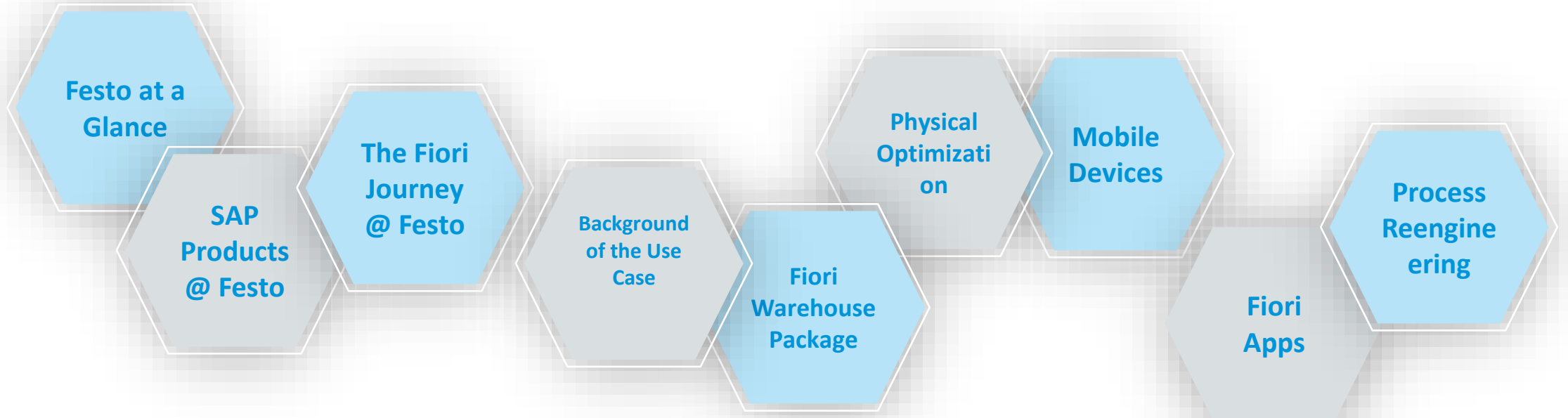


Festo Fiori Enabled Warehouse Light Solution



Tracy Zhu
IT Applications Manager
Festo IT Competence Center Americas

Agenda



Festo at a Glance

Companies in
61 countries

Over **250**
branch offices

After-sales
Services in
176 countries

Customers
Automation
> 300,000

Customers
Didactic
> 56,000

Employees
worldwide:
21,200

Turnover:
3.2 billion Euro

Our Business Sectors



Automation



Process Automation

Factory Automation



Training and Consulting



Didactic



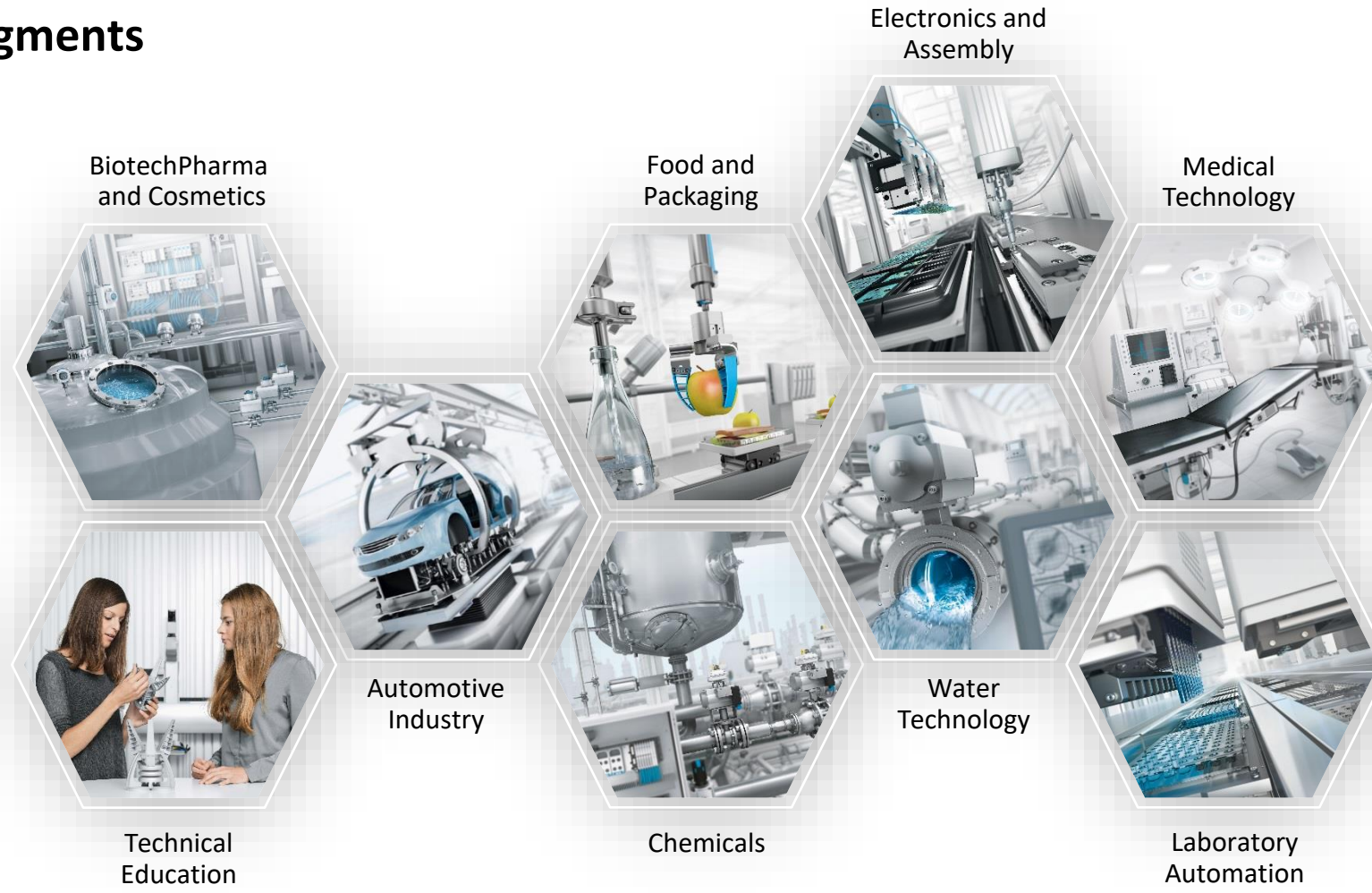
Learning systems



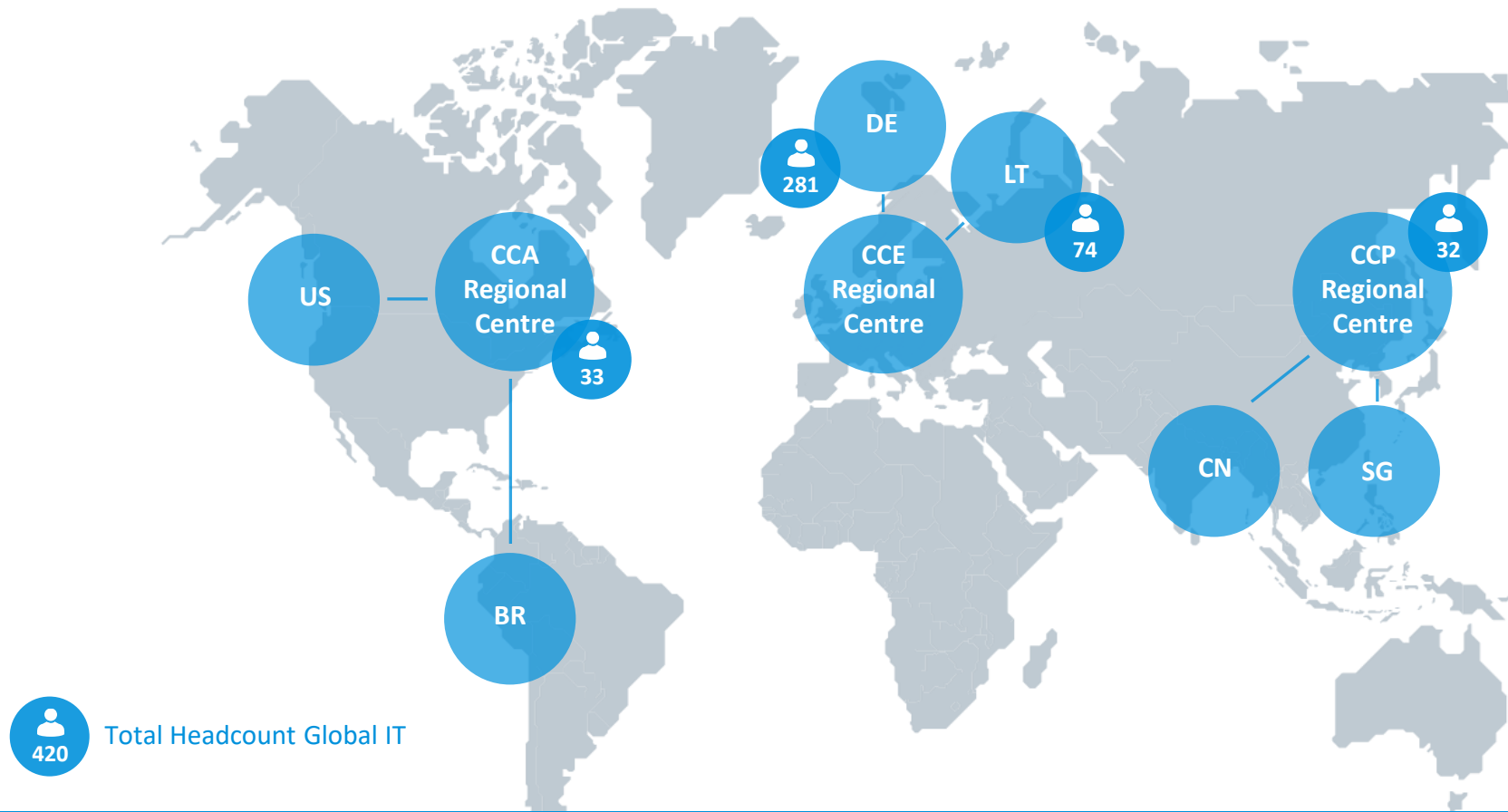
Automation – Our Portfolio



Industry Segments

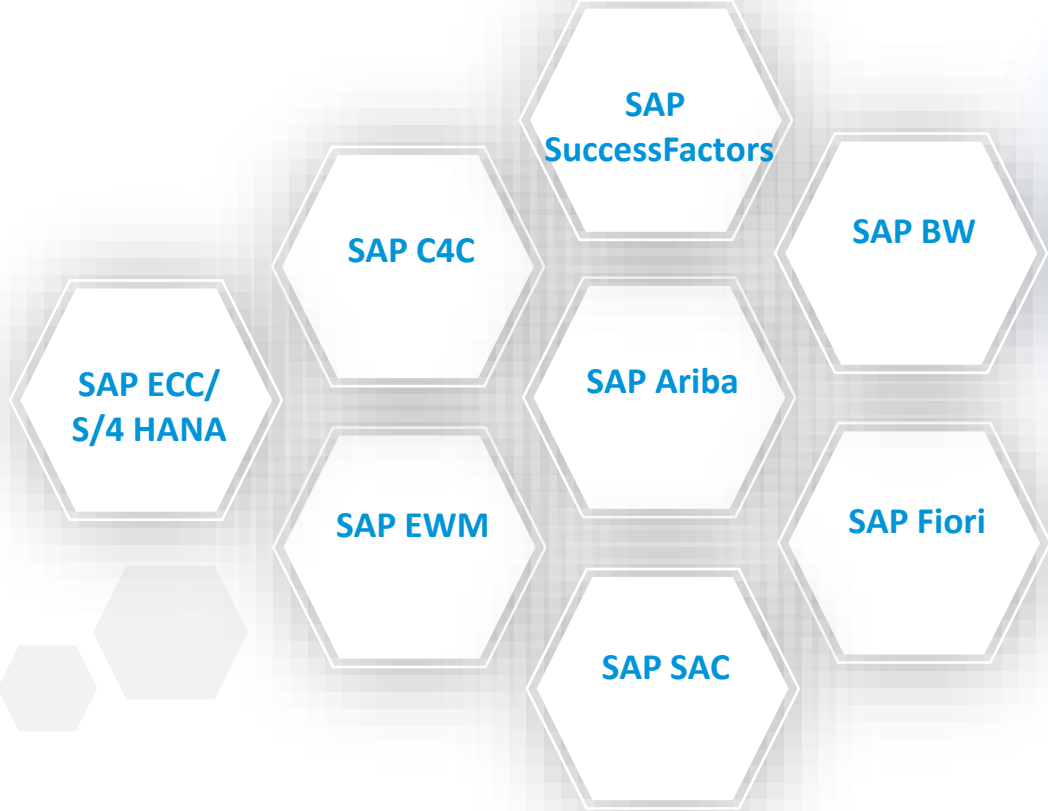


