

RunwaySafe



Intelligent Drone Threat Assessment For Airports

Airports worldwide are increasingly exposed to drone sightings, triggering operational disruption and safety concerns. Unverified reports can lead to runway or airport closures, causing delays, diversions, financial losses, and passenger dissatisfaction. Limited situational awareness makes it difficult to determine when it is safe to re-open, often prolonging closures and damaging reputation.

Many airports face the same dilemma:

“If we’d close the airport every time a drone is detected in the CTR, it would never re-open.”

RunwaySafe was created to solve this challenge.

From Detection to Decision Support

RunwaySafe is an advanced drone threat assessment solution, purpose-built for airport environments. Developed in close collaboration with airport operations teams and air traffic control, it introduces a new level of intelligence to drone incident management.

Unlike traditional drone detection systems that generate alerts for every drone entering controlled airspace, RunwaySafe assesses each event in real time and highlights only those drone flights that pose a genuine and immediate risk to airspace safety or airport security. The result: fewer false alarms, clearer decision making, and faster recovery after drone incidents.

Key Capabilities

3D Airport Threat Zones

Visualises drone activity in a three-dimensional airport environment, aligned with critical areas such as runways, approach paths, and operational zones.

Dynamic Runway Configuration

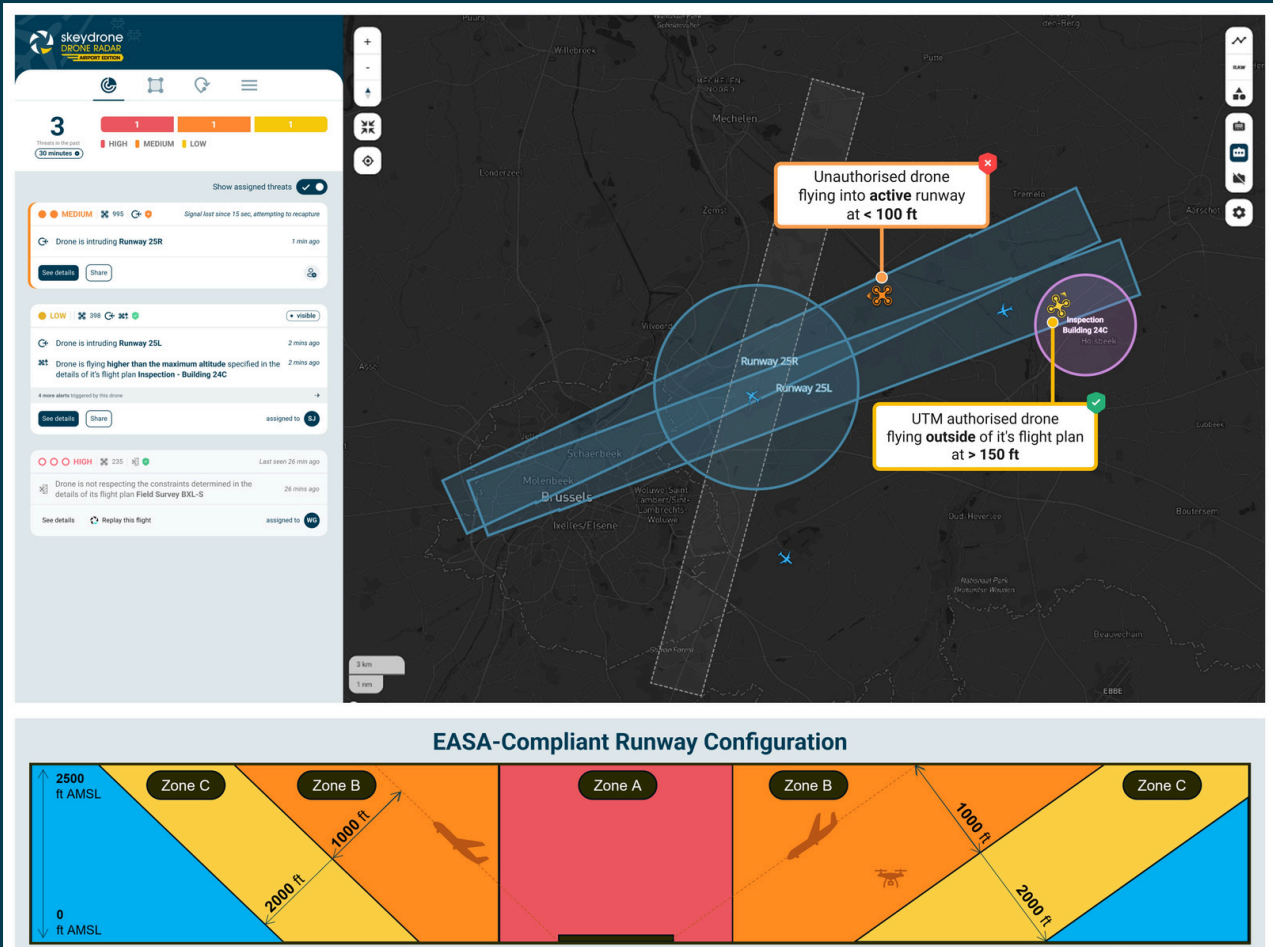
Automatically adapts to active runways and operational modes, ensuring threat assessments always reflect the real-time airport configuration.

Advanced Threat Classification

Distinguishes between relevant and non-relevant drone activity through intelligent classification, reducing unnecessary escalations and false alarms.

Aviation-Grade Operational Logic

Developed in close collaboration with skeyes, one of Europe’s leading ANSPs, in



Real-time threat visualisation aligned with active runway configuration

one of the world's most complex airspaces.

ATM & UTM Integration

Seamlessly integrates with both manned and unmanned Air Traffic Management systems for unified airspace awareness.

Industry Compliance

Built in line with EASA frameworks and aligned with ICAO, ACI and IATA guidance for global aviation standards.

Customizable Platform

Tailored configuration options to match your specific airport requirements and workflows.

Multi-Sensor Integration

Supports various sensor and detection hardware types for maximum flexibility,

including RF sensors, radar, cameras and acoustic detection.

Analytics & Forensics

Detailed reporting and post-incident analysis for continuous improvement. Track trends, analyse response times and generate compliance reports.

DITTA-Compliant

Follows the internationally recognized Detection, Identification, Tracking and Threat Assessment methodology.

Minimise disruption. Maximise safety. Keep airports moving.