RFID Based Asset Tracking & Inventory Management System

For the Hotels inventory management is a big process. Every time material moves in/out from any gates separate manpower is deployed to check, track & document the material inward and outward movement. Churn of material movement on daily basis is high.

Rasilant Technologies has developed a centralized web based solution based on Motorola readers and antennas which will cater to inward outward movement of the material so that dedicated manpower will not be required. It can be implemented to multiple sites and the data can be accessed remotely through server.

Client Requirement:

Hilton hotels wanted to setup automated asset tracking & inventory management system for their premises. Client wanted to track objects which are made up of wooden, plastics, metal and fabric material on a daily basis through 4 checkpoints.
Solution:

Rasilant Technologies has set up Motorola antennas at all checkpoints. Every material which client wanted to track has been marked with RFID tag. While material movement from any checkpoints tag gets read through antenna. Antennas are connected to Motorola reader which communicates with the middleware installed at the remote server via web. Internet connectivity is provided to readers.
On the basis of their timestamp of the movement many reports are generated. e.g. Daily reports, Weekly reports, Reports of the particular object etc. 20000 objects inventory is managed on daily basis through this application.

Also various types are notification systems are implemented. e.g. Email, SMS etc.

As this software is installed on centralized server many other site inventories can also be managed remotely.