Global IT Organisation and Regional Centers

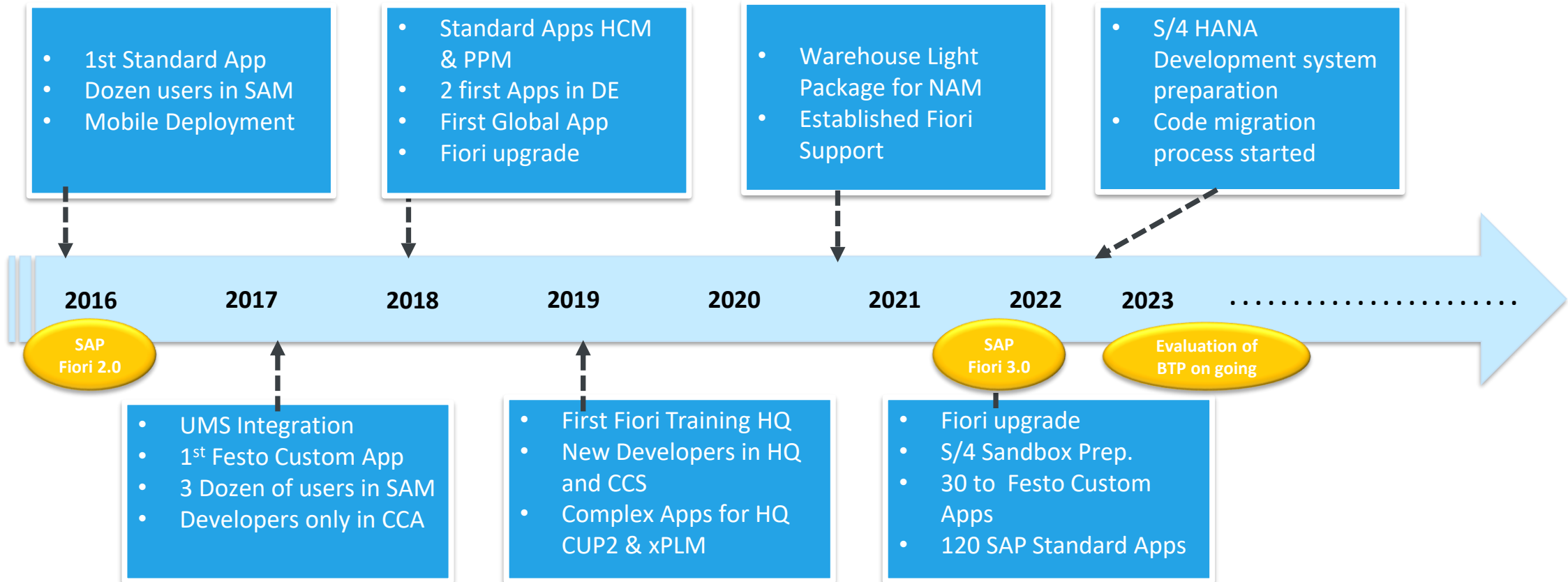


Global IT Organization Established in 1994

SAP Products @ Festo

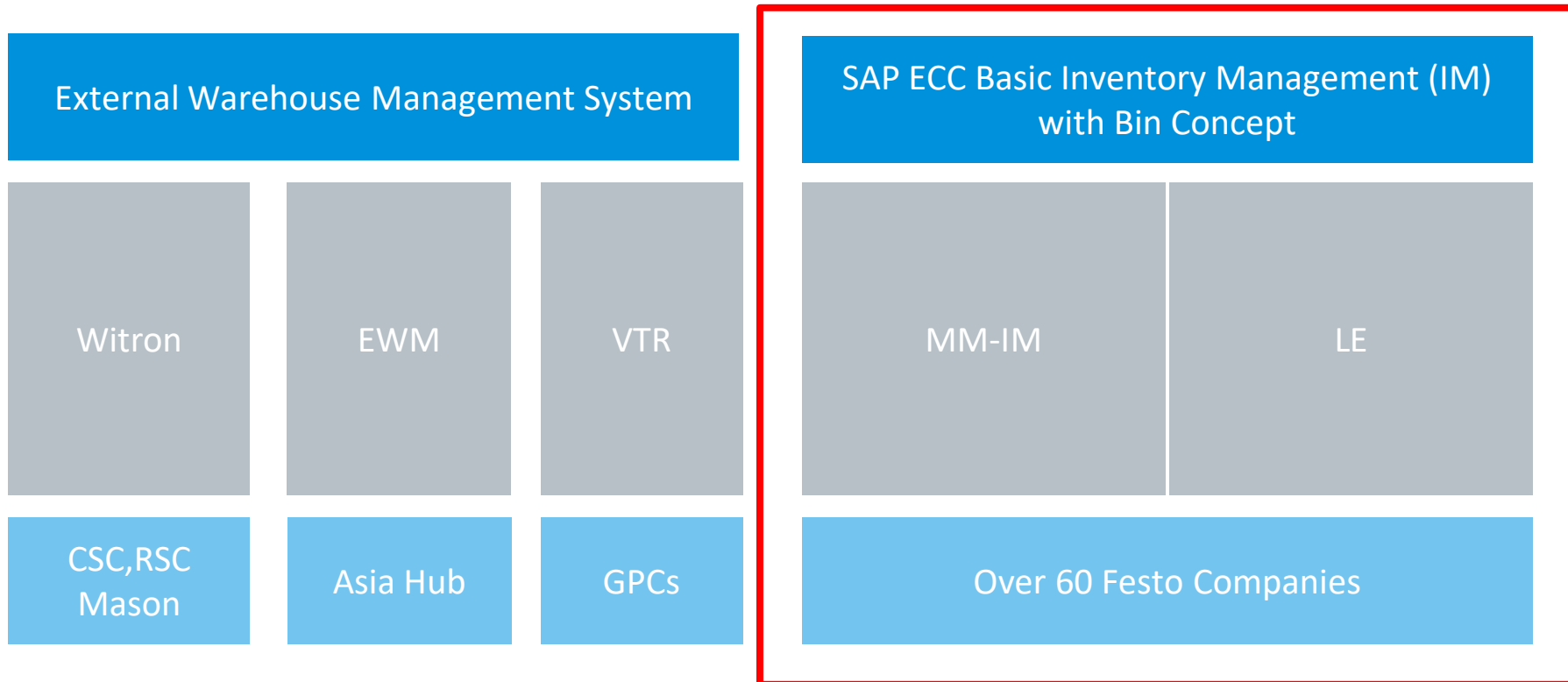


The Fiori Journey @ Festo



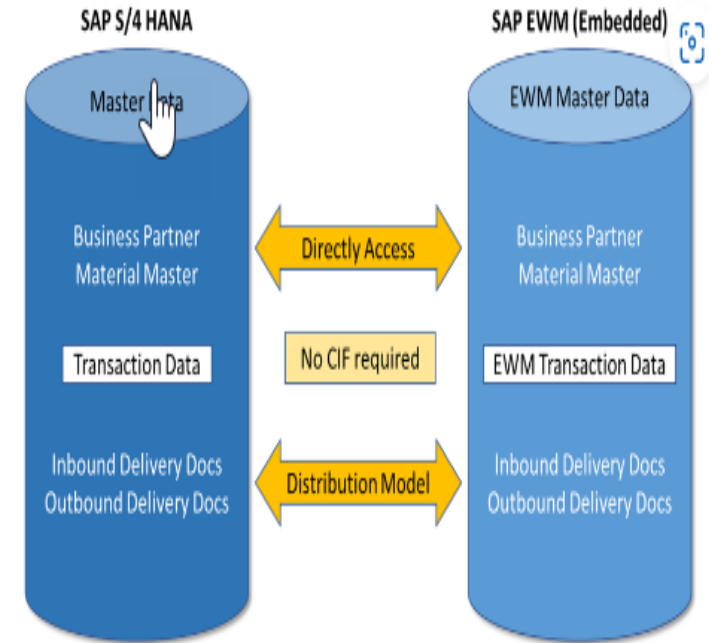
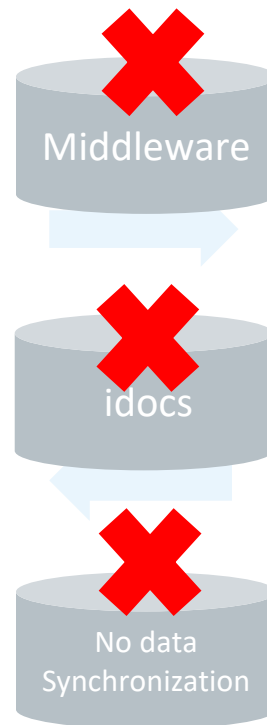
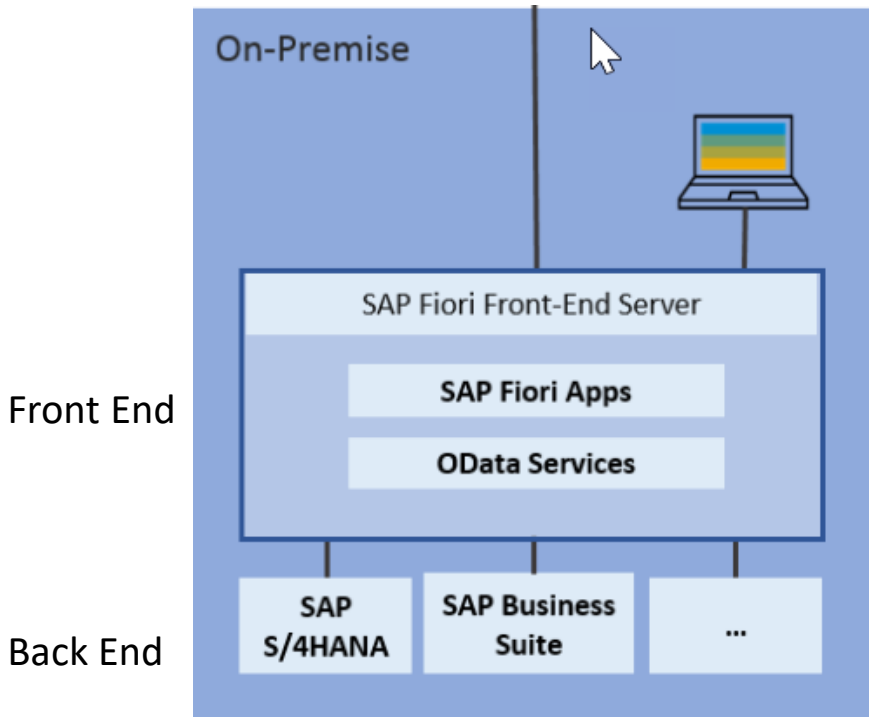
General Background of the Fiori Use Case

