

Uplift your supply chain with **SAP DMC** and **EWM** integrated approach



The agenda for today

1 Relevance of integrated
warehousing and manufacturing

2 Digital Manufacturing Cloud (DMC)
Overview

3 SAP EWM & DMC Integration

4 System Demo & Q&A

Your hosts for today's session.



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26
Cities



18
Countries



1
Vision



Integrated Business
Planning

ERP & Finance

Asset Management &
Maintenance

Analytics

Internet of
Things

Customer
Experience

Procurement

Production

Warehouse
Management

Yard
Logistics

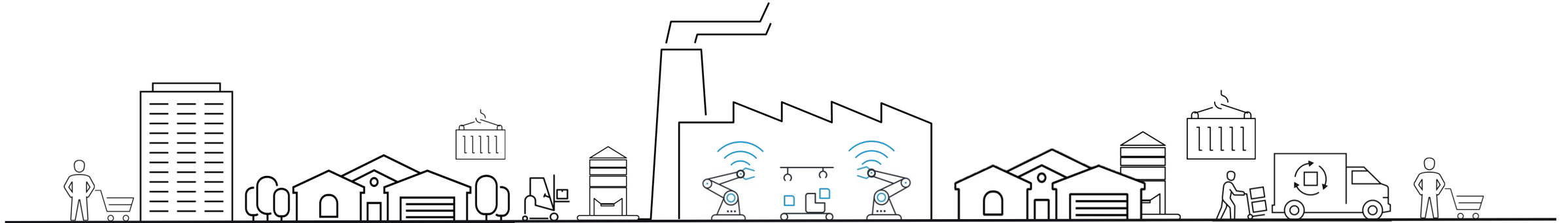
Transportation
Management



Intelligent Enterprise

Westernacher service portfolio

Asset Management & Manufacturing



End-to-End Supply Chain integrated into S/4HANA

State of the art supply chain

Relevance of integrated manufacturing and warehousing



Lot size one & E-commerce

Require higher flexibility and accuracy in production process



Increased manufacturing value added services

Forces companies to integrate manufacturing and warehousing



Agility in manufacturing

Is required to react to any disruptions and short notice changes and impacts the warehouse



Efficiency

Requires an optimized management of buffer capacities and inventories between production stages



