

CASE STUDY

International Baccalaureate STUDENT TRACKING MODULE for its global campus in Mumbai



An international baccalaureate program includes play school, early year, primary year and middle year programmes right upto Diploma & IGCSE. Called for implementation of next-gen technology solutions aided by RFID to create a conducive and secure learning environment.

Company:

Ecole Mondiale, Mumbai, India

Facility: School campus

Challenge:

- Several hundred students entering the school premises and being dropped as well as picked up on their completion during the day, requires point-to-point monitoring and an open communication channel with the students' parents.
- To keep the students' parents abreast about the students' actual whereabouts.



Students' ID cards are affixed with RFID tag

Proposed Solution:

- Specialised Personna™ tags were provided to each and every student. These tags verify vital student related data such as name, age, gender, home address, telephone number of parents, etc. with a back-end database.
- As soon as the student gets dropped or picked up from the school premises, an automated SMS is triggered to the students' parents that the student has reached safely to the concerned destination or that the student is being picked up at the right time and by the right person.

Realised Benefits:

- Heightened individual security
- Secure environment
- Helps build comfort factor for the students' parents eager to know about the students' actual whereabouts
- Seamless flow of information

TECHNOLOGY

Solution:

EPC Gen2 compliant personnel tracking system

Tag Type:

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 Student 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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