Paper is still the main tool to guide physical warehouse work in over 60 Festo companies, including some small plants in Festo North Americas



Fiori Enabled Warehouse Light Solution Architecture

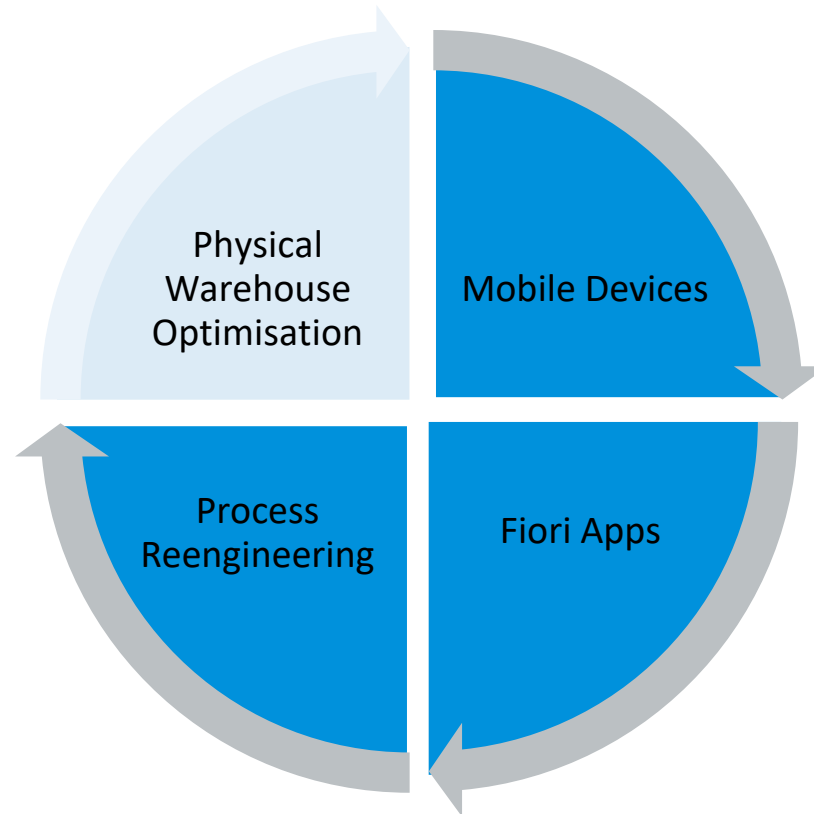
No middleware WM System compared to SAP EWM/EWM (Embedded)



Data Transfer between SAP S/4 HANA & Embedded EWM

Fiori Enabled Warehouse Light Solution Core Components

These four components go hand-in-hand for the success



Physical Shelving Improvements

Bay labelling



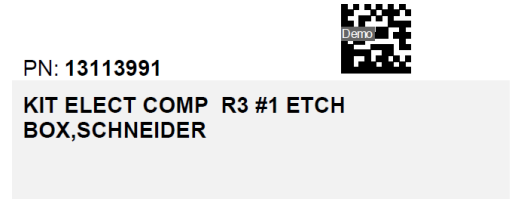
Regular stock Bay
8" x 6" White Background, Black lettering

