S/4HANA Extended Warehouse Management

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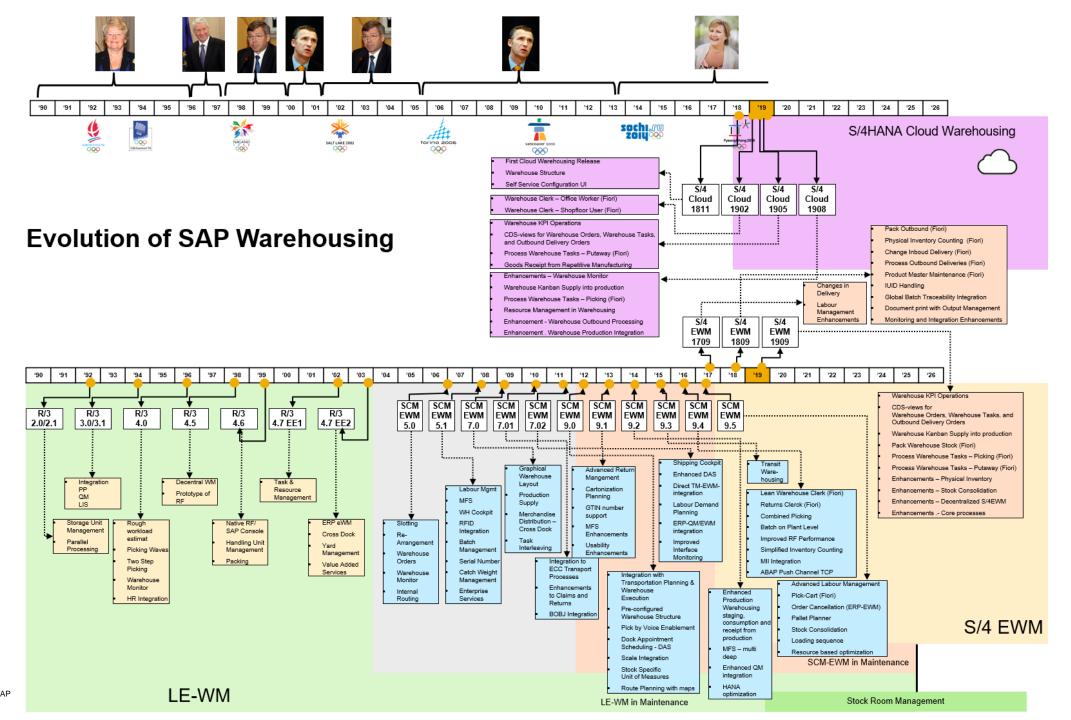
PUBLIC

SBN Conference 2019
SAP Filisofi for logistikk - Deep Dive Demo into Extended Warehouse Management (EWM)









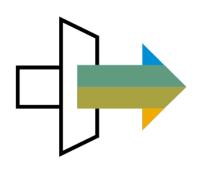
SAP Extended Warehouse Management – Best in Class Warehouse Management Solution



Shift to Modern Organized Warehousing

From traditional stocking warehouses to flexible multi channel fulfilment centers







Barcode based

Reactive

RF Based Execution

Storage operations

Siloed function

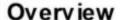
Passive storage

Cloud technology Robotics Mobile and RFID

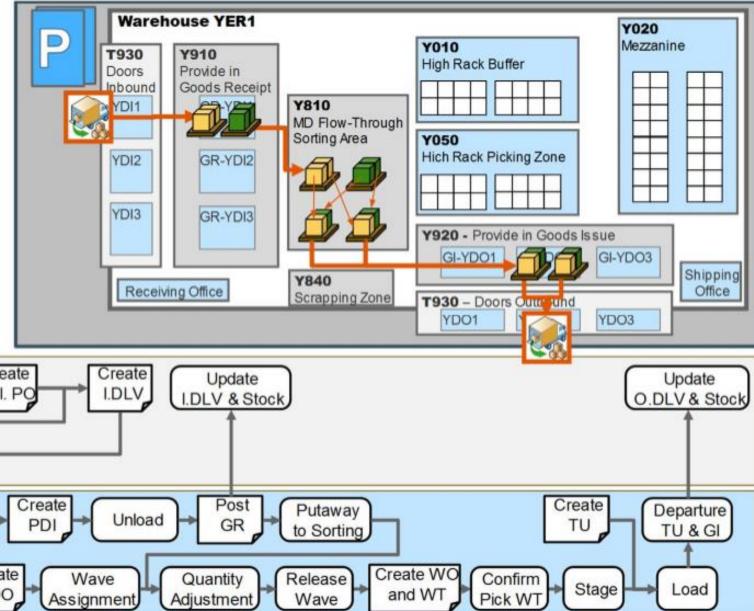
Voice Picking Augmented Reality Automation

Optimization and Flexibility Value Added Services

Maximize order fulfilment efficiency and accuracy for competitive advantage



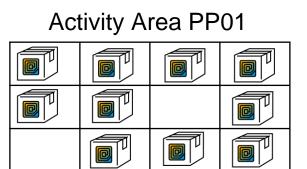
- Collective PO contains aggregated quantities for both stores
- 1 Inbound delivery
- 2 Outbound deliveries
- Quantity adjustment in EWM due to underdelivery from supplier
- Stores are served by the same route

