

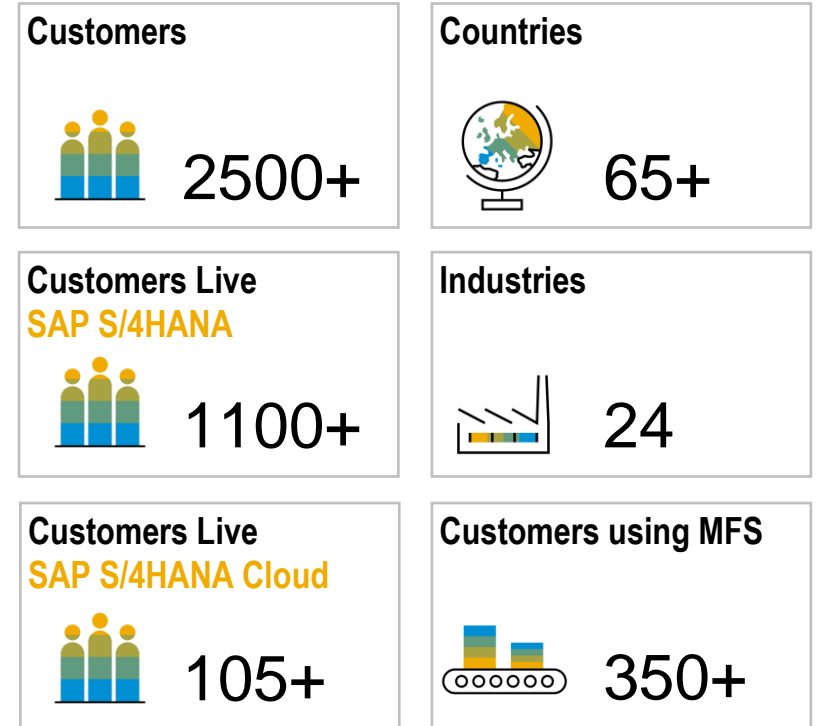
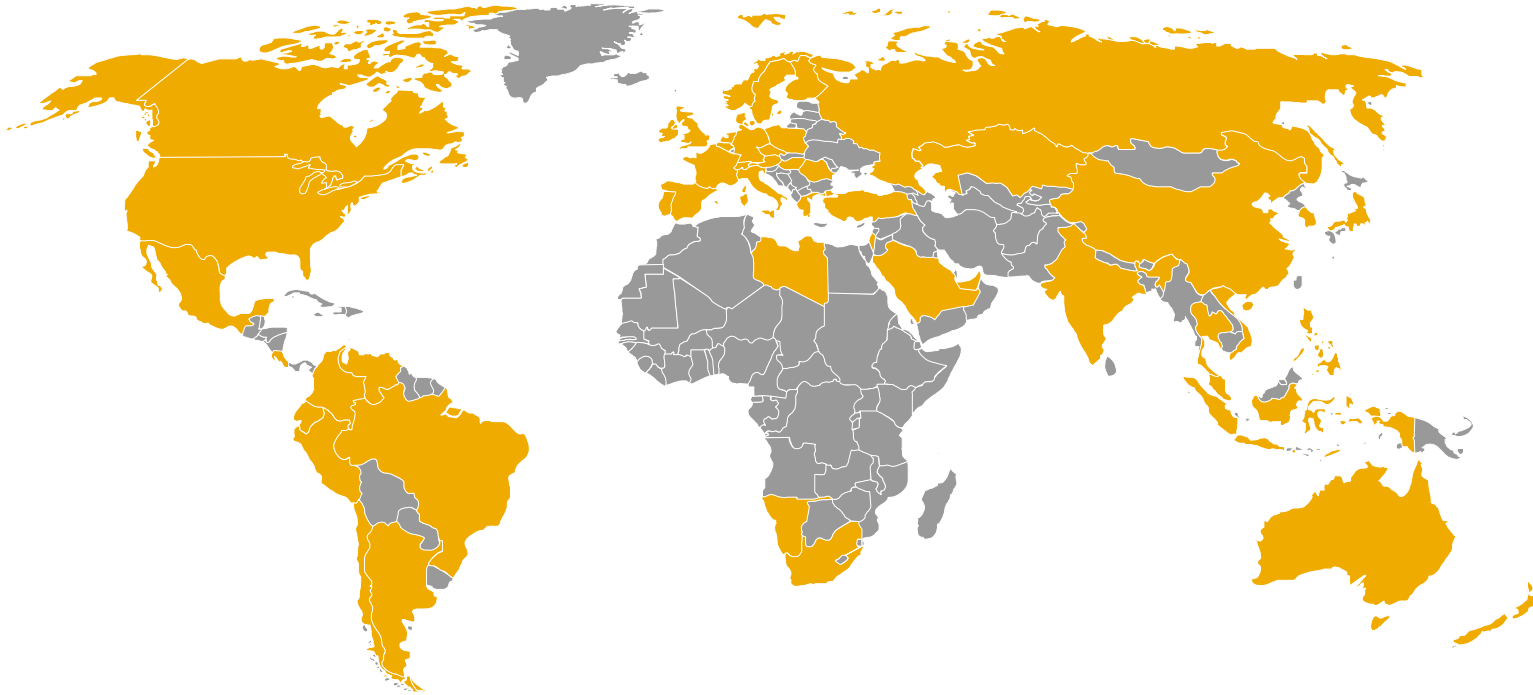


