

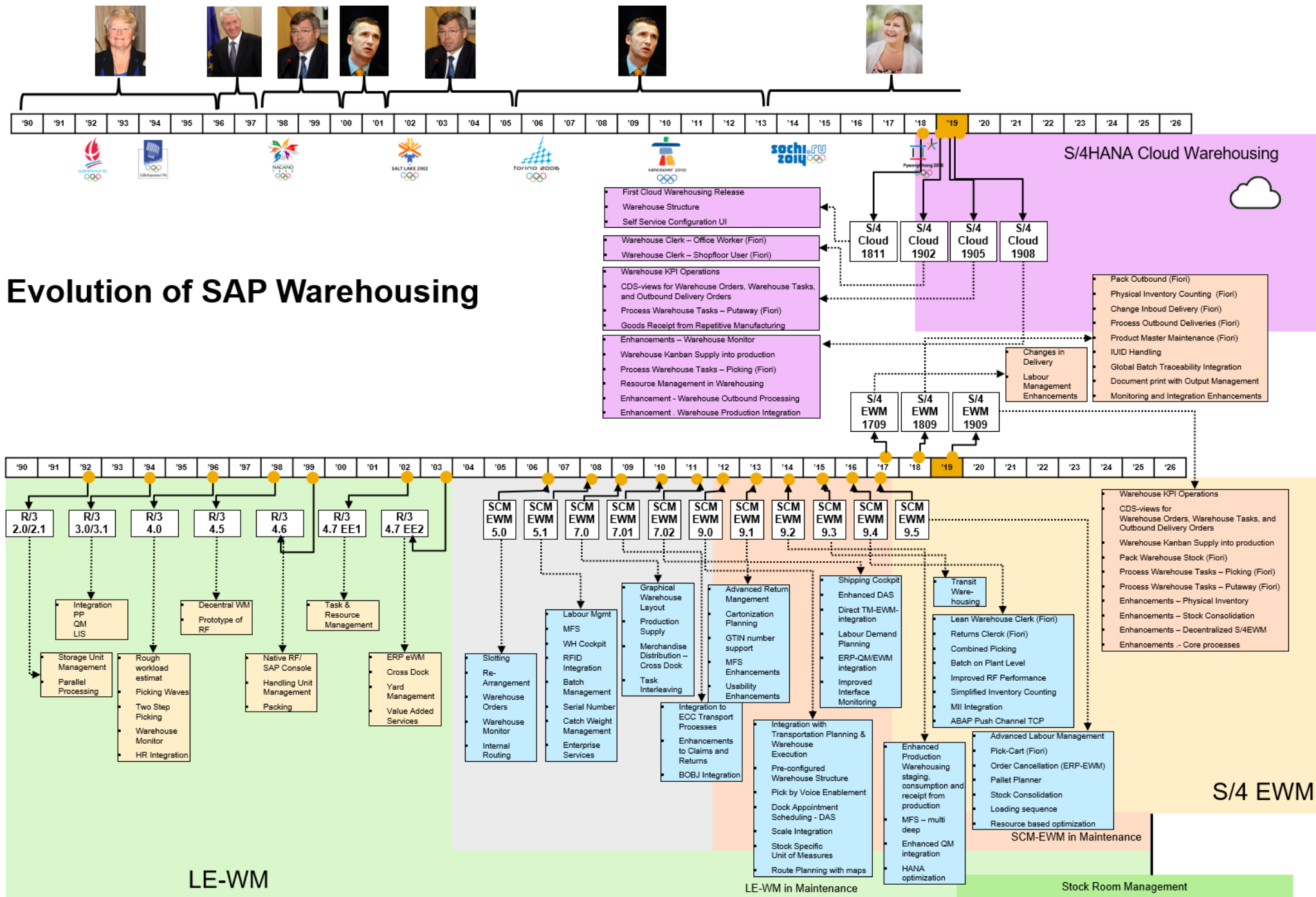
S/4HANA Extended Warehouse Management

Trond Røvang, Solution Expert, SAP
2019-10-23

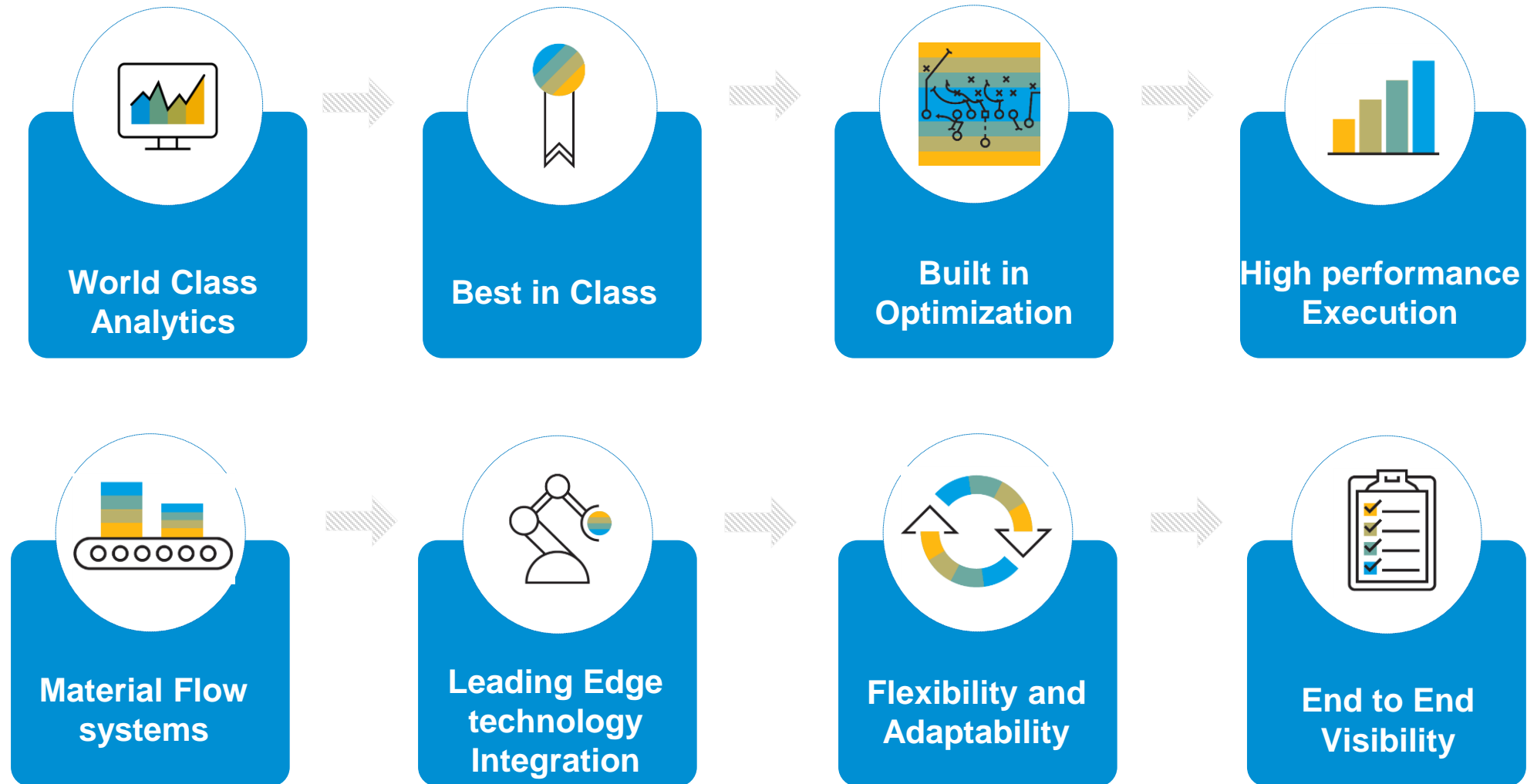
PUBLIC

