

Case Study – RFID enabled multi-level parking tower solution

A Fortune 100 Networking giant with a large campus in Bengaluru needed a RFID enabled solution to help manage its complex network of multiple entry/exit points & to enhance & automate security

Challenge

- 9 storeyed Parking tower (including basement & Ground floor) with multiple entry/ exit gates totaling 11 accommodating over 1300 cars
- Difficult to keep a track of vehicles moving through multiple entry/ exit routes & to monitor any unauthorized access

Technology

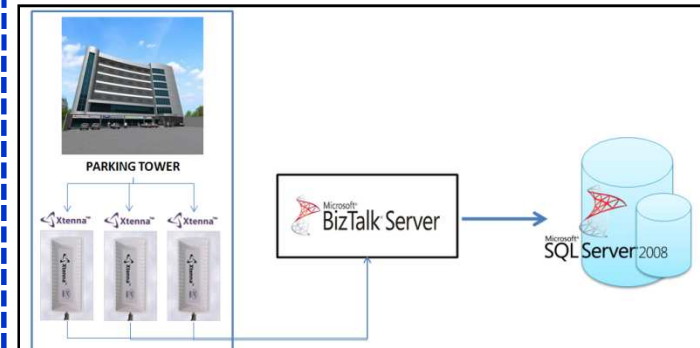
- EssenRFID's CPMS (Car Parking Management System) detects every vehicle moving into the complex wing containing multiple entry points.
- EssenRFID's technology solution encompasses a one stop shop covering RFID hardware, applications/ dashboards alongwith back-end connectivity to the server.

Proposed Solution/ Benefits

- EssenRFID deployed Xtenna™ across gates/ levels & tagging all vehicles with Essen's Parka™ tags. Digital Signages (LCD screens) providing the current parking status to vehicle owners across all levels was being deployed. This was integrated with a central back end server, transfer of all data in real-time
- By helping streamline the Queuing management process, EssenRFID's CPMS also helps the overall security process by automating & securing data in real-time.
- Interlinked with the client's internal HR management systems & similar employee related back-end systems, whenever an employee vehicle exits from the premise, an automated message to the back-end server is sent across thereby ensuring that the RFID tag ceases to function actively resulting in a full proof security enabled process



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BACK-END CONNECTIVITY WITH DATABASE

Realised business benefits

- 24x7 after service as the site can be remotely controlled & managed on the basis of TCPIP protocol
 - Ease of implementation (72 hours) as Essen's Xtenna is a pure plug & play device
- Seamless flow of data in real-time to the back-end server & no loss of transmission on account of digital signals
- Total cost of ownership is less on account of reusability of tags/ruggedness of the hardware resulting in positive ROI