SAP Connect Day for Supply Chain Netherlands

Building Blocks of the Future

SAP Connect Day for Supply Chain Netherlands

How SAP Digital Manufacturing connects production execution to end-to-end supply chain visibility

global footprint of delaware office locations

+5000 professionals

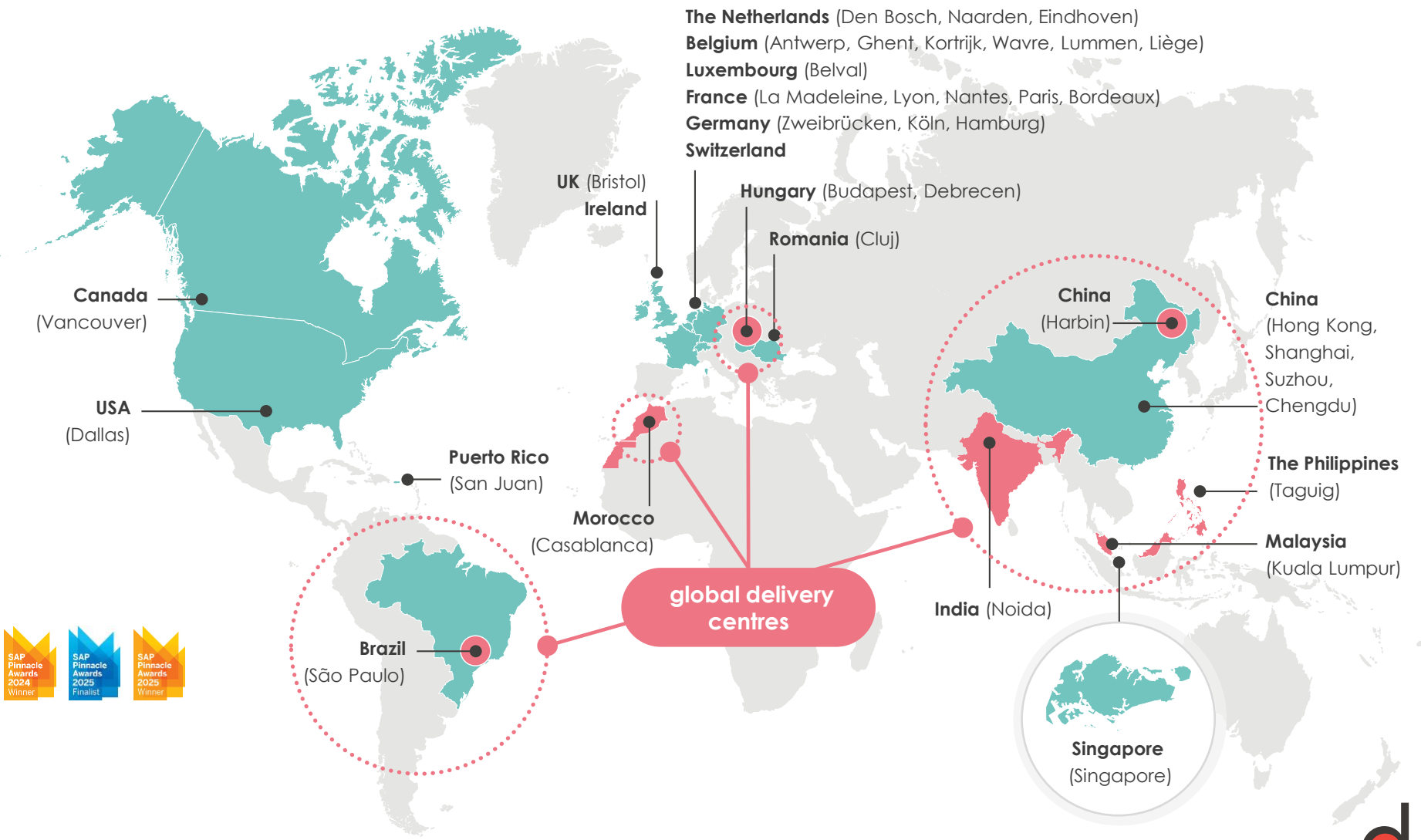
38 offices in

20 countries

€585 mil
revenue

global delivery network

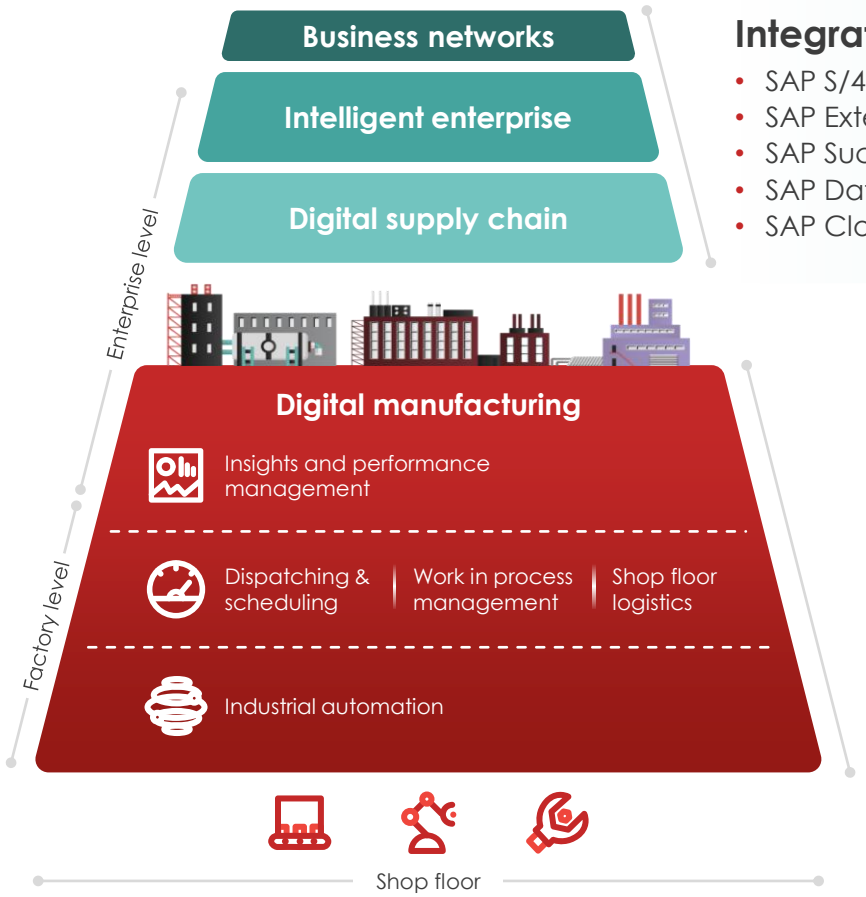
our partner ecosystem



we commit. we deliver.

SAP digital manufacturing

SAP digital manufacturing is a solution optimizing manufacturing operations using state of the art technologies, for discrete and process industries. It integrates seamlessly with enterprise and shop floor systems to provide real-time visibility, control, and orchestrate the manufacturing process end to end.



Integrations

- SAP S/4HANA
- SAP Extended Warehouse Management
- SAP SuccessFactors
- SAP Datasphere & analytics cloud
- SAP Cloud ALM & SAP Signavio

Capabilities

- Order management
- Dispatch & scheduling
- Labor management
- Work in progress management
- Quality management
- Insights and performance management
- Genealogy
- Industrial automation

Business benefits

1 Increased productivity

Streamline and automate manufacturing processes, reducing paper and manual effort and increasing overall productivity

2 Enhance visibility & compliance

Realtime data and insights into the manufacturing performance, track progress, full traceability to make informed decisions and support regulatory requirements

3 Improved quality control

AI-based analysis of manufacturing processes, enabling enhanced product quality, reduced waste and streamlined, operations

4 Flexibility and scalability

Enabling businesses to easily adapt and grow their manufacturing operations in line with changing business needs and market conditions

Customer Case 1
Anonymous

Food Production Company
SAP Digital Manufacturing

Industry

A Belgian vertically integrated food producer operating as the internal supplier for a major Belgian retail group

Quick Facts

- 6 divisions, each with their own product range and legacy systems.
- > 1200 FTE

Solution components

SAP S/4HANA (RISE), SAP IBP, SAP PP/DS, SAP Digital Manufacturing, SAP EWM

Business Challenges

The company is composed out of multiple business units, each with their own legacy IT systems and separate ways of working. A 4-year program was defined to combine to modernize the **ICT landscape** and refine the **processes.** At the same time, a **business transformation track** prepares the organization for the future. Combining both SAP's best-of-suite approach with industry best practices to make tangible operational improvements.

