# Monitoring Worker Movement at a Secured Facility Construction Site
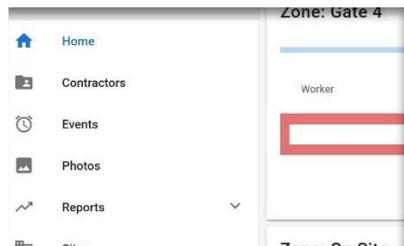
CONSTRUCTION



## The Challenge

A global construction company was awarded a project inside a highly secured access-controlled R&D campus. Once construction workers were admitted into the main campus the customer needed assurance that the workers arrived at the construction site within a specified time period.



## The rfidCollect Collector Edge System

Attempting to track personnel and related activities can be error-prone, time consuming and costly. rfidCollect's **Collector Edge** system simplifies the process by automating personnel and asset tracking, reporting and compliance. The system provides actionable data that is used for a variety of applications such as establishing alerts, triggering gate controllers, sending security alerts and supporting audit compliance. The easy to use system uses RFID and barcode enabled badges for workers that attached to hardhats, lanyards or work clothing. The system features daily reporting including time and attendance tracking, supervisor notes, audit history, personnel segmentation by department and contractor, and both RFID and barcode tag identification. Easy enrollment is performed at onsite stations or via web interface.



## Conclusion

The rfidCollect **Collector Edge** system delivered a Cloud-based, on-premises solution with real-time reporting of worker movement displayed as measured events. Multi-location tracking at entrance and egress gates supplied alerts for workers in non-compliant zones and allowed the construction company to quickly correct any issues.

### The Objective

To track construction workers in real-time from the main campus gate to entry to any of the construction site gates, and track the process in reverse as workers exit the construction site to campus egress locations

### The Solution

rfidCollect's Collector Edge System

### The Results

The solution provided real-time visibility into single and cumulative event worker movement while satisfying the following requirements:

- provide real-time worker location by zone, viewable over a Web dashboard
- set notifications and alerts for approaching time limits within zones
- auto-generate reports by date and time, individual worker, group and subcontractor
- generate customer compliance documentation for validation of security measures
- enable easy worker enrollment at onsite stations or via Web interface by using driver's license or passport identification
- integrate personnel photos for enhanced security
- Use hybrid RFID/barcode tags with human readable ID on worker badges