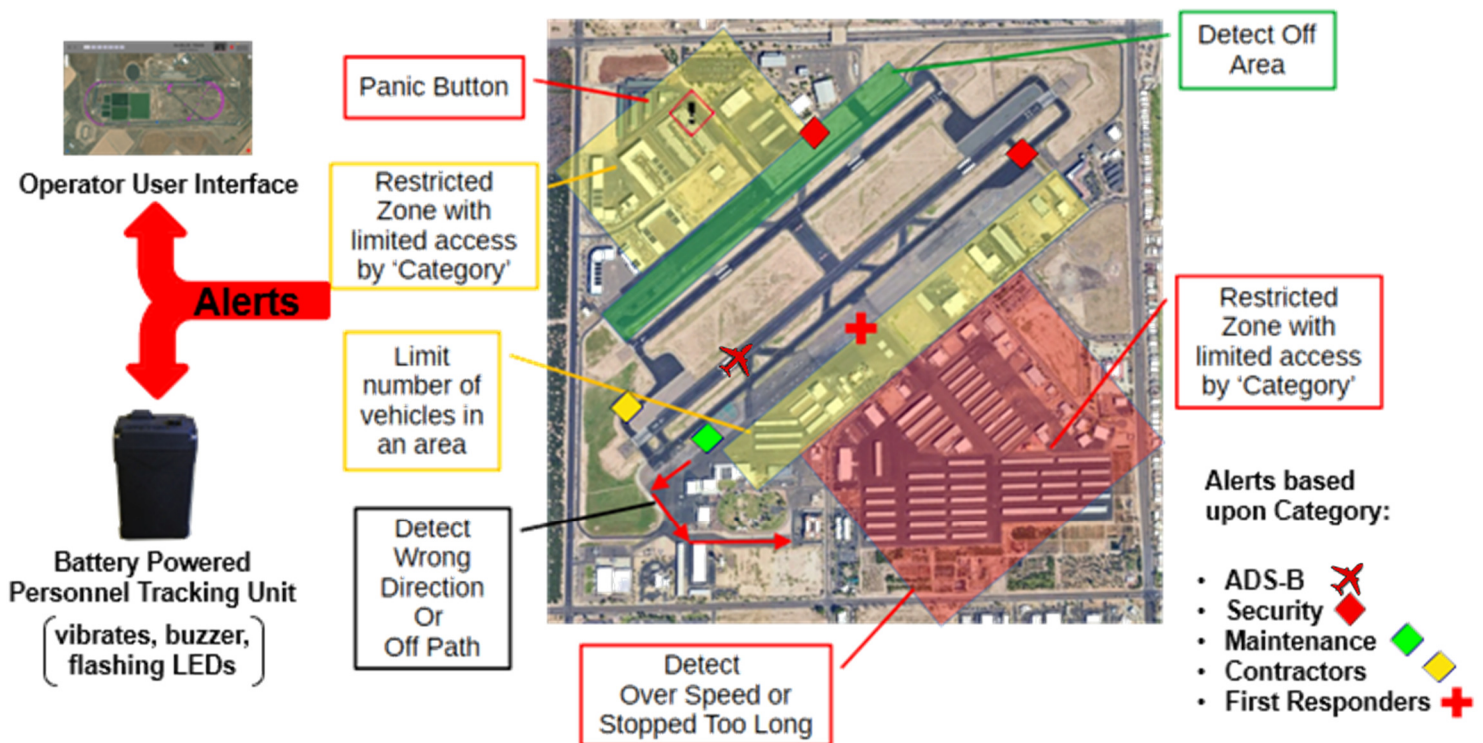


Site Asset Management System

Airport surfaces are busy and congested, making situational awareness essential for preventing incidents, tracking ground support equipment (GSE), and monitoring personnel and vehicles. RTS's **Site Asset Management System** provides airports, airlines, and ground crews with real-time tracking and monitoring of both aircraft and ground assets, delivering a comprehensive view of airport operations.

The system integrates three key components: **ADS-B aircraft tracking, vehicle and personnel asset tracking**, and a **browser-based interactive map** with geofence-based alerts. This combination gives users both a high-level operational overview and detailed, real-time insights for proactive monitoring of potential safety violations, ensuring that any deviations from operational norms are immediately flagged.



PERSONNEL

VEHICLES

ALERTING

REDUNDANCY

ADS-B OUTPUT



Airport Site Asset Management

Interactive Mapping with Real-Time Safety Alerts

The **Site Asset Management System** leverages geofencing to provide real-time tracking of aircraft and assets across the airfield. Its interactive map application allows operators to monitor everything at a glance, manage the full asset database, set speed limits based on aircraft and vehicle type, create geofences on the fly, detect perimeter intrusions, investigate incidents with the playback tool, and generate operational reports.

The real-time safety alerts cover a range of critical categories, including:

- **Restricted Area Breaches:** Notifies operators when any asset enters a restricted zone.
- **Speed Violations:** Detects when vehicles or aircraft exceed set speed limits.
- **Unsafe Driving Behaviors:** Alerts for wrong-way travel and other risky maneuvers.
- **Proximity Warnings:** Triggers notifications when assets come too close to each other.

These real-time messages alert ground personnel to take prompt corrective actions, thereby preventing incidents before they escalate.

Aircraft Tracking

Unlike other tracking applications, the **Site Asset Management System** utilizes ADS-B to track aircraft both in the air and on the ground, providing operators with maximum situational awareness to help prevent accidents. It also enables users to capture runway usage and monitor taxi times for improved operational efficiency.

Alerting GPS Tracking Units

RTS-designed and manufactured GPS tracking units deliver real-time situational awareness. Their capabilities include:

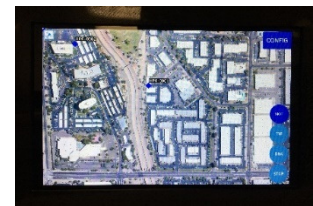
- **Multi-Model Alerts:** Integrated Flashing LEDs and buzzers, and a panic/duress button for added safety.
- **High-Precision Tracking:** Utilizes 900/868MHz radios or 4G LTE modems provide 1 second updates with GPS accuracy up to 1 meter.
- **Enhanced Accuracy Options:** Differential GPS capability for cm level accuracy.
- **Seamless integration with third-party systems:** The GPS Tracking Units can also be configured in a Tracker-Only mode with ADS-B data export capabilities.



**Battery Powered
Personnel Tracker**



Vehicle Tracker



**Display Tracker for
Security Vehicles**

PERSONNEL

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