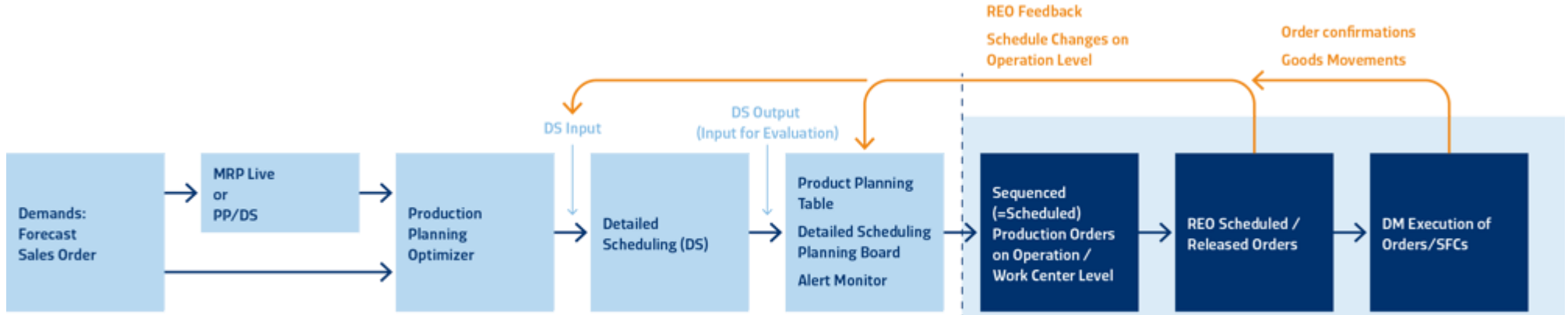
Approach

- A conceptual design defined the high-level architecture, business requirements and resulted in key decisions.
- A pilot implementation in the cheese plant with a combined go-live of S/4HANA, EWM and DM Fundamentals to provide and end-to-end digital thread.
- Further roll-outs of the fundamentals to other plants are planned during the program.
- Additional functional increments in DM (automated setup, data collection, …) are added as separate 'Factory of the Future' track.

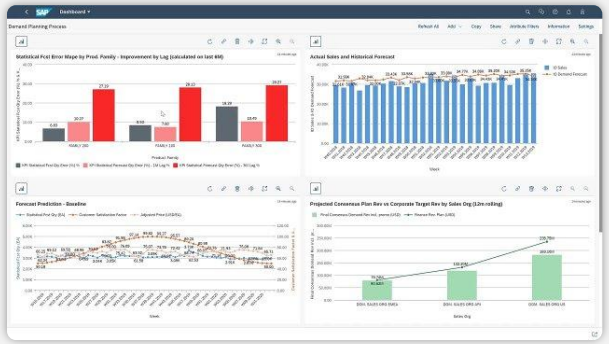
Benefits & Value

- A unified SAP landscape supporting core ERP, warehousing, production, quality across all plants.
- Continuous improvements & feature add-ons to further increase efficiency by reducing waste & human errors.

a ‘best of suite’ & ‘best practises’ approach



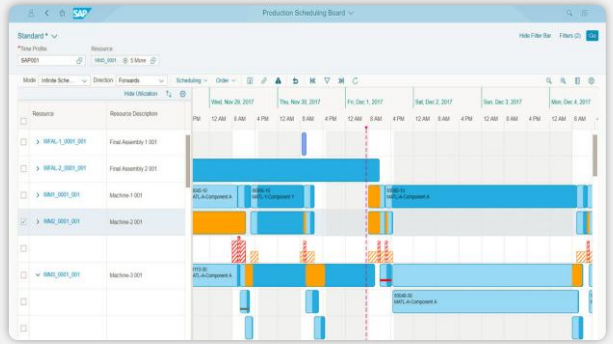
SAP IBP



Challenges

- Limited forecasting capabilities, mainly order-driven production

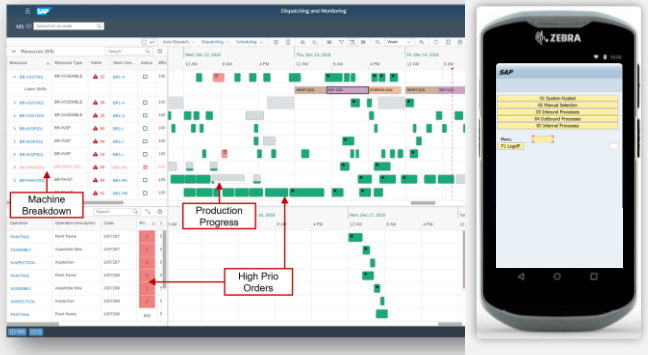
SAP PP/DS



Challenges

- scheduling of orders in manual, standalone applications (Excel)

