![Overdrive logo — Now, That's Accurate.]

ENHANCING WORKFORCE SAFETY
& VISIBILITY AT ALCON

Overdrive partnered with Alcon, a global leader in eye care, to deliver a scalable workforce tracking solution for its advanced manufacturing facility. Designed to improve personnel safety, zone-level visibility, and emergency responsiveness, Overdrive's BLE-powered system now supports Alcon's mission of safe, efficient, and compliant operations.

The Challenge

Alcon, a global leader in eye care manufacturing, operates in a high-precision, safety-critical environment where real-time visibility of personnel is essential. As their workforce grew, so did the complexity of managing headcounts across multiple operational zones. Traditional tracking methods, such as manual logs and radio communication, proved insufficient for accurate oversight or timely emergency response. Without live visibility into workforce location and movement, safety teams faced delays in incident response, challenges in maintaining compliance, and inefficiencies in day-to-day operations. Alcon needed a digital, scalable solution to enhance personnel monitoring and ensure a safer, more responsive working environment.

The Solution

To address these challenges, Overdrive deployed a BLE-based personnel monitoring system tailored to Alcon's facility. Each of the 750+ employees was equipped with a lightweight BLE beacon featuring motion sensors and an emergency panic button. Thirty BLE gateways were installed strategically across the site to ensure seamless, zone-level coverage and precise location tracking. This setup enabled real-time monitoring of workforce movement, automated entry and exit logs, and immediate alerts during emergencies. The Overdrive platform provided a unified dashboard for safety managers to view personnel distribution, detect motion inactivity, and receive alerts— dramatically improving operational oversight, emergency preparedness, and compliance with safety protocols.

Number of Assets: 750+ personnel tracked

How does it work?

Overdrive's system combines wearable BLE (Bluetooth Low Energy) beacons with a network of gateways to deliver real-time visibility of personnel across Alcon's facility. Each staff member carries a lightweight beacon that transmits location and motion data at regular intervals.

These signals are received by fixed gateways installed throughout key zones within the site, enabling precise tracking of movements, zone entries and exits, and overall headcounts. All data is automatically synced to the Overdrive platform, where it is visualized in a user-friendly dashboard for safety and operations teams to monitor activity in real time.

In critical situations, employees can activate a panic button on their beacon, instantly notifying responders of their exact location. This system ensures full workforce visibility while supporting faster emergency responses and smoother day-to-day operations.

Key Features

Live Workforce Visibility
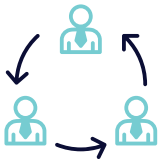Real-time updates on personnel presence across defined zones.

Emergency Panic Button
Staff can trigger alerts during emergencies, with automatic location tagging.

Accurate Headcounts
Automated entry/exit logging provides precise headcounts—no manual effort needed.

Zone-Based Tracking
Tracks personnel movement across operational areas for safety and compliance.

Motion Detection
Detects if a badge is in motion or stationary to monitor activity levels.

Scalable Coverage
Designed to grow with facility needs by easily adding more zones or personnel.

The Results

Alcon now benefits from a modern, reliable system that enhances workforce safety and operational clarity. With real-time visibility, automated headcounts, and instant emergency notifications, the facility is better equipped to manage risks, ensure compliance, and respond proactively to incidents.
The solution has become a key enabler in Alcon's operational excellence and employee safety culture, with room to scale across more sites or departments.

Who Are We

Overdrive is the leading real-time asset monitoring IOT company in Asia that provides end-to-end IoT solutions and automates data sensing of various types of assets within a business ecosystem, from vehicles and machinery to facilities and people – all under one roof.

What We Do

Specialises in

- Vehicles Monitoring
- Airport Management
- Vessel Tracking
- Heavy Machinery Monitoring
- Smart Hygiene
- Environmental Monitoring
- Sustainability Solution

**Hello,
We Are Overdrive.**

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