Rack labelling

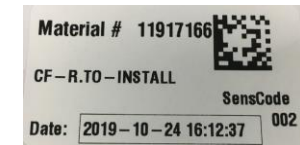


Rack Numbers
3" x 2.5" Dark blue Background, white lettering

Fixed Bin Label



Receiving Material Label

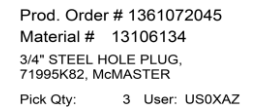


Overstock Bay
8" x 6" White Background, Red lettering



Rack levels
2 x 1.5" Yellow background, black lettering

Material Picking Label



Warehouse New Physical Shelving Improvements

One material one storage bin



New Fix Bin Labels

Barcode Scanning to ensure quality

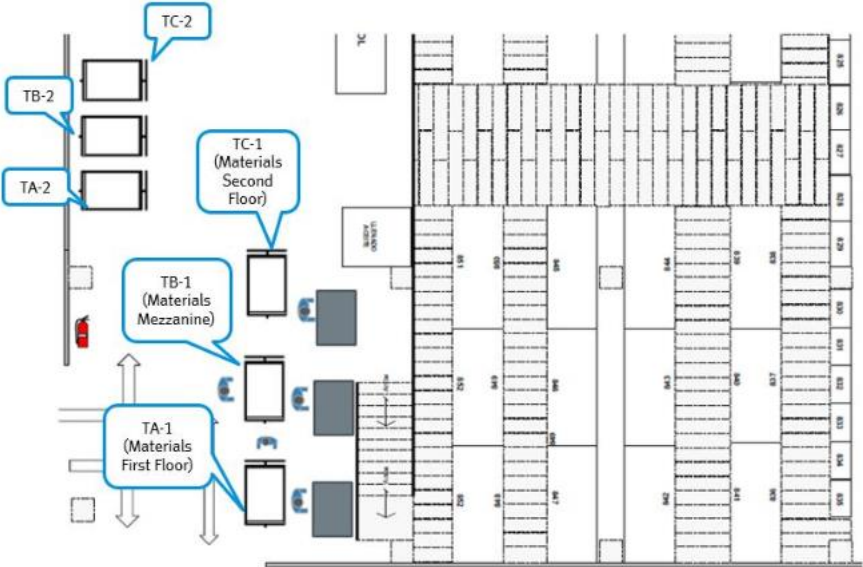


Material labels

Location Labels

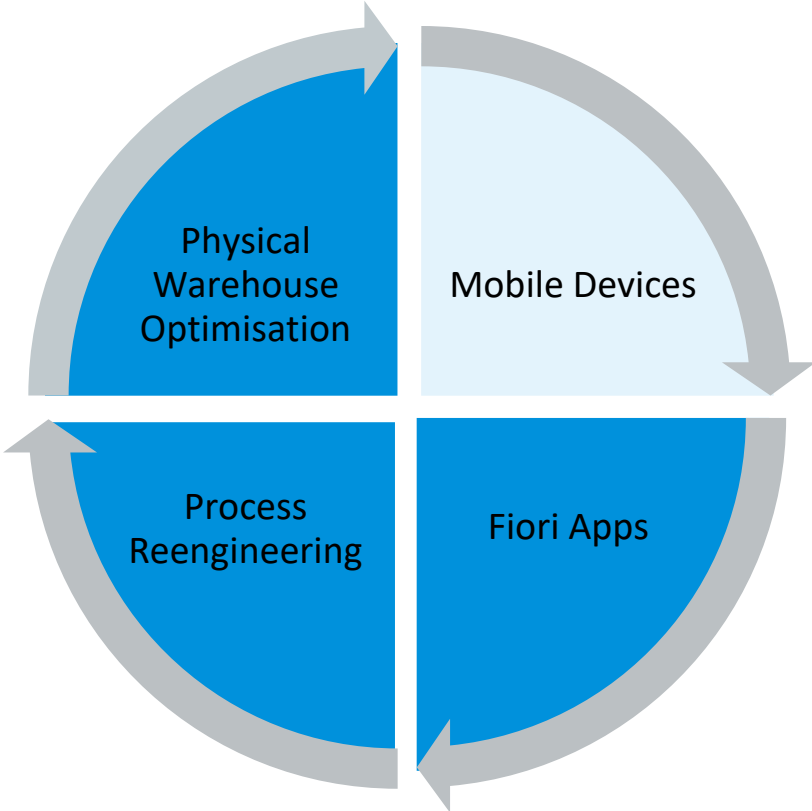
Put-away Trolley

Container barcode help manage the put-away effectively and efficiently



Fiori Enabled Warehouse Light Solution Core Components

These four components go hand-in-hand for the success

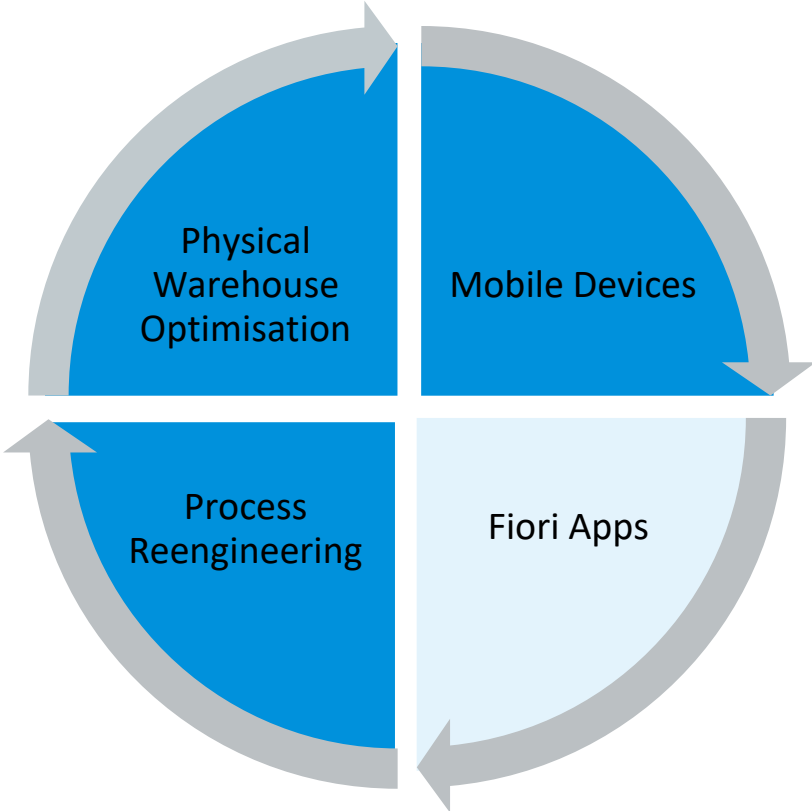


Using Industry Standard Mobile Devices



Fiori Enabled Warehouse Light Solution Core Components

These four components go hand-in-hand for the success



Current Apps Overview

Inbound Logistics

Goods Receipt



Outbound Logistics

Delivery Picking



Internal Logistics

Production Order Picking



Cycle Counting

Count Stock
Festo



Manage Stock
Counting
Festo



Quality

Report Quality Issue

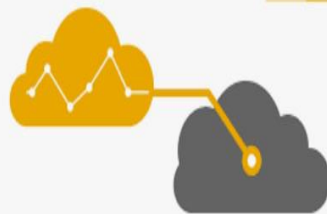


Packing Processes



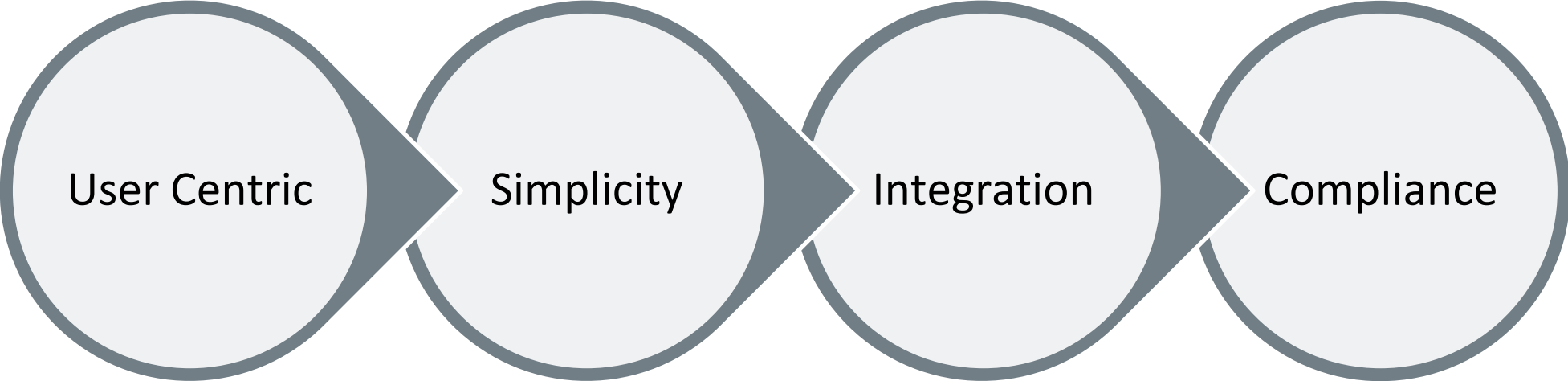
SAP Systems SSO

Performance Dashboard

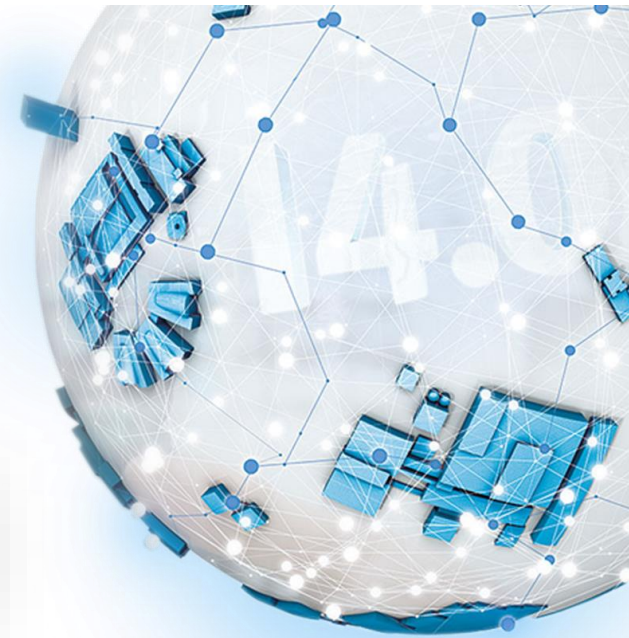
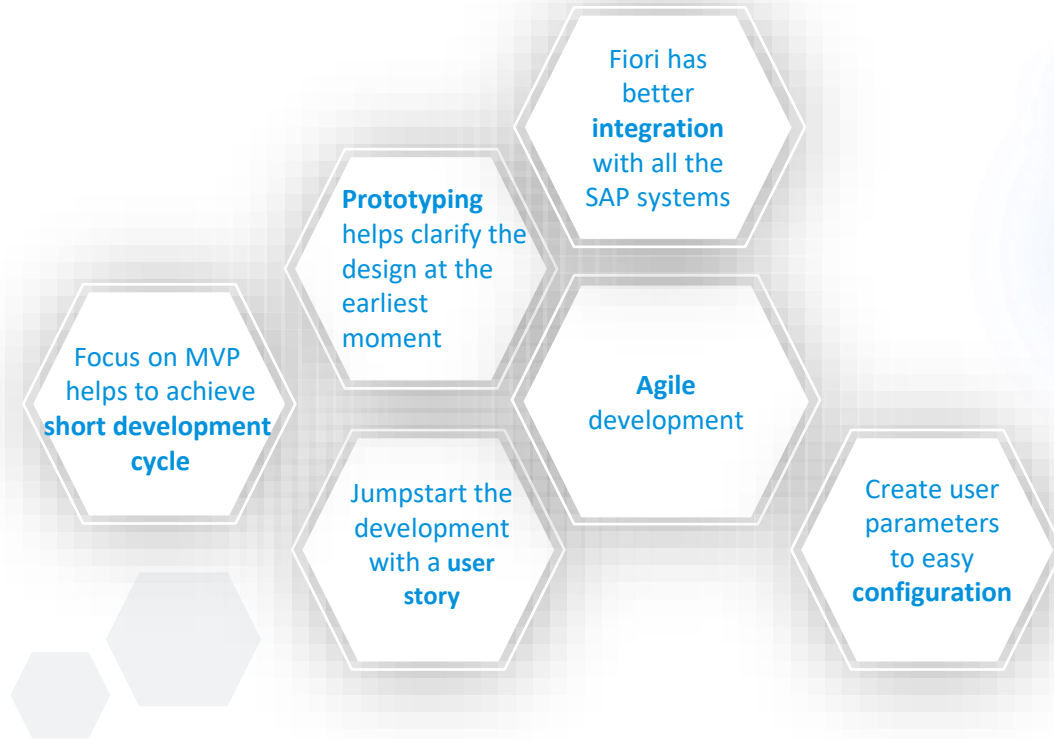


SAP® Analytics Cloud

Design/Development Guiding Principles

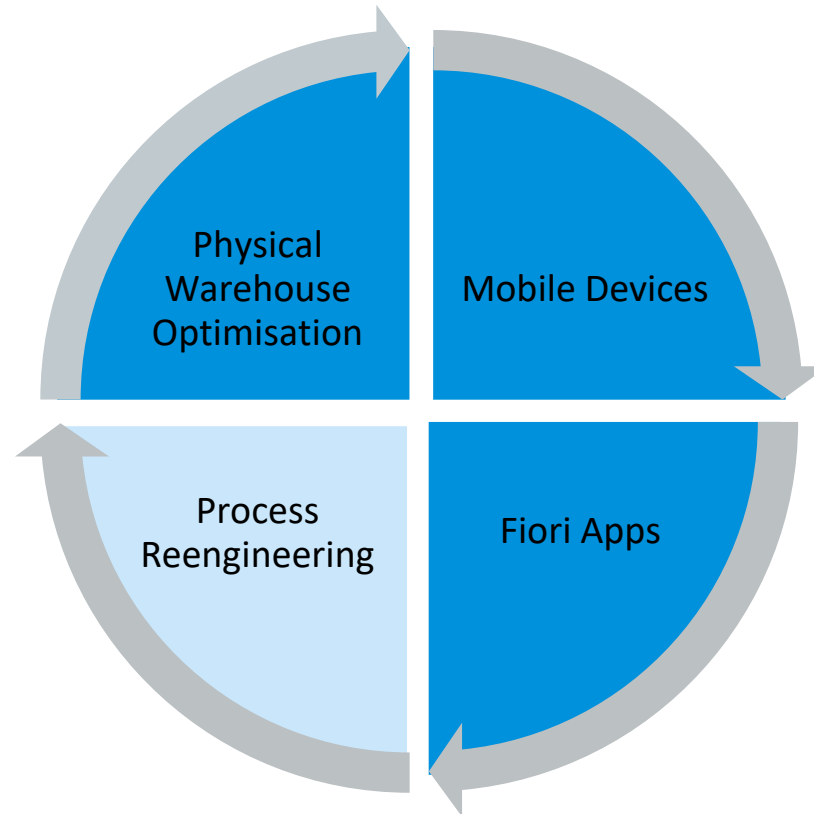


Lessons Learnt/Experience Sharing



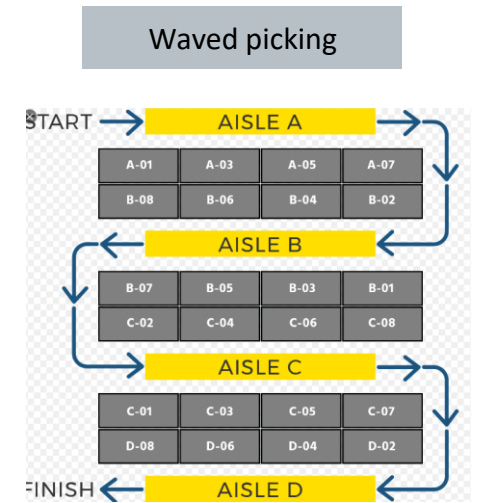
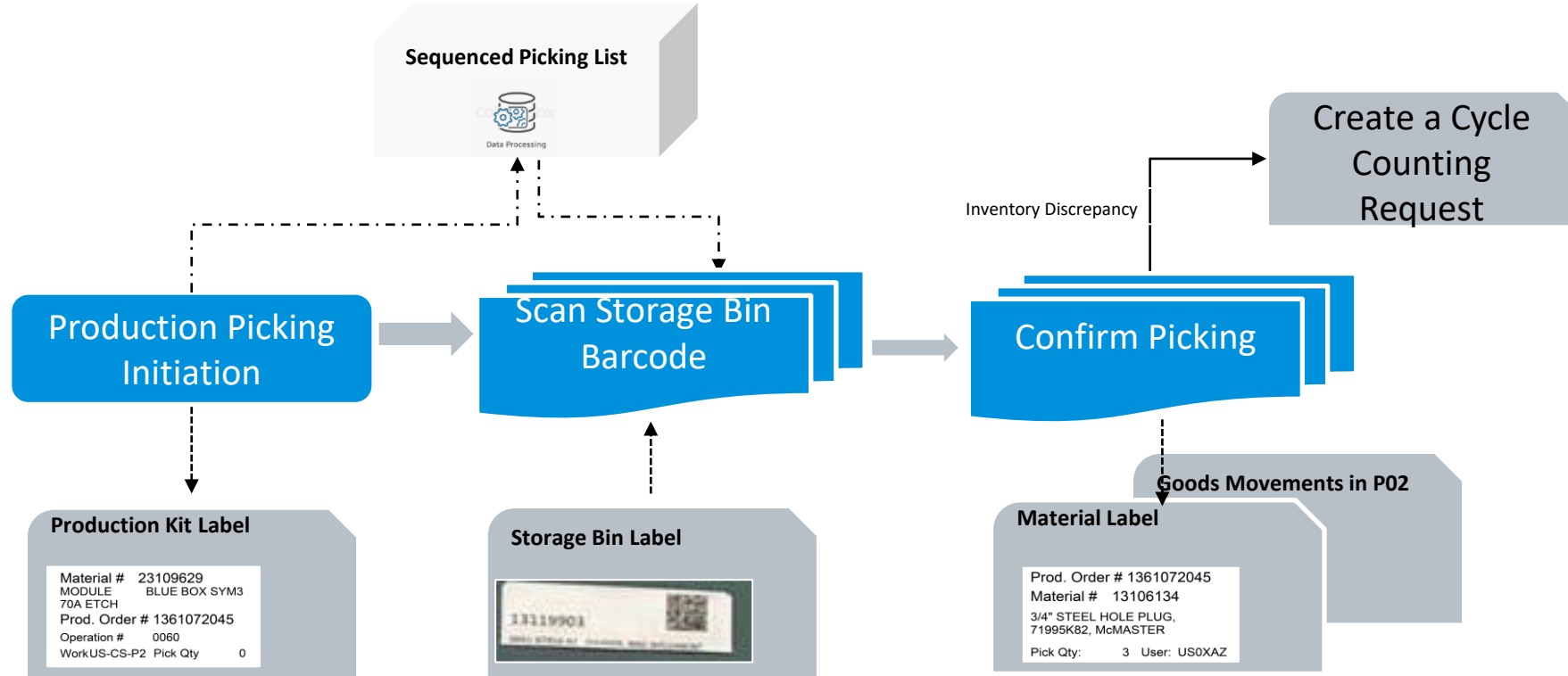
Fiori Enabled Warehouse Light Solution Core Components

