

Mobile workforce tracking - Indoor

Overview:

- Control and audit movement, theft and misuse of high-value equipment
- Monitoring the movement of objects between floors & locations
- Understanding the working environment of temperature-controlled areas
- Workflow to understand potential choke points during peak hours
- Knowledge about worker movement to improve utilization of facilities
- Knowing where employees are can help you assign more people to the right places to get jobs done faster.
- Is a customer claiming an employee didn't show up to a job or was late? Now it's easy to verify those claims.
- Set geofences around job sites, so employees are reminded to clock in when they get to work and clock out when they leave. Make it easy to clock into the correct task by displaying nearby job codes.
- Tie certain job codes to each geofence, so employees clock their time accurately on projects. Reduce the number of timesheet edits, so payroll isn't delayed.

Current Challenges:

- **Time & Attendance Tracking**
The main issues surrounding tracking employee time and attendance in any organization typically result from the tracking being paper based, with employees manually signing in and out. Paper based time and attendance tracking is very open to inaccuracies and dishonesty from employees.
- **Find colleagues**
Companies are becoming more mobile in their way of working, which rubs off on the employees that spend less and less time at their desks. In large mobile offices, finding each other can therefore be challenging.
- **Reserve desks or room's**
By using indoor positioning, employees get a complete overview of the location and availability status of rooms and desks in the office
- **Statistics to optimize office**

The system gathers the flow of how staff are moving around the office, which zones that are most popular or unpopular and what desks or rooms that are being booked the most.

- **Visualizes Space and Utilization**

Discover workforce and workplace interactions, the energy consumed, and compare changes throughout the year.

- **Find a Book Spaces:**

Book hot desks and meeting rooms in real time from mobile devices, desktop and kiosks

- Security and Resource planning: Ensure security

Business Requirements:

- A system needs to be created which uses combination of hardware devices and HERE Location services for tracking of indoor workforce management
- Development of an application or a system which includes services of HERE Location APIs or HERE Platform.
- Register at HERE Developer portal for a glimpse of available APIs <https://developer.here.com/events/NIPP>
- You can also view latest documentation <https://developer.here.com/documentation>