SAP DIGITAL MANUFACTURING / EWM



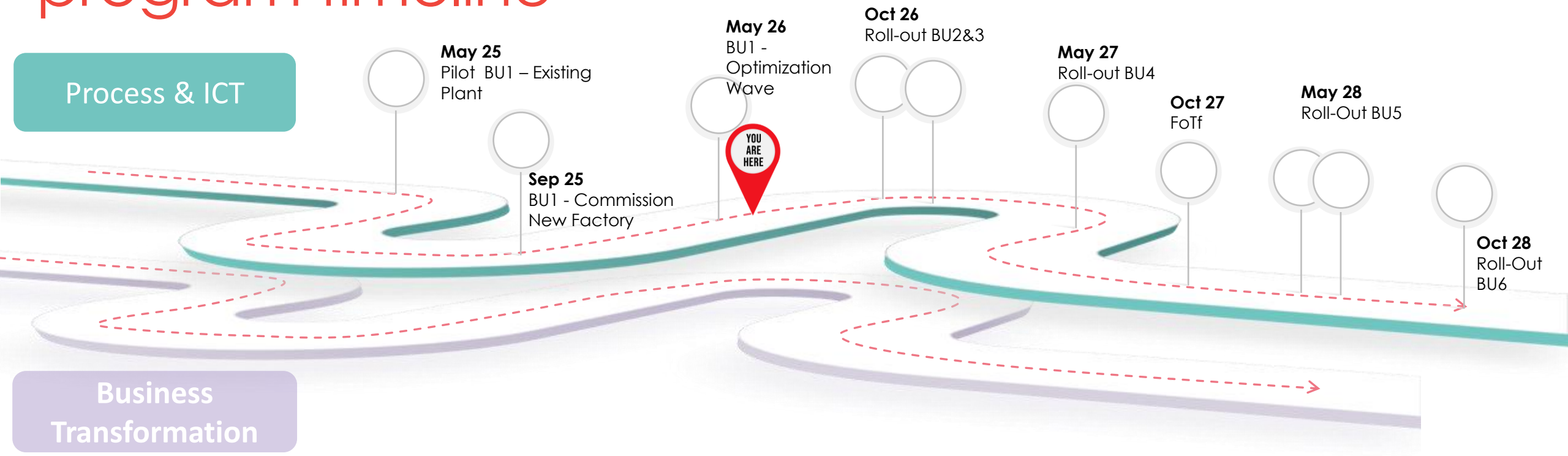
Challenges

- fragmented shopfloor support in current solution(s).
- Not integrated
- Stock accuracy

