

## CASE STUDY

# Construction Major deploys GHOST WORKER TRACKING/ VISITOR MANAGEMENT SYSTEM (VMS)



*Providing accurate input on actual number of workers working offsite and being able to create an accountable and transparent system. Creating a seamless entry system for a business visitor into the corporate premises thereby ensuring a user friendly access system enabled by RFID technology.*

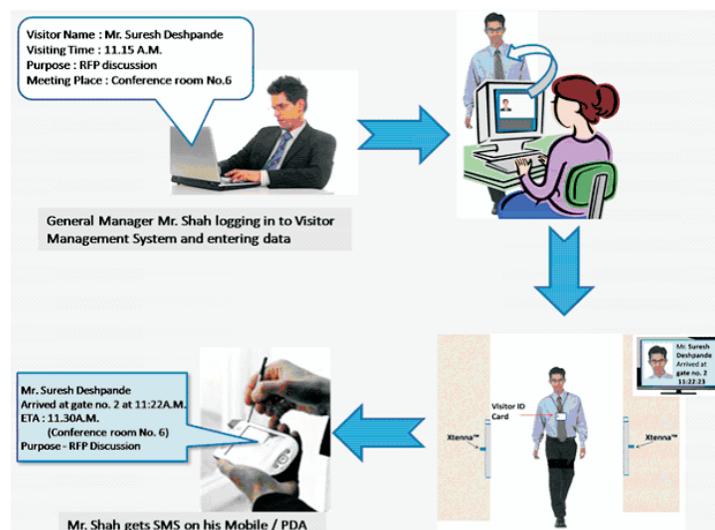
### Company:

Unity Infraprojects Limited, Mumbai, India

**Facility:** HQ/offsite locations

### Challenge:

- Duplication of worker data leading to loss of revenue and productivity (Misuse of substituting low-skilled workers for highly-skilled workers).
- In-ordinate delay in granting business visitors access to business lounge for meetings.



Visitor Management System

### Proposed Solution:

- Each RFID worker tag will contain unique ID details including contracting agency. Each worker's image will then captured by a PoE camera and stored in a database on a server. When the worker comes to collect his daily wages, the information on the tag will be matched with that in the database to verify if the worker attended duty. Only then will the wages be paid.
- VMS encompasses a dialog box available on the desktop/laptop of the business host who logs in data pertaining to the details of the business visitor/timings/agenda. The system automatically links in to the front office security desk which generates a RFID enabled tag well in advance. When the business visitor arrives at the stipulated time and passes through a RFID enabled portal, a SMS and dialog box message is triggered to the Business host's Desktop/Mobile/PDA intimating him about the arrival of the visitor along with his expected time of arrival at the respective conference room and by outlining the business agenda.

### Realised Benefits:

- Helps plug revenue leakages and improves productivity
- Greater transparency and accountability
- Creates brand equity and helps build goodwill for the company

### TECHNOLOGY

#### Solution:

EPC Gen2 compliant personnel tracking system/visitor management system

#### Tag Type:

Personna™ UHF Passive

#### Reader/Antenna:

Xtenna™ Long Range,  
Proximity Xtenna™ Short Range

#### Read Range:

17 metres (50 feet),  
7-30 cm (3-12 inches)

#### Method:

Multiple Tracking via Integrated Reader/Antenna modules

**Number of modules:** 10

#### Integration Platform:

**RFID Middleware:** Xtenna™ Studio

**Application:** Essen RFID's Attendance Tracking System and Visitor Management System

**Database:** SQL Server 2005 Exp. ed.

#### Tag Manufacturer/Supplier:

EsSEN RFID

#### Reader/Antenna Manufacturer:

EsSEN RFID

#### Systems Integrator:

EsSEN RFID

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