Overdrive
Now, That's Accurate.

PERSONNEL TRACKING FOR ENHANCED SECURITY AND SAFETY
WITH THE SINGAPORE POLICE FORCE (GURKHA CONTINGENT)

Overdrive deployed its advanced geofencing solution to help the Singapore Police Force (Gurkha Contingent) monitor the movement of personnel. By ensuring that officers stay within designated areas, the solution enhances security, improves operational efficiency, and prevents unauthorised access to restricted zones.
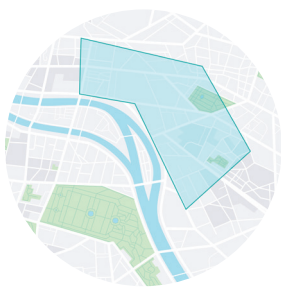
The Challenge

The Singapore Police Force's Gurkha Contingent required a reliable system to track the location of their personnel in real-time and ensure they remained within assigned zones. The existing manual system was inefficient and left room for potential breaches in security, as it was difficult to monitor personnel movements accurately. Ensuring compliance with restricted areas was a critical challenge that needed an innovative, technology-driven solution.

The Solution

To address this challenge, Overdrive proposed its geofencing personnel tracking system. This solution uses state-of-the-art geofencing technology and real-time tracking devices to monitor the location of officers. The trackers are attached to personnel, and the system generates real-time data to ensure that officers stay within designated safe zones or alert management if they enter restricted areas. This improves visibility, enhances security, and prevents unauthorised access.

How does it work?

1 Geofence Setup
The designated safe zones and restricted areas are mapped out within the software, creating invisible geofences. These zones are highly customizable and can cover any area within a facility where tracking is necessary.

2 Tracker Attachment
Personnel carry or wear tracking devices that communicate with the system in real-time. These trackers use GPS or other compatible technologies to maintain precise location data.

3 Real-Time Data Collection
As officers move within or around these geofences, their locations are continuously monitored. If they remain within the designated safe zones, the system operates in a monitoring state, gathering location data without triggering alerts.

4 Alerts for Zone Breaches
If personnel cross into restricted areas or leave designated zones, the system immediately sends alerts to the control room or designated managers. This notification allows swift action, improving security and accountability.

5 Data Logging and Analytics
The system logs data on personnel movement, which management can review for insights on activity patterns, potential risk areas, and compliance with safety protocols.

6 Route Playback
The system allows management to review historical routes taken by personnel, enabling a playback of their movement paths within specified timeframes.

Key Features

Zone Monitoring
The system continuously monitors personnel locations within defined zones, ensuring they remain within safe areas and away from restricted zones.

Real-Time Alerts
Sends instant alerts to management if personnel breach geofenced boundaries, allowing immediate action to prevent unauthorised access.

Data-Driven Insights
Provides comprehensive data on personnel movement, enabling managers to review patterns and enhance security planning based on actionable insights.

Seamless Integration
Connects easily with existing systems, streamlining setup for effective, tech-driven personnel management focused on safety and accountability.

Enhanced Compliance Tracking
Tracks and logs location data to support adherence to safety protocols and regulatory requirements, improving overall accountability and safety management.

Geofence Settings
Allows management to tailor geofence boundaries and settings to match specific security needs, with options to adjust zone sizes, boundaries, and alert thresholds.

The Results

The implementation of Overdrive's geofencing personnel tracking system significantly enhanced the Singapore Police Force's Gurkha Contingent's security and operational efficiency. With real-time monitoring, officers remained within designated safe zones, reducing instances of unauthorised access and ensuring compliance with restricted areas. The system's instant alerts enabled swift responses to any boundary breaches, allowing management to address potential security risks immediately. Additionally, the data logging and analytics capabilities provided valuable insights into personnel movement patterns, helping optimise deployment and refine security protocols. The seamless integration with existing systems made the adoption process smooth and effective, establishing a robust, technology-driven approach to personnel management for enhanced safety and accountability.

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