program timeline

Process & ICT

Business Transformation



program timeline

Process & ICT

May 25
Pilot BU1 – Existing Plant

Sep 25
BU1 - Commission New Factory

May 26
BU1 - Optimization Wave

YOU ARE HERE

Oct 26
Roll-out BU2&3

May 27
Roll-out BU4

Oct 27
FoTf

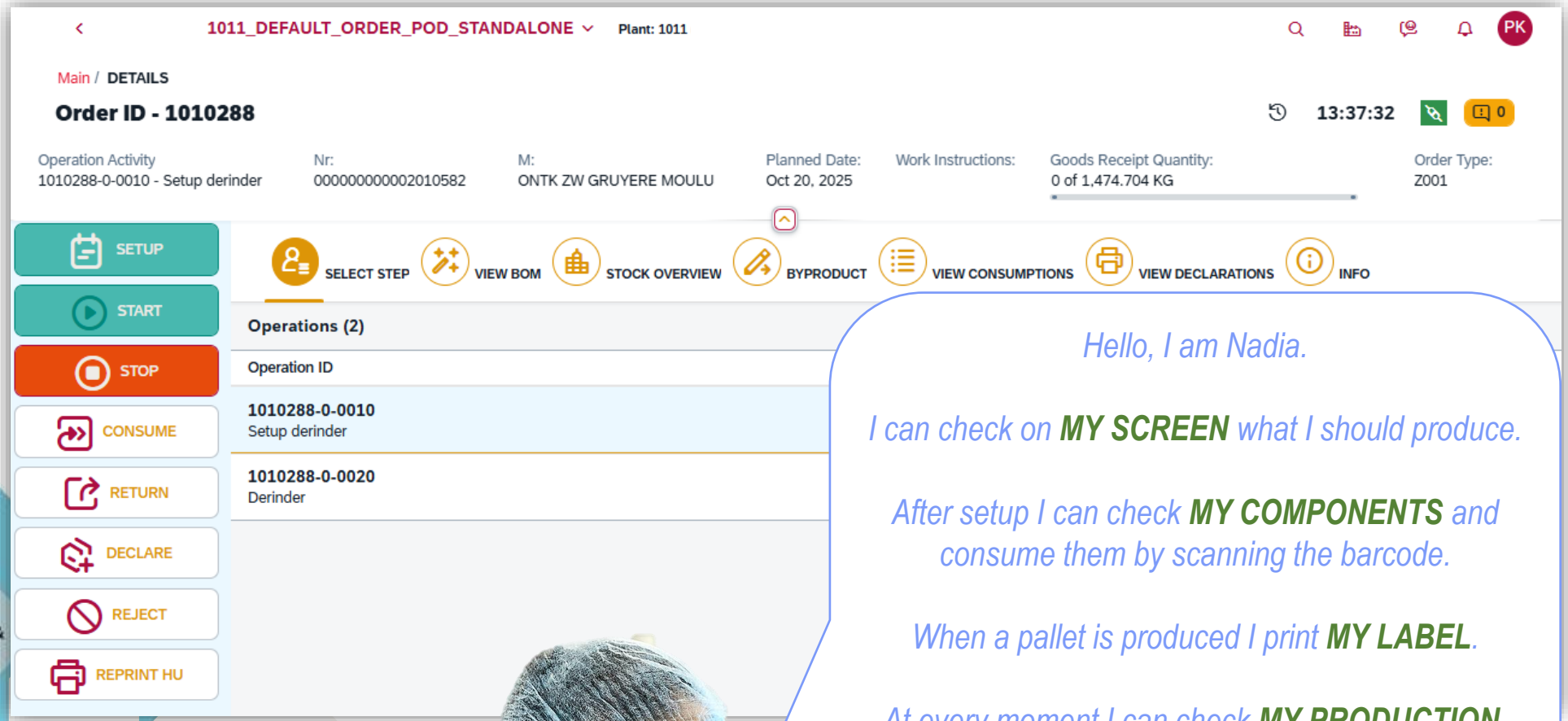
May 28
Roll-Out BU5

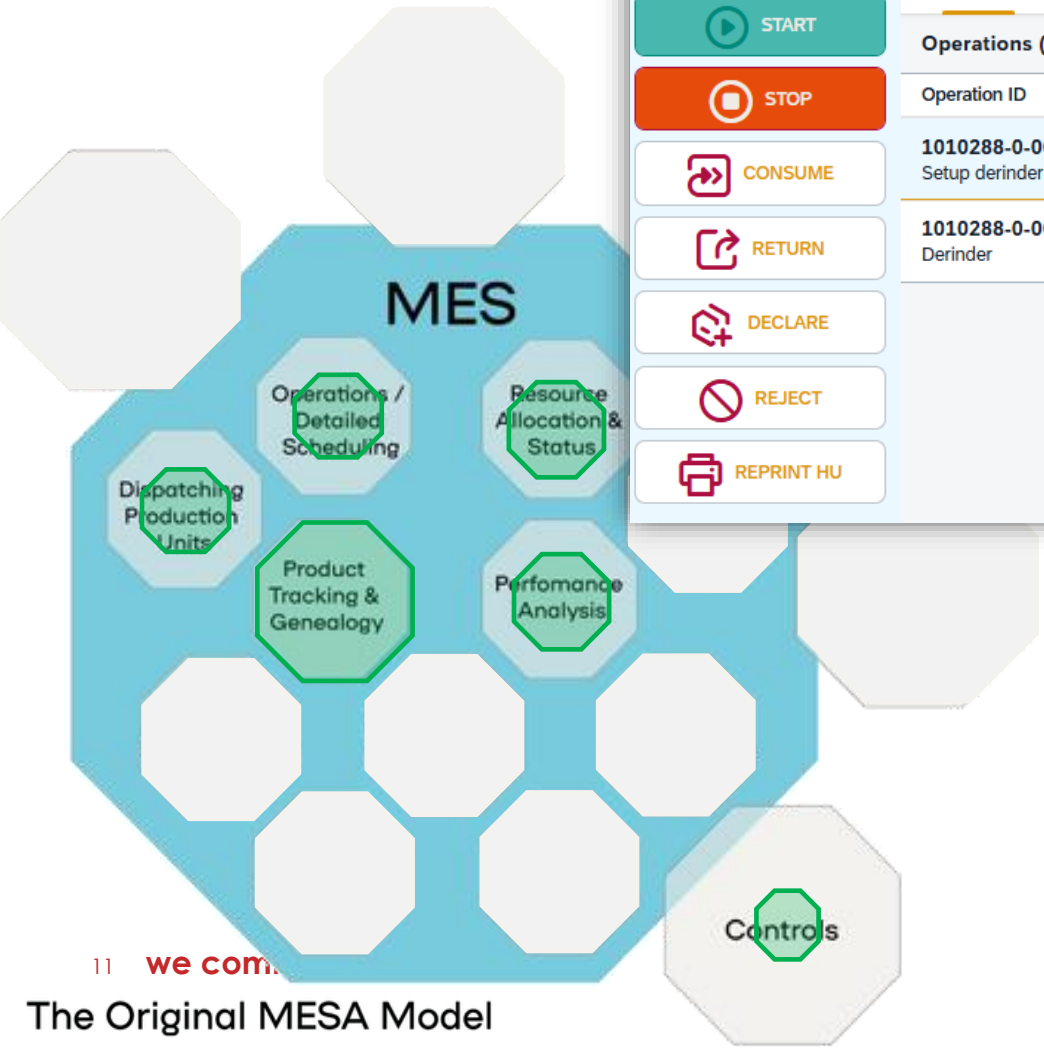
Oct 28
Roll-Out BU6

- No disturbance in the **supply chain** to the stores
- Maintained production & inventory **levels**
- Congratulations from **business partners**

- New Greenfield production facility
- 9 lines (50% new / 50% migration)
- Implementation of **delta topics** in SAP

SAP DM FotF





The Original MESA Model

Hello, I am Nadia.