Traceability

Calls for integrated processes in the execution

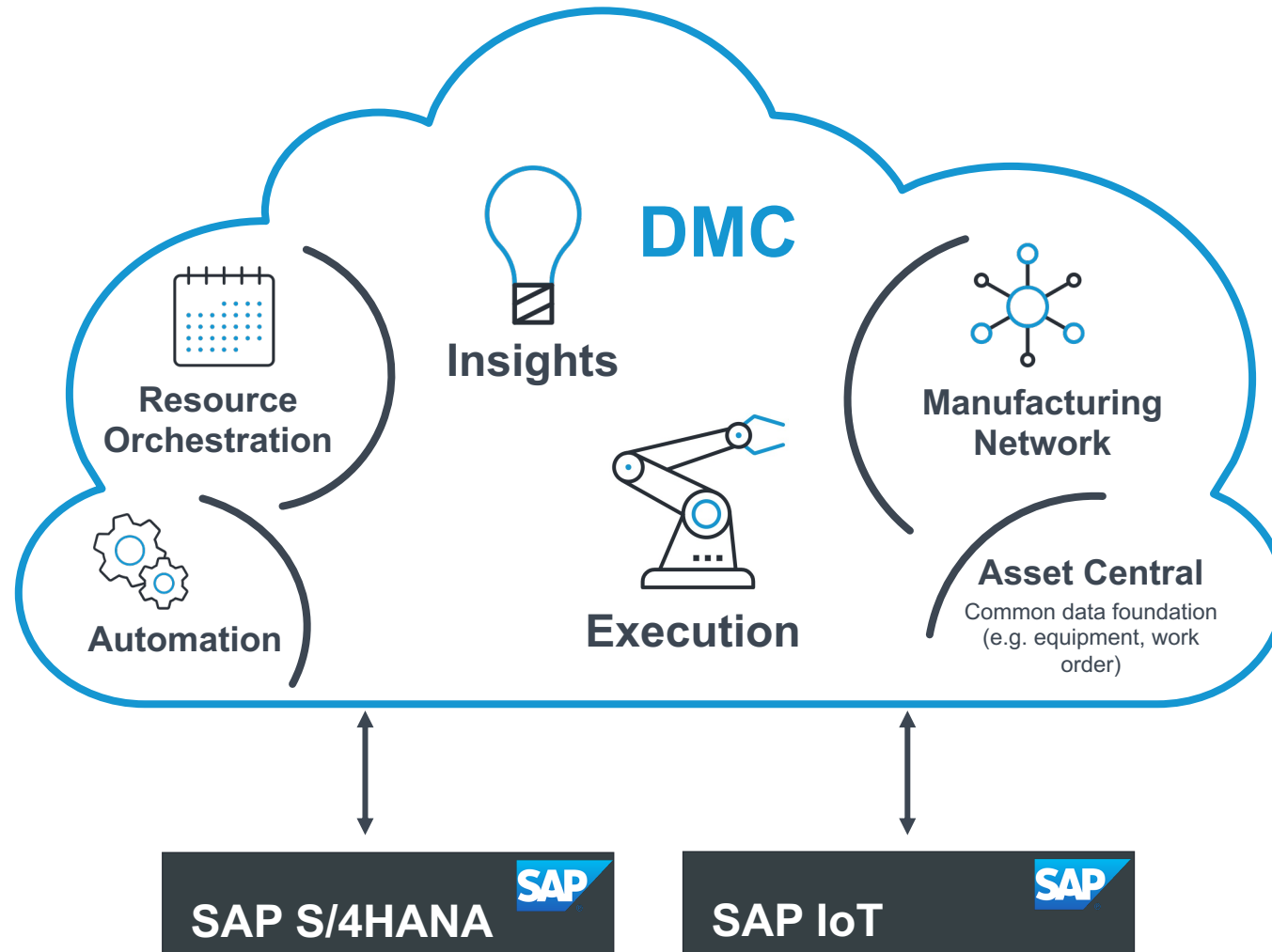
Manufacturing Execution and Warehousing Value

Bringing together **Warehouse Operations** and **Manufacturing Execution**, businesses will see benefits in **increasing overall efficiency** and **productivity** with **simplified process integration**, **stock transparency** and **accuracy**.

This will result in **higher production flexibility**, **reducing stock on the shop floor** and **cost saving**.

Digital Manufacturing Cloud

DMC at a glance



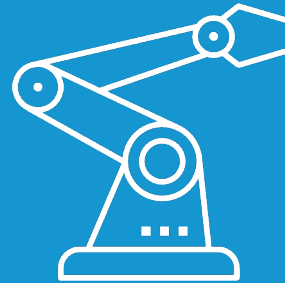
Digital Manufacturing Cloud

Execution overview

Monitor entire production process

Resources and execution optimization

React quickly to unexpected events and monitor OEE.



Fully configurable solution

Role-Specific Dashboards

Configurable Production Operator, Activity and Work Center Dashboards. Utilize intuitive UI for production operators.

Manufacturing automation

Digital twin integration - SAP IoT

Automize Production through shop floor designer and POD notifications.

Integrated execution

Across the different domains

E2E integration with production planning and logistics execution

Resource orchestration

Shop floor and Labor assignments

Dispatch and sequence operations to reflect the real world in the short term.

Digital Manufacturing Cloud

Insights overview

Insightful KPI's on different levels

Insights into global and operational production

Perform analytics across different enterprise levels gaining insights into production performance and productivity



Tight shop floor integration

Vertical integration

Utilize machine and process orchestration and seamless shop-floor communication for fast knowledge acquisition and accelerated problem analysis.

Configurable, advanced analysis

Out-of-the-box and / or customized KPI's

Configure your KPI's within individualized dashboards and draw on capabilities such as AI & ML Scenarios, OEE, Root Cause Analysis...