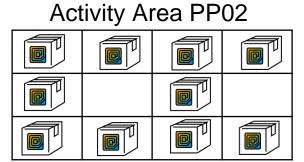


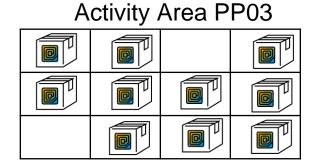
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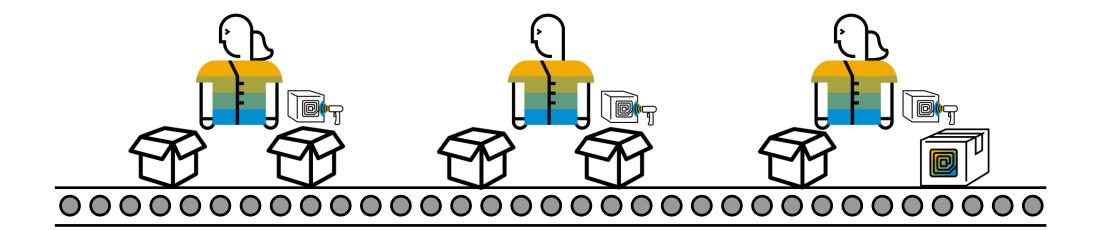
Create Create Merchandise Distribution Coll. PO STO Flow Through Create O.DLV Create Create Create ODR ODO

Demo: Pick & Pass



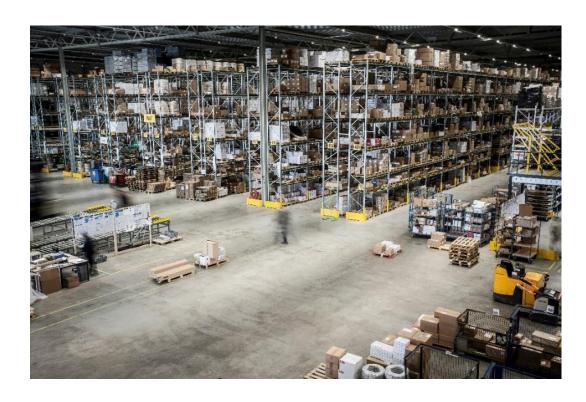






SAP Extended Warehouse Management

Business benefits





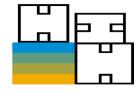
Higher customer service

Stock

transparency



Process standardization



Reduced inventory and labor costs



Flexibility to order processes



Improved space utilization

Typical results

•Organizations adopting warehouse management systems experience benefits such as

48%

Lower customer order cycle time

6%

More orders shipped on time

Efficient Labor Allocation

Reduced Operational Expenses

Source: SAP Performance Benchmarking

SAP Extended Warehouse Management





Integration



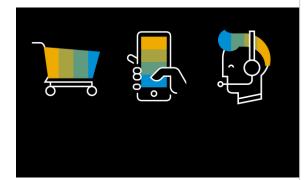
Deployment



IoT

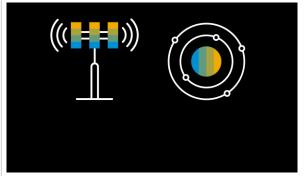
- Continuous core improvement for SCE
- New industry capabilities

- Enhanced SCE platform integration
- Enhanced integration with SAP S/4HANA
- SAP EWM embedded in SAP S/4HANA
- SAP EWM Standalone, Connected to ECC or S/4HANA
- SAP EWM in STE and S/4 HANA Cloud
- Next-generation automation and robotics
- Enhanced device and asset connectivity
- Integration with wearable devices add new layer of visibility









SAP Extended Warehouse Management – Inbound Processing



Inbound Processing

- Transportation unit processing
- Goods receipt management and optimization
- Inbound quality management
- Internal routing





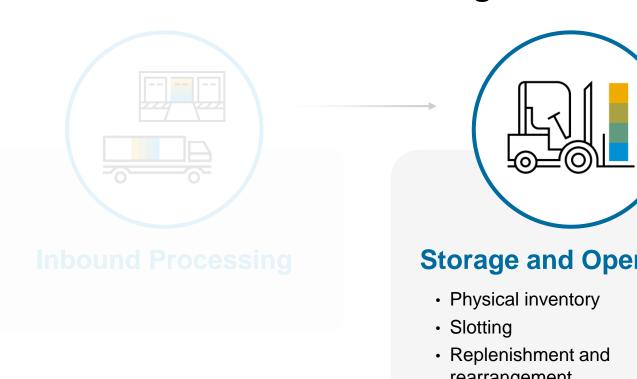
Storage and Operations

Outbound Processing

Business Benefits

- Optimize use of manpower
- Facilitate cross-docking
- Streamline receiving and dock management
- Optimize inventory placement in the warehouse with flexible put-away strategies
- Improve inbound inventory visibility

SAP Extended Warehouse Management – Storage and Operations





Storage and Operations

- rearrangement
- Kit-to-stock management
- Value-added services
- Transit warehouse
- Warehouse billing



Business Benefits

- Track every unit to the lowest level of detail
- Manage inventory balances on an ongoing basis
- Reduce effort for annual physical counts
- Eliminate inefficient movement and redundant effort
- Improve facility utilization

SAP Extended Warehouse Management – Outbound Processing



SAP Extended Warehouse Management – Built in optimization



Optimization



Cartonization & Pallet Planning



Wave management



- Warehouse order creation of optimal work packages
- Internal routing
- Slotting optimal storage
- Interleaving for internal movements

- Creation of shipping handling units (HUs) based product master data and outbound delivery orders, -
- Leverages advanced package building optimization algorithm
 - -weight, height, and volume
 - picking sequence

- Optimal grouping of warehouse requests/orders to control warehouse activities
- Automatic, semi-automatic & manual wave planning & release
- Template-driven wave creation

- Merge partial quantities into complete
- Free up warehouse space

Improved warehouse productivity and routing

Automatic and efficient shipping-unit determination

Optimized work orders; efficient pick path

Consolidate partials to free up space

Thank you.

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Must have documents here:

