Overdrive®

Airside Operations Solution – Ground Support Equipment Tracking & Runway Deconflict

Real-Time Airport Operations, Built on IoT

Stay connected with your airport operations in real time. Gain total visibility of your vehicles, ground support equipment, and critical airside assets.

Overdrive IoT delivers aviation ground operations technology that goes beyond basic tracking. Our solutions support real-time airport operations, helping airports improve efficiency, safety, and coordination across airside, landside, and covered environments.

Real-Time Airport Operations

Our platform makes operational data readily accessible, so airport teams are always aware of asset and fleet locations - indoors, outdoors, and across the entire airport site. With Ground Support Equipment (GSE) Tracking and Runway Deconflict, airports can:

- **Monitor vehicles and GSE in real time**
- **Enable an airport-wide tracking solution for full operational awareness**
- **Detect and manage runway conflicts before they become safety risks**
- **Optimise airport fleet management and ground operations efficiency**

Having the right IoT-driven aviation solution enables airports to operate with confidence and control.

Operational Benefits

1 Boost Operational Efficiency
Analyse vehicle and ground support equipment movements to reduce delays, idle time, and resource wastage.

2 Accurate Data Analytics
Access accurate airport asset tracking data in real time and generate insights for informed decision-making.

3 Prevent Unauthorised Access
Identify unauthorised vehicle or equipment movement and respond immediately.

4 Enhance Safety & Compliance
Monitor risky behaviors and runway activity to protect personnel, passengers, and aircraft.

Ground Support Equipment Tracking Features

Centralised Asset Monitoring
Monitor vehicles and GSE from one platform with dashboards showing location, status, battery health, and movement history

Live Location Tracking
Enable airside vehicle tracking with real-time visualisation of all airport assets.

Geofencing & Alerts
Define operational zones and receive alerts when assets move outside approved areas.

Indoor and Outdoor Asset Tracking
Maintain visibility even in GPS-challenged environments such as terminals and covered facilities.

Runway Deconflict Features

Runway Conflict Prevention
Monitor movements near runway zones to reduce the risk of unsafe access and incursions.

Proactive Safety Alerts
Receive real-time alerts that support early intervention and safer runway operations.

Compliance & Reporting
Support international aviation safety standards with automated reporting.

Enhanced Situational Awareness
View runway activity alongside broader airport operational visibility for improved control and coordination.

Why Choose Overdrive IoT?

Airport-Wide Tracking Solution
End-to-end visibility across airport operations

Ground Support Equipment Tracking
Real-time monitoring of critical GSE assets

Airport Asset Tracking
Unified tracking across vehicles, equipment, and facilities

Real-Time Airport Operations Monitoring
Faster, data-driven decisions

Indoor and Outdoor Asset Tracking
Real-time monitoring of critical GSE assets

Airport Fleet Management
Optimise asset utilisation and reduce downtime

Maximise Airside Operations

Track ground support equipment, manage runway safety, and gain real-time operational visibility—so you can deliver safer, more efficient airport operations.

Who Are We

Overdrive is a Internet of Things (IoT) company that can intelligently connect physical assets with natural and artificial Intelligence across entire ecosystems so as to give clients the power to monitor, change and track virtually anything from practically anywhere. We provide a suite of holistic IoT products and solutions – all under one roof.

What We Do

Specialises in
Fleet Management,
Assets Monitoring,
Environmental Sensing,
Vehicles Monitoring,
Real Time Location System
and more.

Hello,
We Are Overdrive.

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Overdrive®