



Asset Management

Our Client

A leading Electronics manufacturing services company who had warehouses and factories distributed over wide geographic locations.

Why the needed us

There was an increasing pressure from the market to reduce the prices of electronics. Our client was not able to offer competing prices as they were already operating on a narrow profit margin. A detailed study was done on how to solve this issue. The study found various inefficiencies in their operations.

One such inefficiency was with respect to inventory mismanagement. There were 2 types of inventory mismanagement happening. One, the inventory were not placed in their appropriate location inside the warehouses. This led to delay in production as it took time locating the inventory. Two, inventory were sometimes lost in transit to the warehouses or factories.

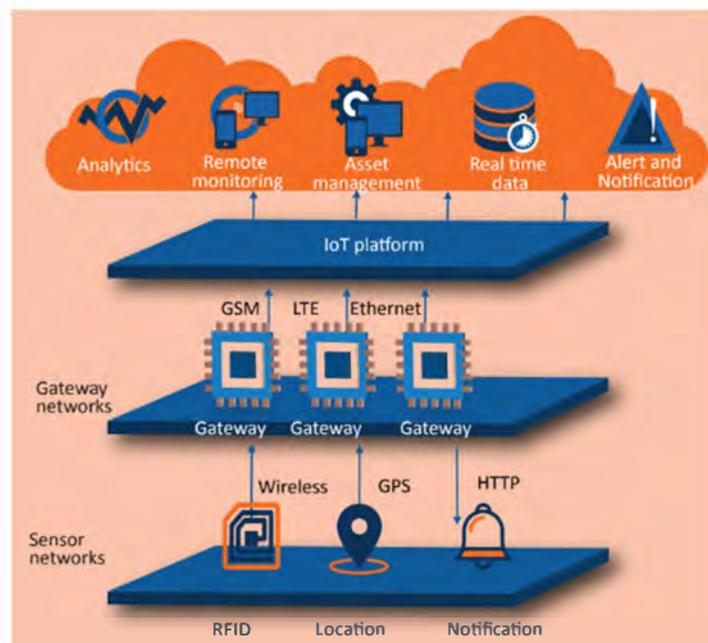
What we did

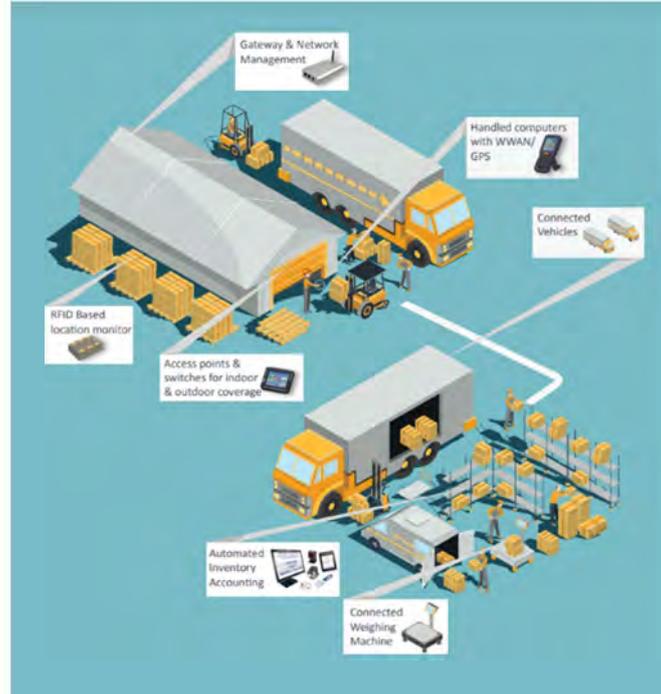
We tagged the inventory with Passive Ultra High Frequency RFID tags. Each category of inventory was assigned a particular frequency. The inventory storage location for each category of inventory was fitted with RFID readers. These readers detected the RFID tags in the inventory to check if it was the right location for the detected inventory. If not, an audible indication was given as to where the right location was. These tags and readers were also used to monitor the available inventory level and these data were pushed to the cloud.

We installed GPS trackers on the transportation containers which uploaded the real-time location of inventory in transit, to the cloud.

We built an asset management program integrated with an analytics engine and data visualization tools. This program operated on the data in the cloud to inform our client if the inventory was running late, on when the next order had to be made, if there were some anomalies in the movement patterns of inventory etc. It was designed to handle various industry specific needs such as geo-fencing, dwell times, cycle loop times etc.

We developed web and mobile applications to run on devices ranging from desktop computers to mobile phones. These applications gave our client access to meaningful information through the visualization tools of the asset management program.





We offered the asset management program using the Software as a Service (SAAS) model, which helped our client to meet their business requirements with minimal capital expenditure (CAPEX).

How they benefited

Asset visibility increased by 20%

Inventory loss came down by 65%

About Redeem Systems

Redeem Systems is a pure-play Engineering and Digital Services Company with focus on mission critical highly engineered + high availability systems. Our global presence spans Asia-Pacific, Middle-east, Europe and North-America.

Our focus verticals include – Tele-communications, Medical Electronics and Aerospace & Strategic Electronics.

Our Product Engineering competencies include Product Design and Development, Verification & Validation, Emerging Markets Strategy and Product Life-Cycle Extension through Value Analysis and Value Engineering

Our Digital competencies are focused on Industrial Internet-of-Things (IIoT), Engineering Big Data Analytics and Software Defined Networking (SDN)/ Network Functions Virtualization (NFV).