These four components go hand-in-hand for the success



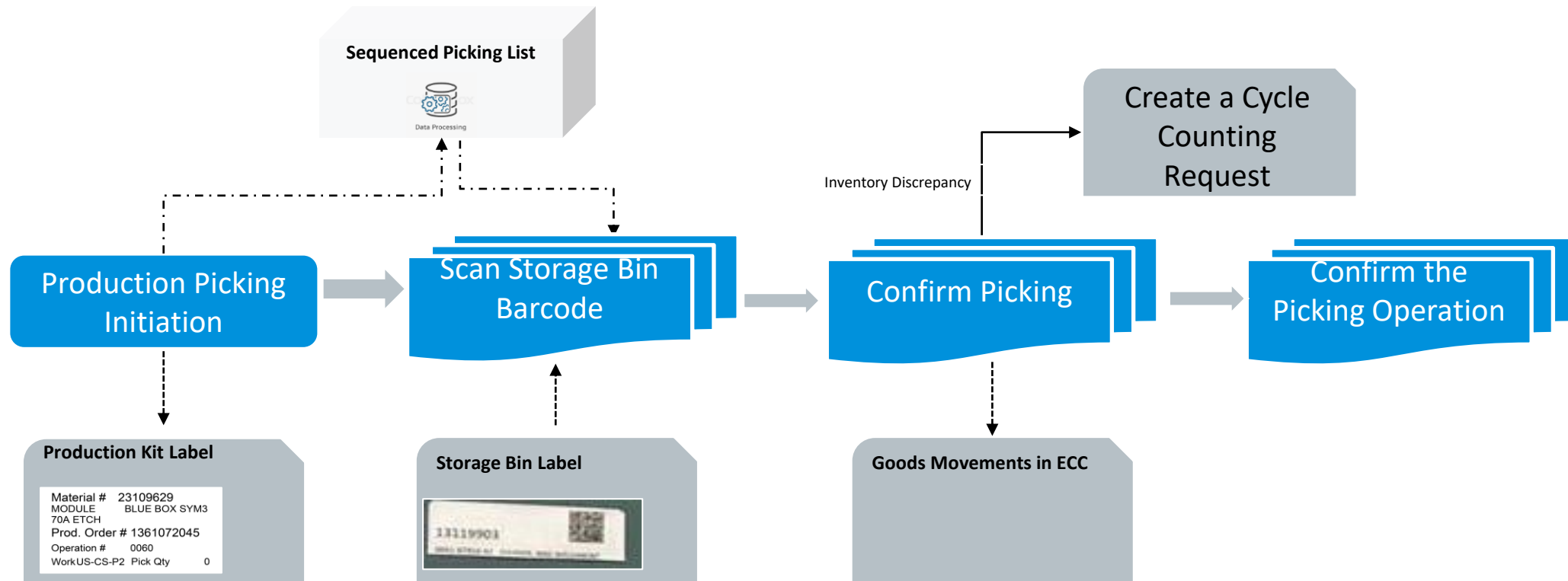
Production Picking App -Warehouse

- The High-Level Process



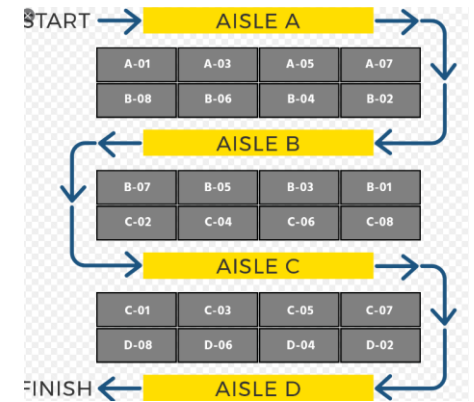
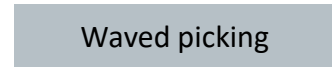
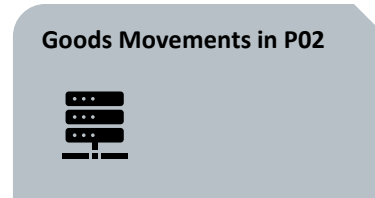
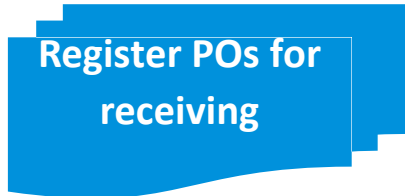
Production Picking App-IntraLogistics (KANBAN)

