Protecting airports' operational continuity with integrated counter-drone solutions

sentrycs

Unauthorized commercial drones represent an increasing threat to domestic and international airports, leaving passengers frustrated, airport reputations damaged and financial losses.

Don't interfere with any kind of communications or GNSS, do not impact your daily operations, automate your first line of defense - easily deploy the technology-leading integrated counter-drone solution.

A Fully Integrated Counter-drone Solution

Sentrycs' integrated counter-drone solution is designed to detect, track, and identify drones and their pilots accurately and reliably with zero false alarms. It can then take over control of unauthorized drones when they enter a predefined no-fly zone and safely land them in a designated area. This is all done without any collateral damage or interference with authorized drones or other communications or navigation systems.

Detect
Plug and play 24/7 autonomous monitoring and alerting

Track
Accurate locations, height, & speed for both drone & operator

Identify
User-level identification – drone vendor, type and serial number

Mitigate
Automatically takes over & safely lands in a designated area

With Sentrycs, you get an all-in-one system, including a C2 module – which eliminates the need for external C2, saves on customization costs, and can be used as a smooth and reliable interface between different stakeholders.

The Only Viable Counter-drone System for Airports

Sentrycs is the ultimate alternative to costly and complex sensor fusion approaches. Unlike other Detection-Tracking-Identification (DTI) and mitigation technologies, such as radars, RF scanners, directional jammers, or GPS spoofers; Sentrycs presents the following advantages:

1. Less sensitive to interferences - caused by buildings, communications means, Etc.

2. Does not require line of sight

3. Creates no interference - with communication signals & GNSS

4. Safe - No collateral damage

5. Fully autonomous - No need for long training and highly skilled operators

6. Flexible multi-sensor configuration - can effectively & quickly protect both small & very large areas

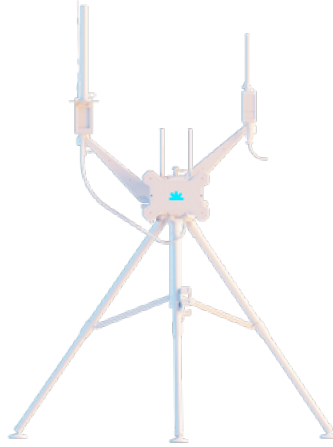7. Able to differentiate - between friend and foe drones

Modular solutions that can adapt to your airport's specific requirements

The Sentrycs system is based on off-the-shelf, powerful, and scalable hardware allowing for short development cycles and unmatched Detection, Tracking, Identification, and Mitigation performance. Customers can choose or combine three military-grade deployment types according to their operational needs.

Fixed

Portable

Vehicle-mounted

Advanced Centralized Command & Control

01 Entirely autonomous

02 Mission configuration & management

03 Define parameters

- No-fly zone(s)
- Mitigation Rules
- Landing pad(s)
- Allowed drones list

04 Event replay for mission debrief

At Sentrycs, we understand that solving complex challenges takes more than just technology. That is why we work closely with the entire drone ecosystem to bring a scalable, safe, and secure resolution to uncontrolled drone traffic. Want to learn more? Contact us today!