End-to-end operational visibility

Horizontal integration

Centralize data from shop floor systems, execution systems and various business sources improving transparency and reporting consistency.

Digital Manufacturing Cloud

Integration scenarios with EWM

Staging & Consumption

1

- Production/Process Order in EWM & DMC
- EWM controls material flow
- Work Center / RF / MES
- DMC posts consumption in EWM

Receipt from Production

2

- Warehouse executes production staging, issues and receipts
- DMC confirms receipt
- Performance

Repetitive Manufacturing & KANBAN

3

- Pull list (material staging list)
- Decoupled confirmation
- Stock transfer
- In-house production

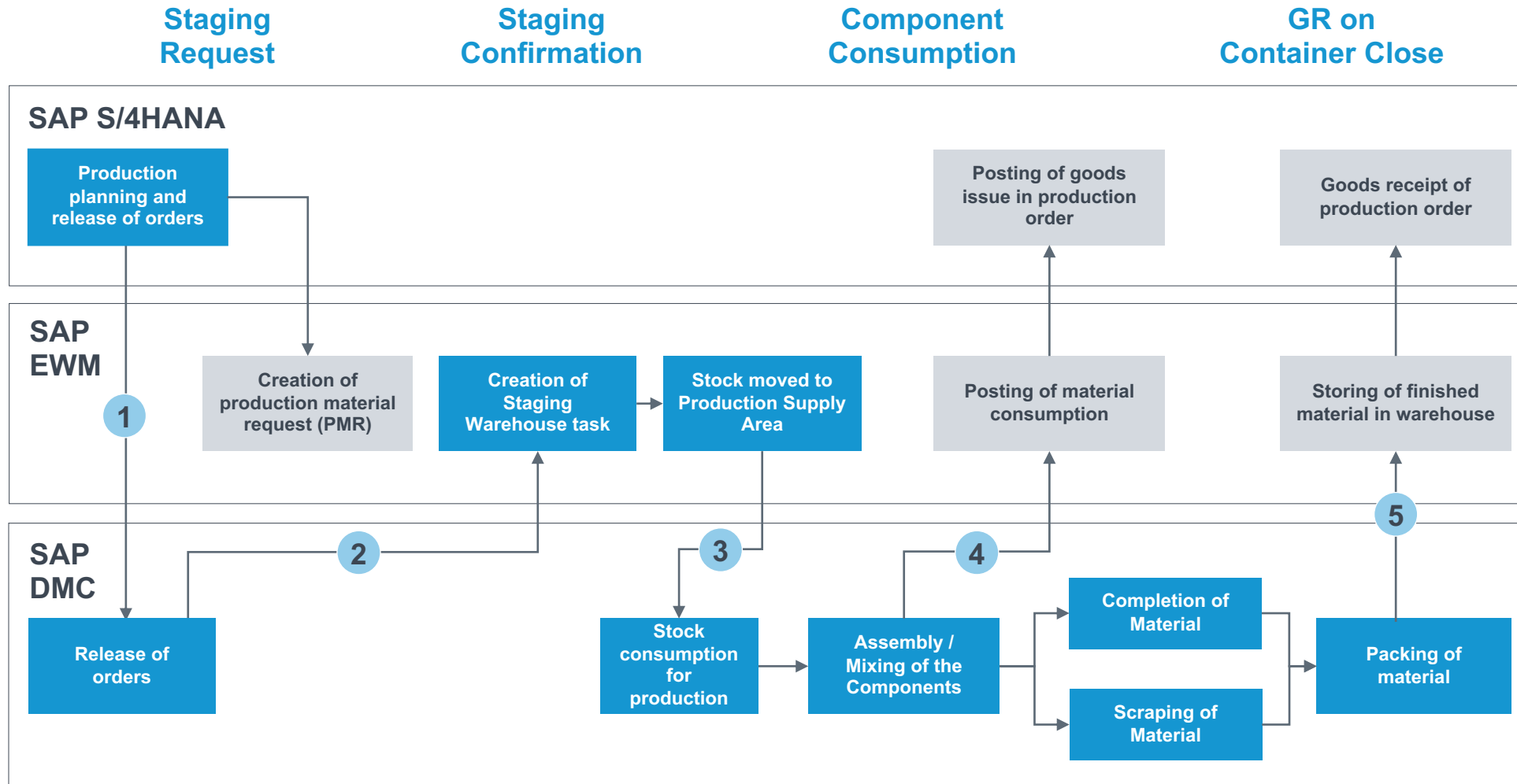
Increase inventory visibility and control as based on real time material movements posting in the warehouse