*I can check on **MY SCREEN** what I should produce.*

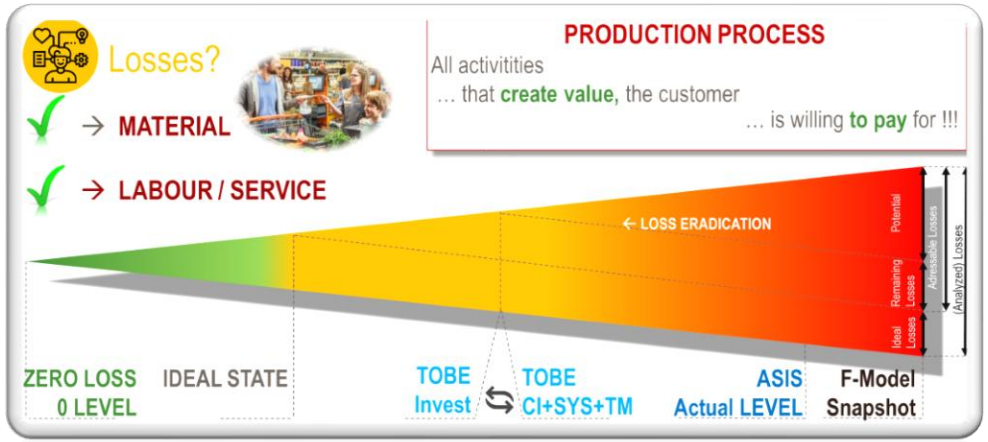
*After setup I can check **MY COMPONENTS** and consume them by scanning the barcode.*

*When a pallet is produced I print **MY LABEL**.*

*At every moment I can check **MY PRODUCTION**.*

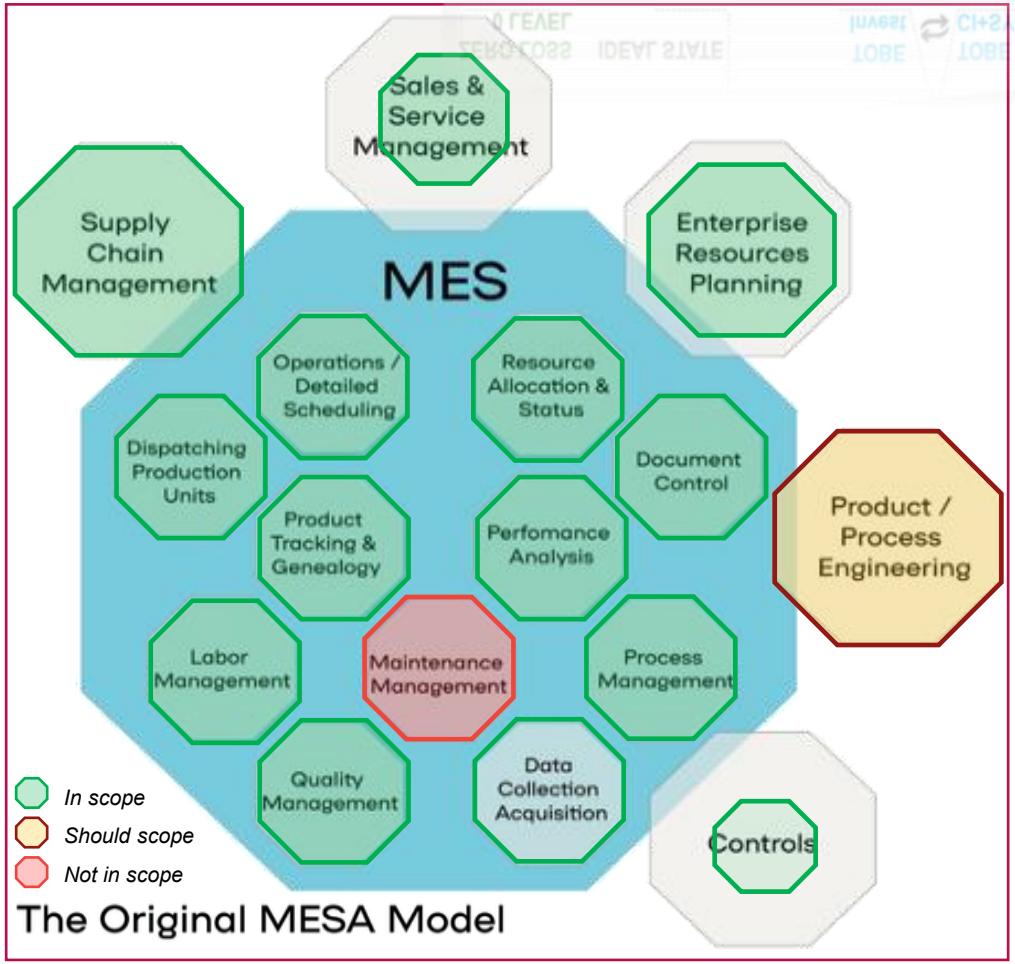
*At all time, I am in control of **MY PROCESS***