Week 1: Introduction to TM and EWM in SAP S/4HANA

Unit 5: Overview and History of EWM

Overview and history of EWM

SAP EWM customers worldwide



17%

Consumer Products



12%

Automotive



10%

Mill Prod. & Mining



9%

Industrial Machinery & Components

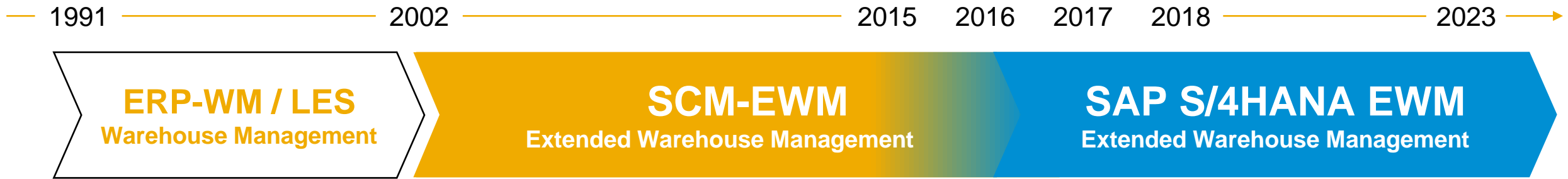


8%

Retail

Overview and history of EWM

More than 30 years experience...



SAP Extended Warehouse Management

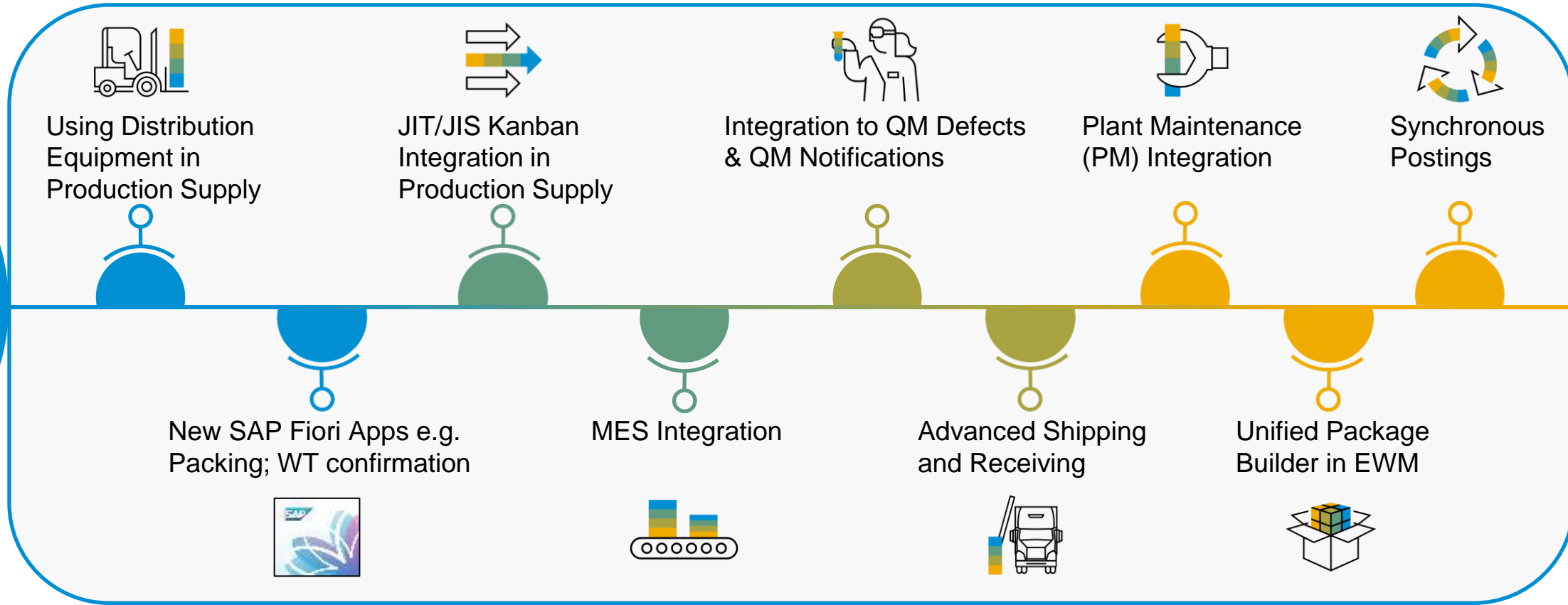
- Mature solution with comprehensive features
- Support of latest technologies through SAP S/4HANA
- Real-time business processes and analytics with SAP HANA
- Award-winning design with SAP Fiori
- Clear roadmap to solve future logistics challenges