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



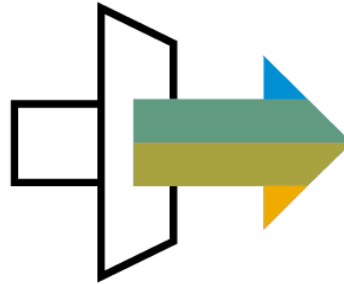


SAP Extended Warehouse Management – Best in Class Warehouse Management Solution



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

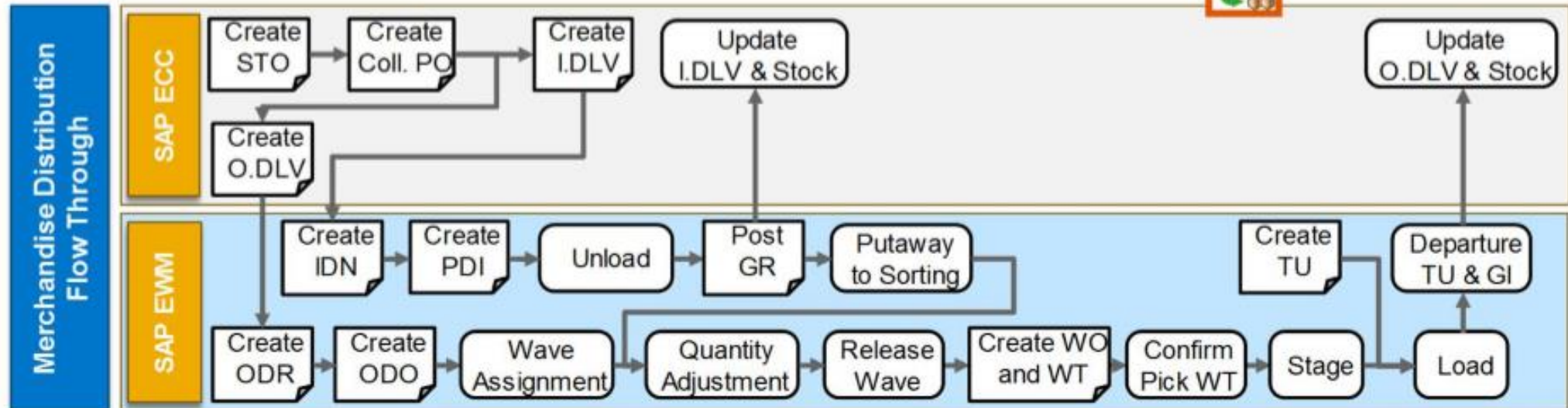
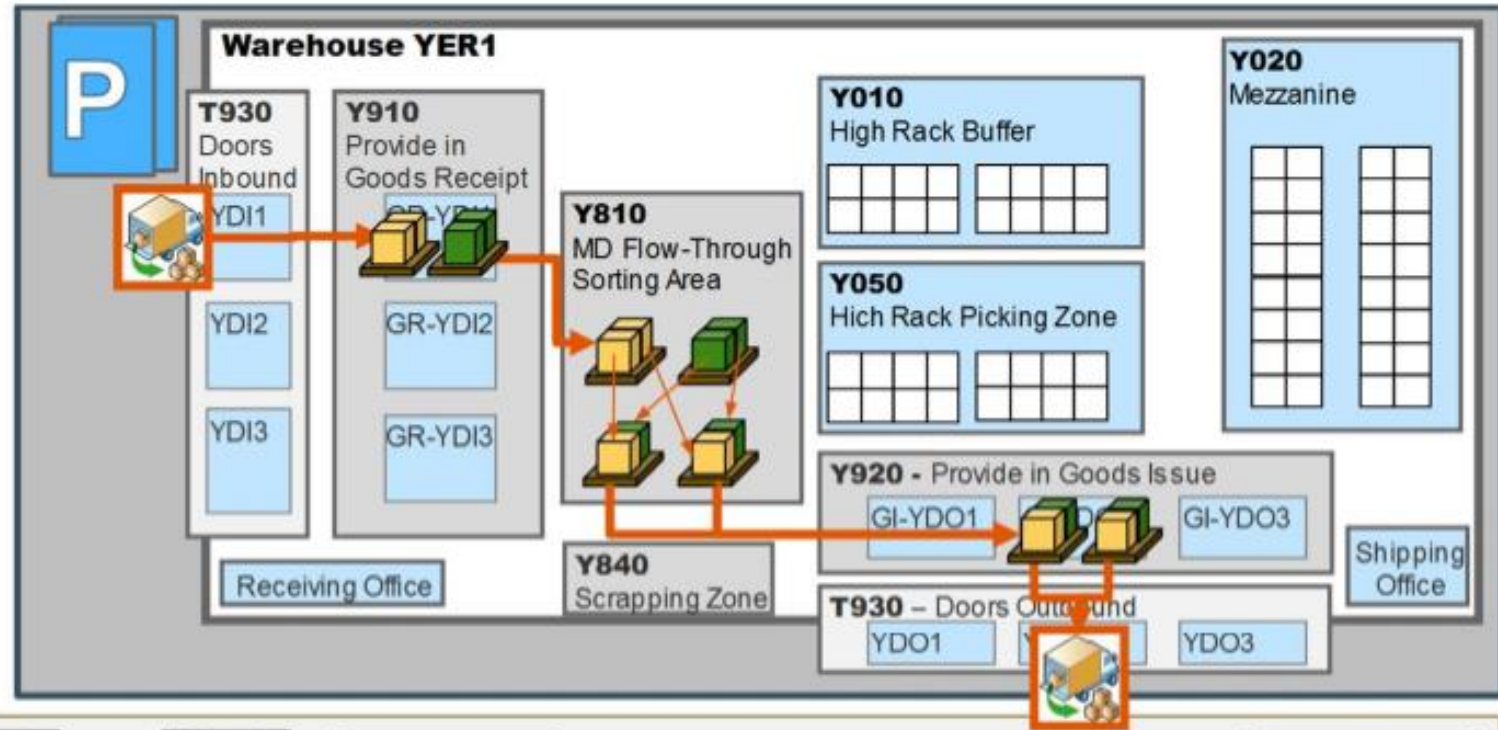
Optimization and Flexibility

Value Added Services

Maximize order fulfilment efficiency and accuracy
for competitive advantage











Overview

- 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













Demo: Pick & Pass











Activity Area PP01

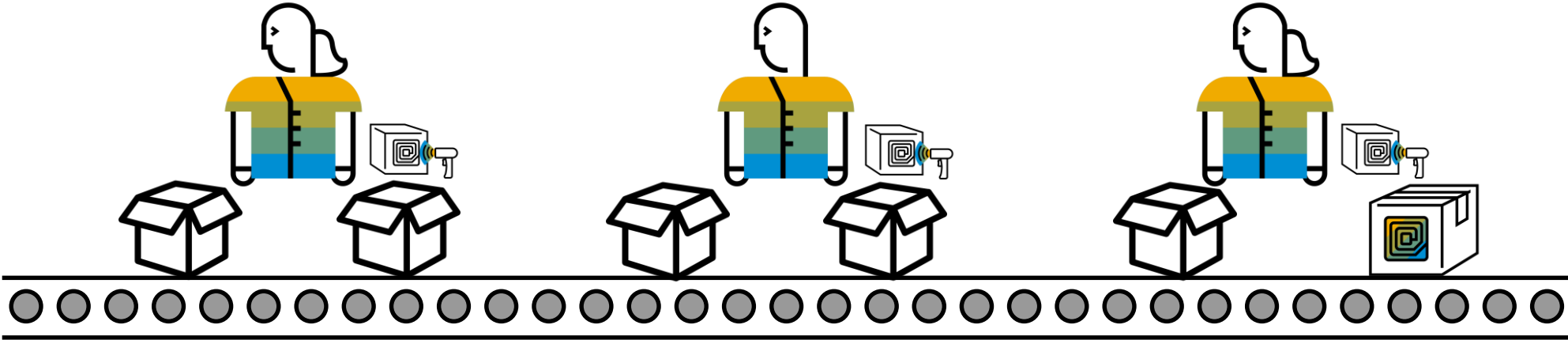
			
			
			

Activity Area PP02

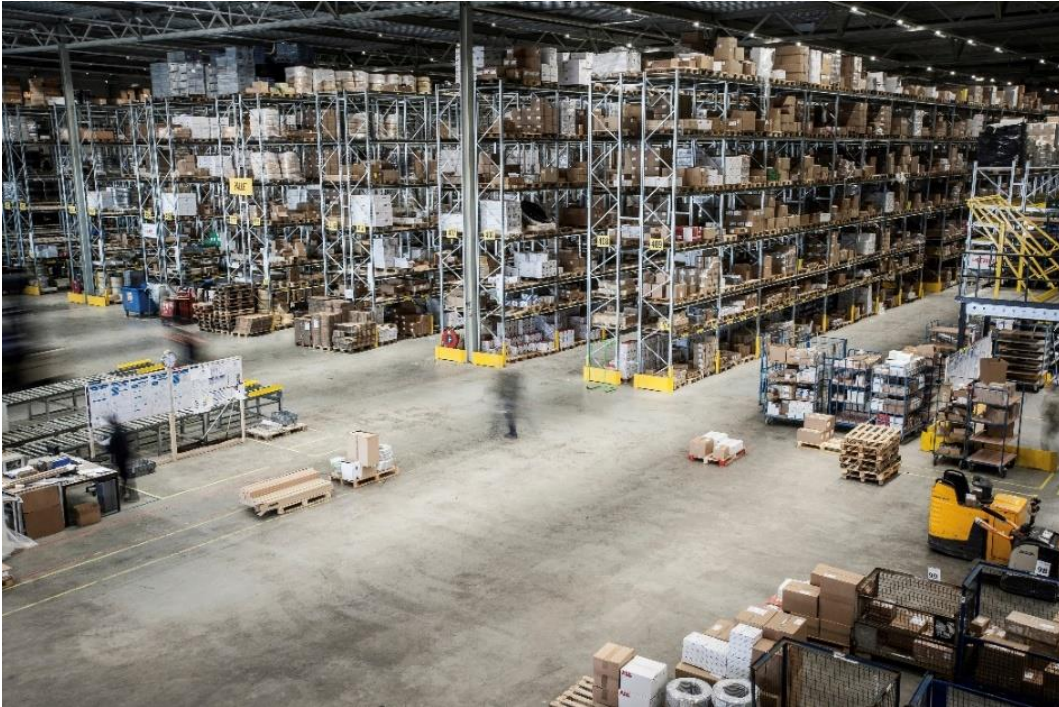
Activity Area PP03



SAP Extended Warehouse Management

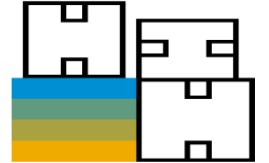
Business benefits



Higher customer service



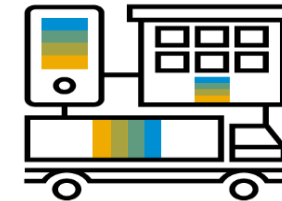
Process standardization



Reduced inventory and labor costs



Stock transparency



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

SAP Extended Warehouse Management



Functional

- Continuous core improvement for SCE
- New industry capabilities



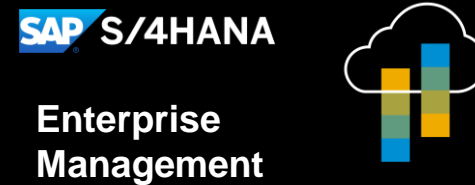
