

Implementation of EWM 9.4 with MFS replacing multiple WCS and re-imagining the processes for post GST scenario

Business Objective

- Re-engineer the business processes through SAP EWM 9.4 Implementation at BSR Warehouse and Finished Goods (FG) DC of APL's Ankleshwar Plant
- Eliminate the dependency on the Dematic Sub Driver using MFS thus improving the reliability on the ASRS

Business Challenges

- Ankleshwar Plant and DC handle highest number of the SKUs for APL
- Hard constraint of PLC and telegram structures
- Brownfield DC and BSR Warehouse with high business impact
- Complex outbound process with need to simulate the waves to be created for deliveries for better operations management
- Need to handle ASRS and Non – ASRS storage types

Solutions Provided

- Use of MFS to control Double Deep ASRS
- Implementation of Opportunistic Cross Docking to de-bottleneck the ASRS by up to 15% of load
- Re-design the Interleaving Strategy thus improving the ASRS throughput by 8%
- Design the picking and put away strategy based on the product classification
- Integration of the EWM with Telnet for RF HHT usage



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Value Delivered to the client

- Increased hardware reliability using standard SAP MFS interface
- 15% reduction in ASRS load due to cross docking and improved picking and put away strategies
- 8% improvement in the throughput of the ASRS through improved Interleaving strategy