

The Client has become one of the major suppliers to almost all the reputed Original Equipment manufacturing (OEM) companies in India. Quality has always been a premium for the Client and the strict standards followed, are certified by the world's leading authority in quality certifications. In the past decade India has seen a tremendous growth in the automobile segment. The Client has been able to spearhead its contribution in this booming passenger car market with over 350 select stores in 33 regions across the country.

Solution:

Inventory Management.

Objective of Project:

1. To enable raw material location identification by barcoding the Floor/Zones.
2. To improve Inventory management with FIFO using barcode applications.
3. To enable Material identification at respective zones with Light systems.

Solutions Proposed:

The solution begins when the raw material will arrive at the premises. At this stage, database from the ERP will be imported into the QodeNext Application for GNR generation. Using this data, thermal printers provided by QodeNext will be used for raw material barcode generation, which will then be pasted onto the materials. This data will also be imported into the Hand-Held Terminals (HHT). The HHT will be used for validating the material by scanning the barcode labels.

In a similar fashion, zone identification labels are generated and pasted on the floors of respective zones. Zones labels can be generated for QC OK Materials, QC Pending Materials and QC rejected materials. These zones are represented by orange, green and red lamps respectively.

Following this the raw materials are placed in their respective locations. HHT will be then used to scan the materials and the location for validating the same. The data will automatically be updated in real time on the Application. This completes the material storage process.

The production department issues raw material indent to stores 3 months in advance. Production will issue raw material indent to stores for 3 Months advance in Excel format. The store operator will then log into the QodeNext App, sync the device and exports the raw material issue plan day wise. Materials to be issued will be scanned with HHT following which ERP is updated in real time. Materials will then be kept at issuing area for production.

Benefits:

1. Automation will streamline the order, inventory management and warehouse process, thereby minimizing the labour- handling costs.
2. The operator can view the raw materials status (QC OK Materials, QC Pending Materials and QC rejected materials) from a distance with the help of industrial lamp indicators, thereby improving operational efficiency.
3. The solution is capable real-time data updating and report generation, thereby enabling data driven decision making.
4. The solution reduces manual intervention which in turn reduces manual errors.