SAP DM FotF



Potentials defined

- **MI** *(Materials Inefficiency)*
- **OLE (direct labour)** *(Overall Labour Efficiency)*
  - **OEE** *(Overall Equipment Efficiency)*
  - **Staffing**
- **Indirect Labour**



WHEN

Plan & Control **Timeline**

WHERE

Use of & Optimize **Assets**

WHO

Allocate & Optimize **Workforce**

WHAT

Deliver & Show **Orders**

HOW

Streamline & Steer **Workflows**
Manage & Offer **Documents**
Maintain & Improve **Quality**

CHECK

Track & Trace **Processes**
Monitor & Improve **Effectiveness**
Gather & Deliver **Data**

Customer Case 2

DECOSPAN®

DECOSPAN – THE NUMBERS

9
Production sites

900
Employees

150
Woodspecies

15 000
Panels per day

203M €
Revenu/ year
(2022)

TESLA PROJECT MISSION

Together as a team

Eye on our product

Simplified architecture

Lean processes

Ambition ready

Challenges for a Decospan MES/MOMS

- 9 plants with different digital maturity and automation level
- Discrete Production → Lot size from 1 to 5000
- Configure to order
- Mandatory Go Live with S4 Go Live
- EWM and MFCS integration
- Replace custom development
- Configurable materials

Key drivers in 2024 for Decospan to choose SAP Digital Manufacturing

- **Uniform Data Model**
- **Easy integration → single version of the truth**
- **One ecosystem**
- **EWM integration**
- **One partner for implementation**
- **Fast delivery**

TESLA TIMELINE – 2024 -2027

Phase 0

Phase 1

Phase 2

GO LIVE Decofib

GO LIVE FE

GO LIVE RINGLAAN

2025

01/01

2026

01/01

YOU ARE HERE

2027

01/01

14/09

Kick-Off Group Blueprint

18/12

Finalized Group Blueprint

01/04

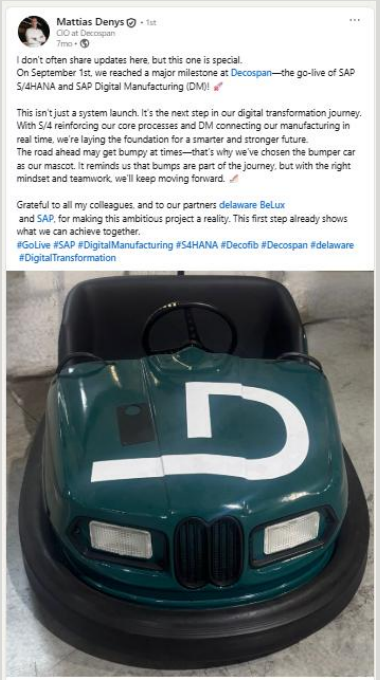
Kick Off Delta BBP **Production** Ringlaan/DFN

