

CHALLENGES IN PROJECT GUARDIAN-RFID

Customer was unable to track physical asset existence within organization.

It was very difficult to physically audit the fixed assets

Major challenge was to ensure smooth operation, for which we invested on high quality tags and readers.

Reading formats standardization and detachment of labels leading to incorrect data read. Thus minimizing error and ensure smooth scan.

RFID tags selection based on metal surface and non-metal surface.

Selection of RFID tags and technology for assets only as on-going maintenance was expensive than barcode.

CHALLENGES IN PROJECT GUARDIAN-QR & BARCODE



Voluminous (300,000+ SKUs) manual SAP Entries leading to delays and causing errors in data entry. This situation is resulting in inventory mismatch and rise in late customer deliveries.



Inventory handing and taking over from one department to another department without any record leading to accountability issues.



Lack of appropriate governance mechanism to oversee inventory issuance and adjustments



Receiving material shopping list wise instead of part wise in order to avoid bulk data entry



Complex Nature of Product; specially made of multiple types of Cables and Terminals



Usage of QR Code and barcode based on size of raw material, semi finished and finished products packing



Complete Wi-Fi coverage of large manufacturing area and warehouses

Technology Used and Implemented

- Usage of multiple technologies based on suitability and feasibility

- RFID for assets
- QR code in production process
- Barcode for inventory handling



Scan Handle



Charging Dock



After Applying accessories to EDA 52



Technology Used and Implemented		
Scanning Devices:	Scanner Accessories	Printer
a) Honeywell	-Scan Handle -Hanging Belt -Charging Dock	Honeywell PD45S
b) Zebra RFID handheld and gate scanners		
HPE Aruba Networking AP-505 (RW)	HPE Aruba Networking CX 6000 12G	D19-10 Monitor, With CPU
SAP Fiori App	Android Apps	3rd Party App



PROJECT RESULTS



Real-Time Inventory
and Asset Tracking



Timely Fulfillment of
Customer Orders



Reduced Inventory
Shortages



Efficient Resource
Allocation



Reduced Labor
Overtime



Enhanced Customer
Attraction



Enhanced Asset
Monitoring