

CASE STUDY

Systems Integration Giant trials METALLIC ASSET TRACKING MODULE for its facility in India



Spread across a huge facility and with office space running across several hundred square metres, it is imperative for the security personnel that critical and confidential data is not smuggled out of the office and at the same time ensuring that data theft/loss is prevented by leveraging RFID technology particularly when the number of employees is equivalent to several thousand personnel.

Company:

Siemens India, Pune, India

Facility: Office

Challenge:

- Tracking of IT assets (Laptops) which are metallic in nature.
- Ensuring that the right IT asset is being carried by the corresponding executive.
- To check on misuse of confidential corporate information being smuggled out of the premises via the transfer of IT assets.



Proposed Solution:

- All IT assets were tagged with highly specialized and rugged Metallica™ tags capable of reading RFID signals in metallic environments, and business executives were provided with Personna™ tags.
- Whenever a vehicle entered/exited the premises, the long-range readers would pick up individual signals for the employee and the IT asset, and associate the two. In case of a mismatch, an alarm would be generated in the security cabin allowing for a personal inspection of the vehicle.
- In spite of the IT asset being carried inside a shoulder bag containing paraphernalia such as other metallic objects and liquids, it would be easily detected within a matter of seconds.

Realised Benefits:

- Heightened security
- Helps maintain accurate log of IT assets in motion
- Savings of time on account of automated processes thereby leading to least human intervention

TECHNOLOGY

Solution:

EPC Gen2 compliant asset tracking and personnel tracking systems

Tag Type:

Metallica™ UHF Passive,
Personna™ UHF Passive

Reader/Antenna:

Xtenna™ Long Range

Read Range:

17 metres (50 feet)

Method:

Multiple Tracking via Integrated Reader/Antenna modules

Number of modules: 4

Integration Platform:

RFID Middleware: Xtenna™ Studio

Application: Essen RFID's Astrax Asset Tracking System and Personnel Tracking 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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