01/09

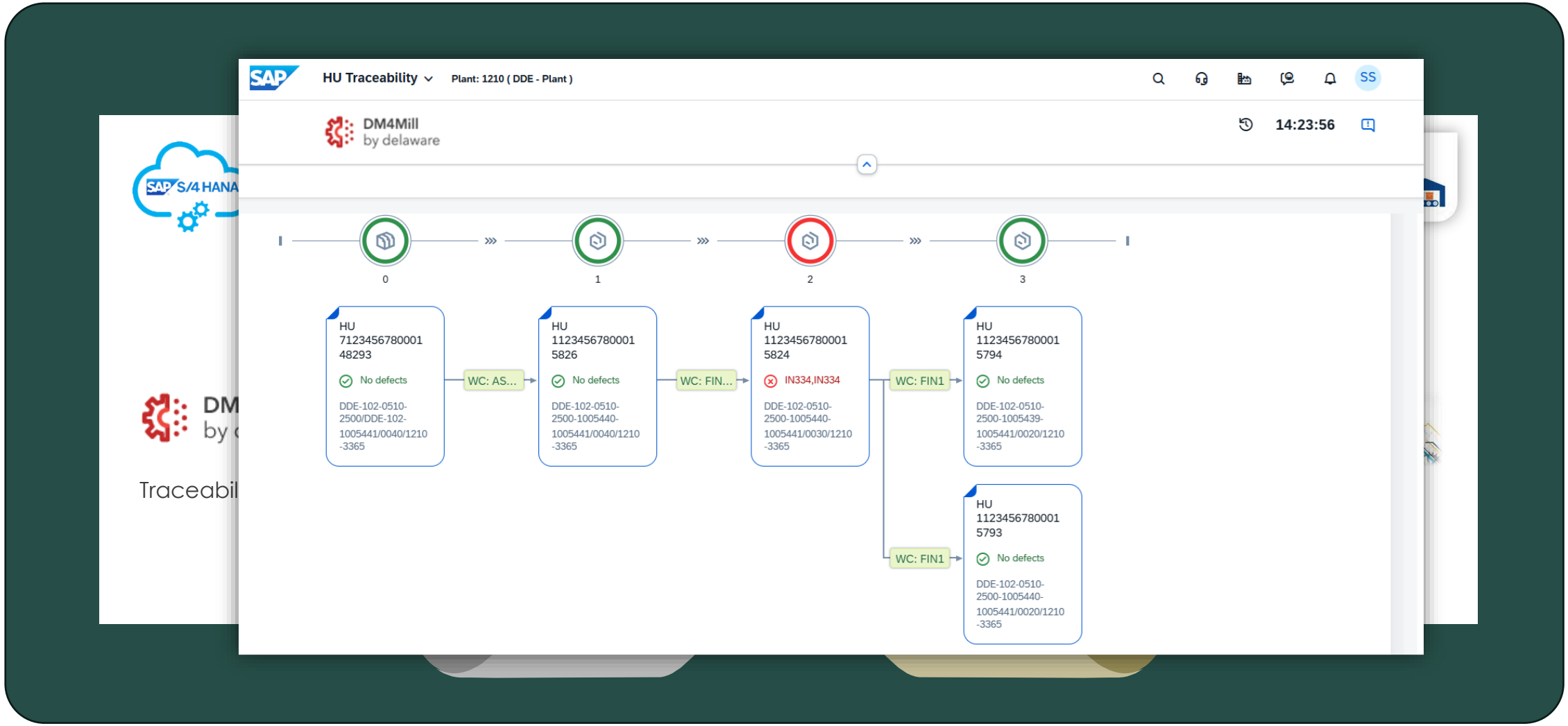
Kick Off Delta BBP Ringlaan

Pilot @ Decofib Portugal

- digital execution of multiple production processes (from grading, sorting, splicing)
- dedicated PODs for each work center (start of line, end-of line)
- EWM integration for staging, goods issues, goods receipt
- Worker guidance (instructions) per material/operations
- Co/By-product registrations.
- …



Key production challenges for HQ Menen



“the biggest advantage of one ecosystem is the smooth integration of transactional and master data between the 2 systems.”

Mattias Denys - CIO

Summary

what binds the two stories

01 full RISE with SAP implementation

- **One platform, not an integration project**

  Neither organisation chose to integrate around legacy systems. Both used the SAP transformation as the moment to replace the fragmented landscape comprehensively — addressing the shop floor at the same time as the ERP.

- **End-to-end scope by design**

  In both cases, SAP DM was scoped into the S/4HANA program from the outset — not as a follow-on phase. That decision, made at the start, is what made the end-to-end integration possible.

- **Integration value over MES value**

  The business case in both programs rests on supply chain outcomes — IBP & PP/DS planning on actual data, EWM supplying production, QM receiving live quality data. Not on MES functionality considered in isolation.

02 pilot-first as deliberate risk mitigation

- **Reduced scope, representative plant**

  Both organisations selected an initial plant with a defined and contained scope — representative enough to validate the integrated model, small enough to manage implementation risk responsibly.

- **Pilot success creates organisational momentum**

  In both cases, a clean go-live changed the internal conversation for every subsequent wave. The question shifted from whether the model would work to when each division or site would go next.

- **A pattern, not a coincidence**

  The pilot-first approach is something we recommend as standard practice. It de-risks the technology, builds team capability, and creates the confidence needed before scaling across the full footprint.

the delaware 3-stage MES model — a framework for your own journey

STAGE 1

MES Fundamentals

Supporting end-to-end supply chain processes

Where both cases are today

- Real-time connectivity between shop floor and supply chain — production, quality, warehouse, finance
- One version of truth shared across DM, EWM, QM, and S/4HANA
- Reliable execution data replacing estimated or delayed confirmations
- The prerequisite for everything that follows — accuracy and trust before sophistication

STAGE 2

MES Advanced

Unlocking additional platform capabilities

Next phase roadmap for both cases

- Granular OEE tracking and continuous improvement workflows
- Advanced quality inspection, release management and batch genealogy
- Machine and equipment integration for automated data collection
- Labour, resource, and tooling management at operation level

STAGE 3

MES Innovations

Completing the last mile with intelligent capabilities

Enabled by the data foundation from Tiers 1 & 2

- AI-assisted production scheduling and real-time rescheduling via Joule
- Predictive quality management — identify deviations before they occur
- Joule agents on the shop floor: autonomous response to production exceptions
- Sustainability reporting linked directly to execution actuals

Q&A

thank you for your time

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