Integration

- Enhanced SCE platform integration
- Enhanced integration with SAP S/4HANA



Deployment

- 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

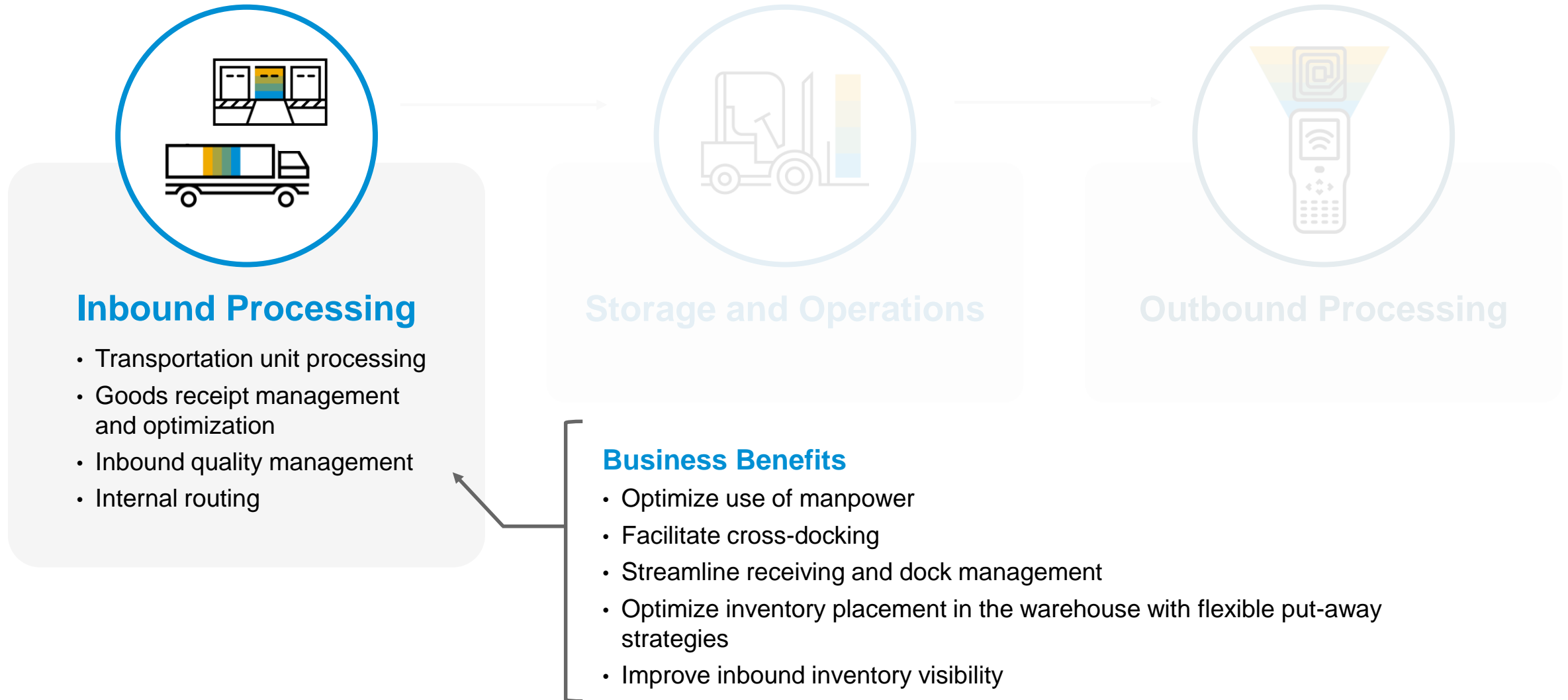


IoT

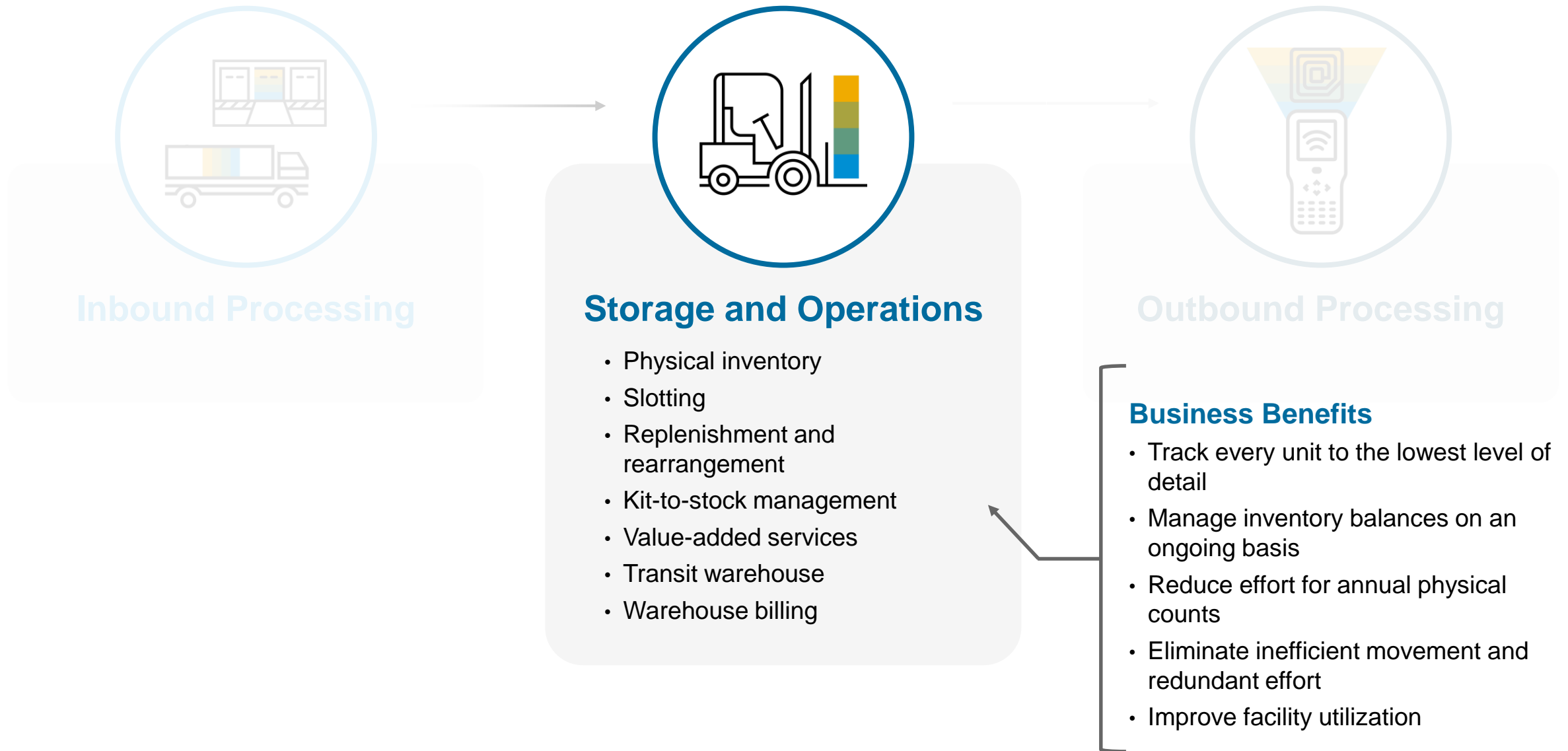
- Next-generation automation and robotics
- Enhanced device and asset connectivity
- Integration with wearable devices add new layer of visibility



SAP Extended Warehouse Management – Inbound Processing



SAP Extended Warehouse Management – Storage and Operations



SAP Extended Warehouse Management – Outbound Processing



SAP Extended Warehouse Management – Built in optimization



Optimization

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



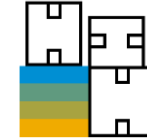
Cartonization & Pallet Planning

- 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



Wave management

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



Stock Consolidation

- 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.

Trond Røvang

trond.rovang@sap.com

[Must have documents here:](#)