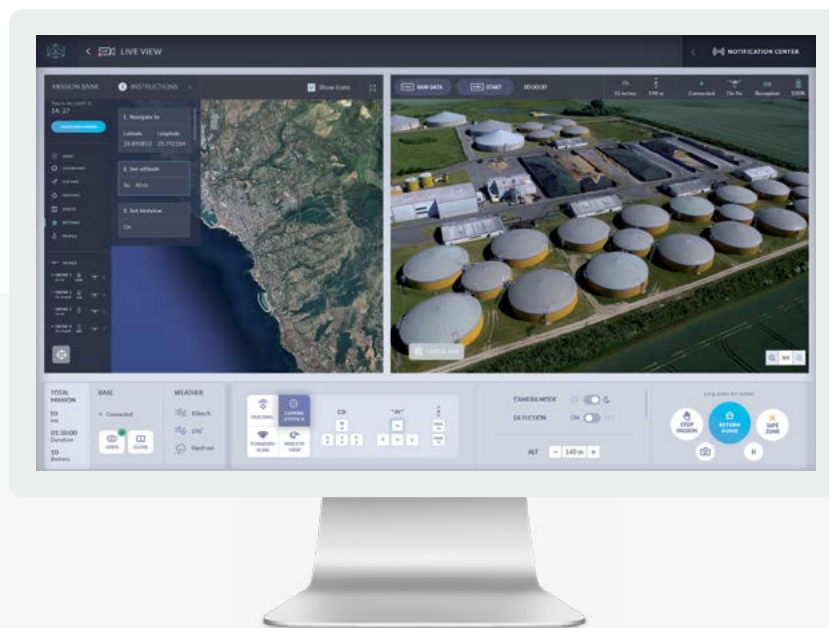
Compliance

-  Environmental monitoring
-  Continuous infrastructure inspection
-  Streamline and validation
-  Transparent auditing (historical data archive)

THE MOST ADVANCED, EASY TO USE SOFTWARE

PerceptoCore Software Suite

- Cloud management system
- Remote and on-site operations
- Scheduled and on-demand missions
- Customized reports, push notifications and alerts
- Tailored applications powered by computer vision (AI)
- Fleet management



PERCEPTO - DRONE-IN-A-BOX



Sparrow Drone

Dimensions: (propeller tip; diagonal) _____ 152 (cm)

Weight: _____ 9.5kg

Weatherproof: _____ IP55

Dual Payload: _____ 4K Day + Thermal (radiometric)

Communication: _____ secure LTE / P2P

Base

Dimensions: _____ 166W x 162 D x 168 H (cm)

Weight: _____ 350kg

Weatherproof: _____ IP65

Communication: _____ secure LTE / LAN

WHY AUTONOMOUS DRONES



ENHANCED SECURITY AND EMERGENCY RESPONSE

Security teams benefit from autonomous patrols triggered by an integrated system or an operator. Applications such as human and car detection and tracking are performed without the need for a pilot.

INCREASED SAFETY AND RISK DETECTION

Routine autonomous monitoring of hard to reach or dangerous locations eliminates risk to personnel. Combined with AI applications it also guarantees early detection of risks.

OPTIMIZED OPERATIONS AND MAINTENANCE

Operations and maintenance teams gain comprehensive 24/7 visibility of their site, detecting faults early and optimizing preventative maintenance.

REGULATORY AND STANDARDS COMPLIANCE

Compliance and regulation teams can expand the set of internal validation tools available with continuous inspections and transparent data archives.

INDUSTRIES



Energy &
Industrial Sites



Mining



Oil & Gas



Ports &
Terminals

WHO ARE WE?

Percepto is the market leader of autonomous drone solutions for critical infrastructure and industrial sites. Percepto's on-site autonomous drones change the way aerial data is collected and perceived. Without the need for a pilot, Percepto's autonomous drones perform versatile missions around the clock. Organizations using the Percepto solution are better aware of events taking place, allowing them to be proactive and more efficient in addressing risks and operational needs. Using Percepto's solution, these organizations reap the benefits of increased productivity and enhanced security while reducing risks and operational costs.