- The High-Level Process

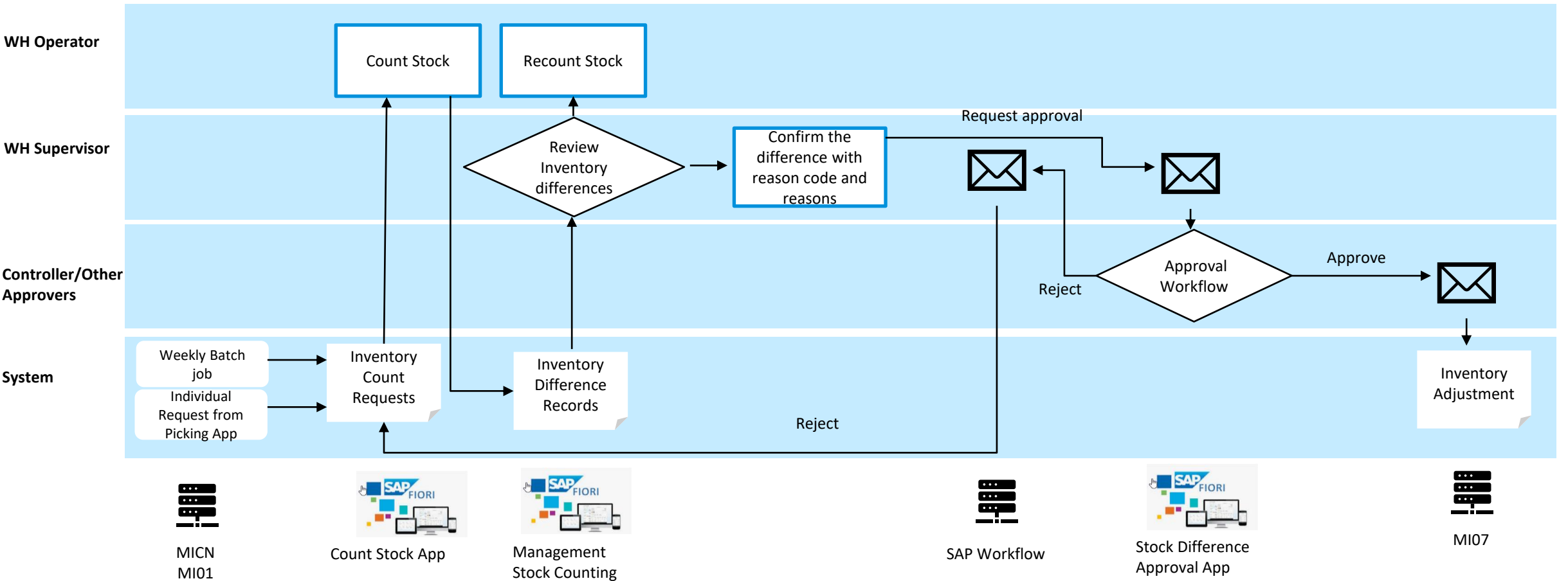


Goods Receiving App

- The High-Level Process

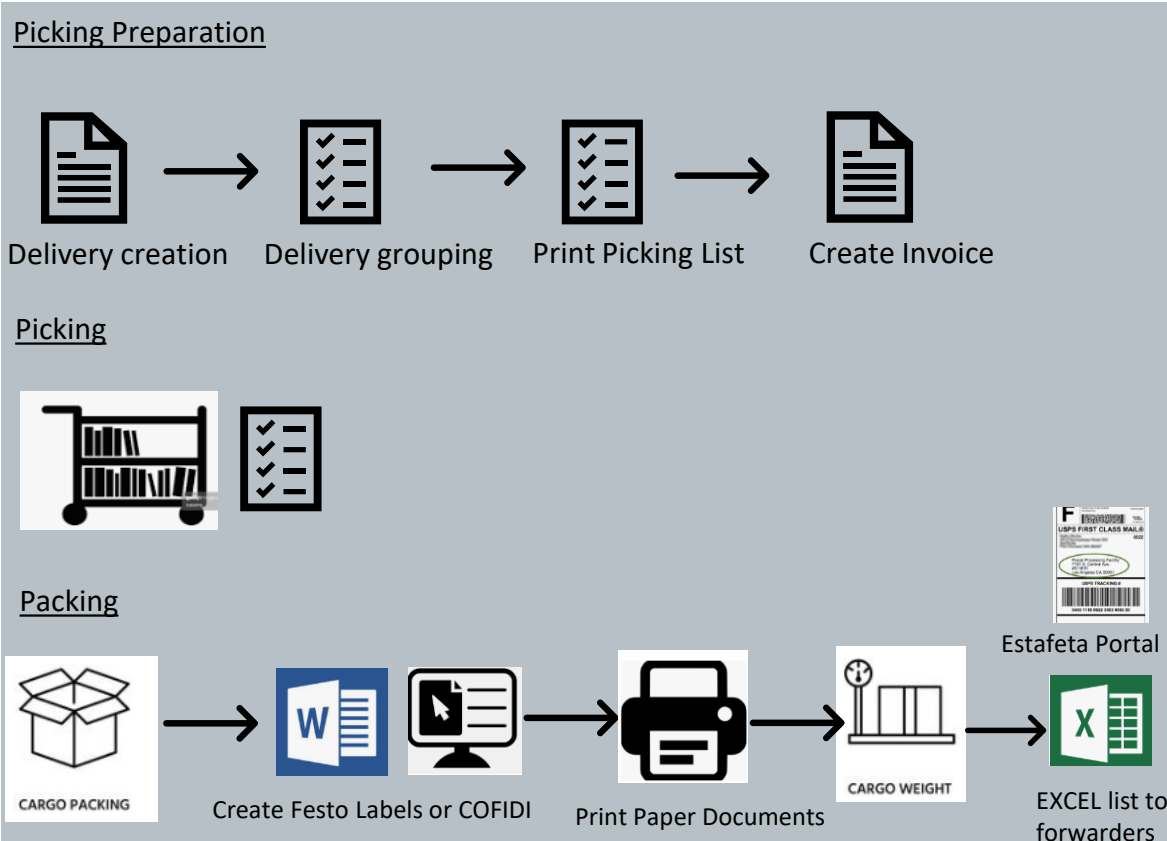


Cycle Counting Apps

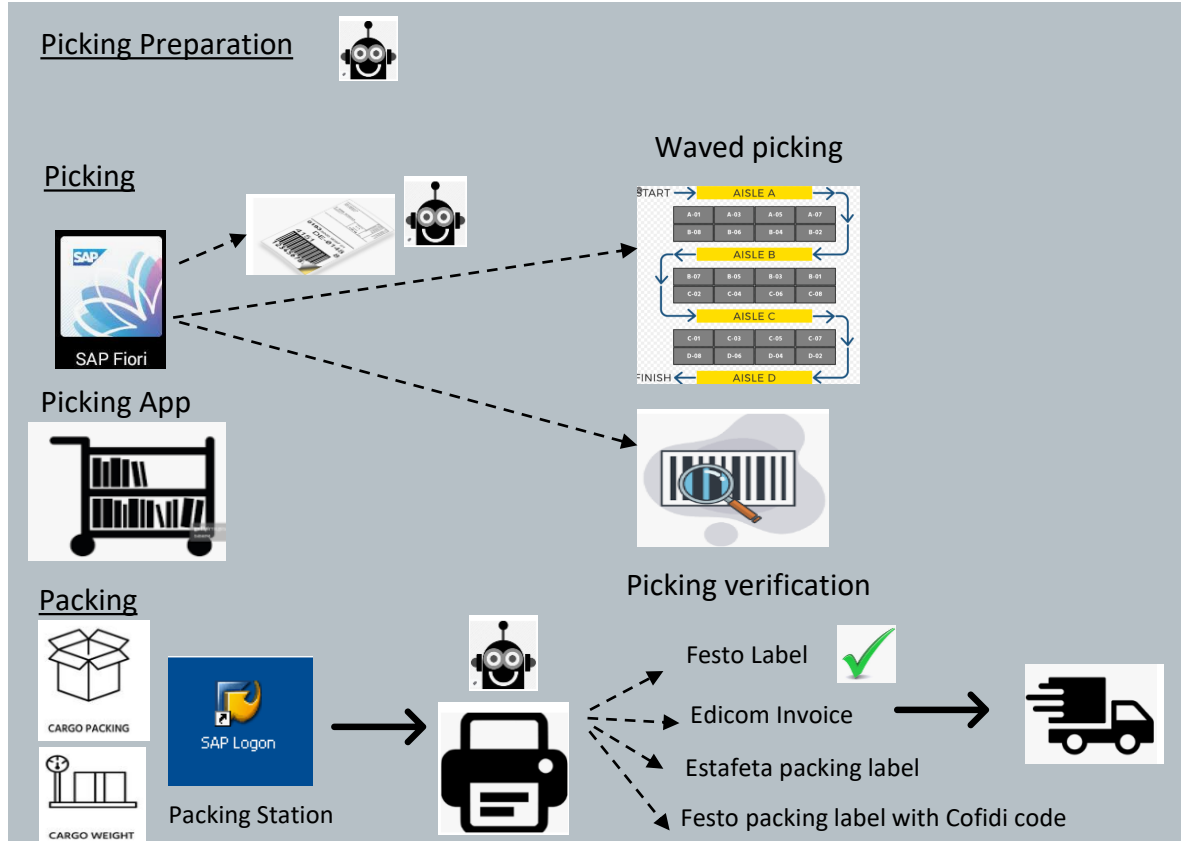


Outbound Logistics Process Reengineering

Before



After



Warehouse Dashboard

The dashboard was built in SAC using CDS views

