

# RFID RTLS FOR PERSONNEL TRACKING

## RFID In A Large Shipyard in India

### PROFILE

As one of the fastest growing RFID companies in the industry, more organizations are trusting HexaHash RFID with what matters most. Our high performance active and passive RFID technology RTLS solutions, coupled with world-class service and support, keeps tabs on your assets and employees so you can focus on your business while we track and trace everything precisely

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### PARTNER PROFILE

IMPINJ

OMNI-ID

TURK

TrackTio

V-Tag

### CLIENT OVERVIEW

#### A LARGE SHIP BUILDING COMPANY

Our client is a leading and largest shipbuilding company in India. (Client name is confidential as per NDA). It operates many shipbuilding facilities across many states. Client's one of the yard is the largest in India, spread across 300 acre.

### PROBLEM

Client's work location has 1000s of employees in many sites. Each site has different tasks which are carried out by labourers. Client was facing issues in managing such a large workforce of different kinds using traditional register based system. Client moved to biometric enabled passive high frequency RFID system but still it was not fulfilled their requirement as there was a huge queue in every in/out exits. An another issue was, once employee entered the workspot, it was difficult to locate them and unable to find whether employee is in right place at right time or not. There was a huge productivity loss and resource wastage which leads to extended project timeline and increased expenses as well as financial loss. Client decided to go for a automated data collection and personnel tracking system without any human intervention and also wanted to track the employees accurately within the production site

### SOLUTION

Hexahash implemented UHF Gen2 RFID technology for automated attendance tracking as well as real-time location tracking of employees. We installed UHF RFID Readers and antennas at security entrance/exit gate as well as in all the work places. Each employee was holding a tag with HF RFID tag already. We added UHF RFID tag with the existing tag. We provided RFID wristbands for the labourers of subcontractors and other temporary employees of vendors. We mapped each employee with time duration, shift information, yard location, geo-fencing, multiple site allocation and other vital information with RFID Tag.

### SOLUTION

HexaTrack RFID RTLS software system developed by Hexahash tracks and traces each and every movement of the employee from the minute they started their work till they left for the day. HexaTrack web application has site location mapping functionality which resembles to the actual work location. Each site map embedded within the software which traces number of employees in its location. Geo-fencing was defined for each employee, if they violate geofencing, management can view those employees color code changed to red and an notification would be triggered to the supervisor/manager to inform the status. A complete business intelligence and data analytic dashboard reporting tool empowered the organization and client was well satisfied and given us a recognition as their technology partner for all their other projects