Up to 10%

reduction in manufacturing costs

Digital Manufacturing Cloud

General process of DMC / EWM Scenario

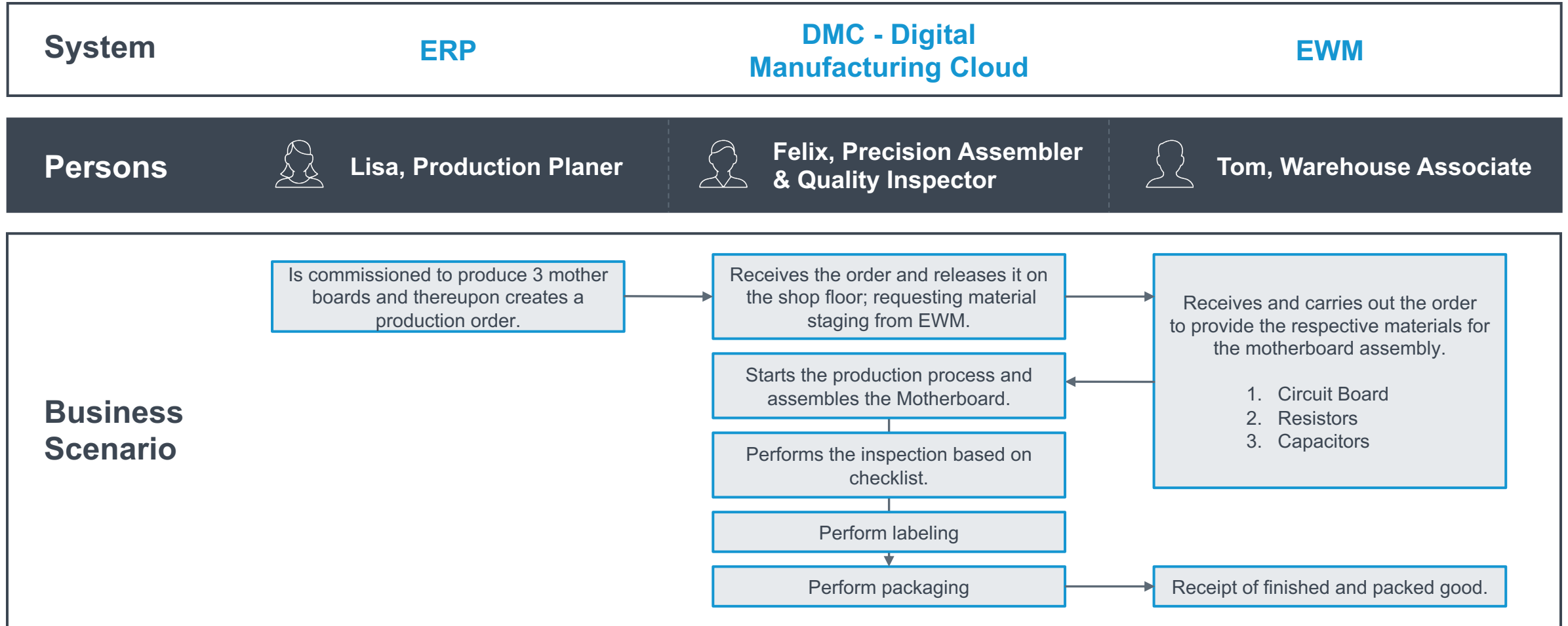


Interfaces

1. Production order interface to DMC
2. Send staging request to EWM
3. Create inventory IDs
4. Component consumption message to EWM
5. Goods receipt message to EWM

Westernacher Consulting

DMC EWM Story



**Time for
questions**



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