Overview and history of EWM

From SAP EWM 9.5 until now

SAP EWM on SAP S/4HANA

SAP
EWM
9.5



SAP Extended Warehouse Management – Overview



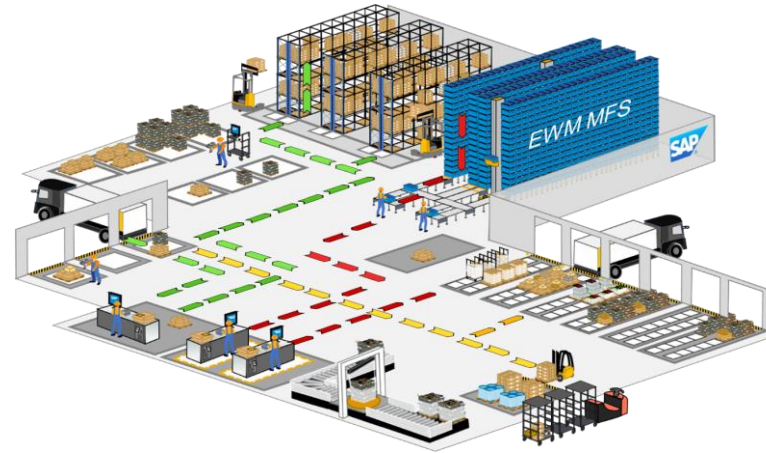
Analytics • Transit warehousing • Labor management • Cross-docking • Compliance
Native technologies • Implementation tools

Overview and history of EWM

Optimized and integrated warehouse processes

Inbound

- Advanced Shipping Notification
- Integrated Quality Management
- Slotting & Rearrangement
- Cross-Docking
- Efficient Returns Processing
- Customs Clearance



Outbound

- Wave Management
- Order and Packaging Planning
- Mobile Picking & Pick by Voice
- Order Consolidation & Packing
- Export Processing
- System Guided Loading



Internal

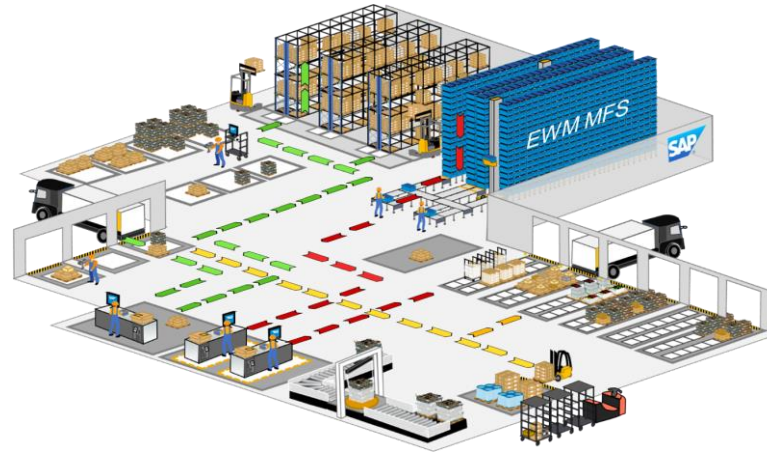
- Permanent Physical Inventory & Replenishment
- Planned & Predictive Replenishment
- Ressource Management
- Forklift Guidance System
- Warehouse Billing
- Labor Management

Overview and history of EWM

Optimized and integrated warehouse processes

Integration

- Advanced Shipping & Receiving
- Courier-Express-Parcel- / & Transportation Management Integration
- ME Integration
- SAP Global Batch Traceability Integration
- Plant Maintenance Integration



Distribution Logistics

- High Volume Processing
- Late Order Changes
- Kit-to-Order & Value Added Services
- Export Processing
- TMS Integration – Packaging Planning and Load Sequences



Production Logistics

- Production Supply
- Kanban & JIT Integration
- Consumption, Cancellation and Restocking
- Missing Parts Handling
- MES Integration & Production Inventory
- WIP Handling

Features that serve a broad spectrum of industries



Retail

- Merchandise cross-docking
- Batches
- Catch weight
- Shelf-life
- Returns clerk
- Wave management



Automotive

- Production supply
- Kit-to-stock
- QM integration
- MES integration
- JIT/JIS integration
- KANBAN



Transport & Logistics

- Transport cross-docking
- Dangerous goods
- Transit warehousing
- Warehouse billing



Consumer Goods

- Batch management
- Shelf-life
- Production and QM integration
- Palletization



Chemicals and Oil & Gas

- Batch management
- Dangerous goods
- QM integration

SAP S/4HANA



Mill Products

- Production and MES integration
- Batch management



Service parts

- Slotting
- Kit-to-stock
- Kit-to-order
- Packaging specifications



Life science

- Batch management
- Shelf-life
- QM integration
- Global batch tracing
- ATTP integration



High Tech

- Serial number management
- Production supply
- MES integration



Aerospace and Defense

- QM integration
- Dynamic bin
- Flexible storage area
- IUID
- Explosives management

Types of Warehouses



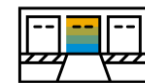
Production Warehouse



Distribution Center



Service Parts Warehouse



Cross-Dock or Transit Warehouse

Overview and history of EWM

Integration



Additional Functions

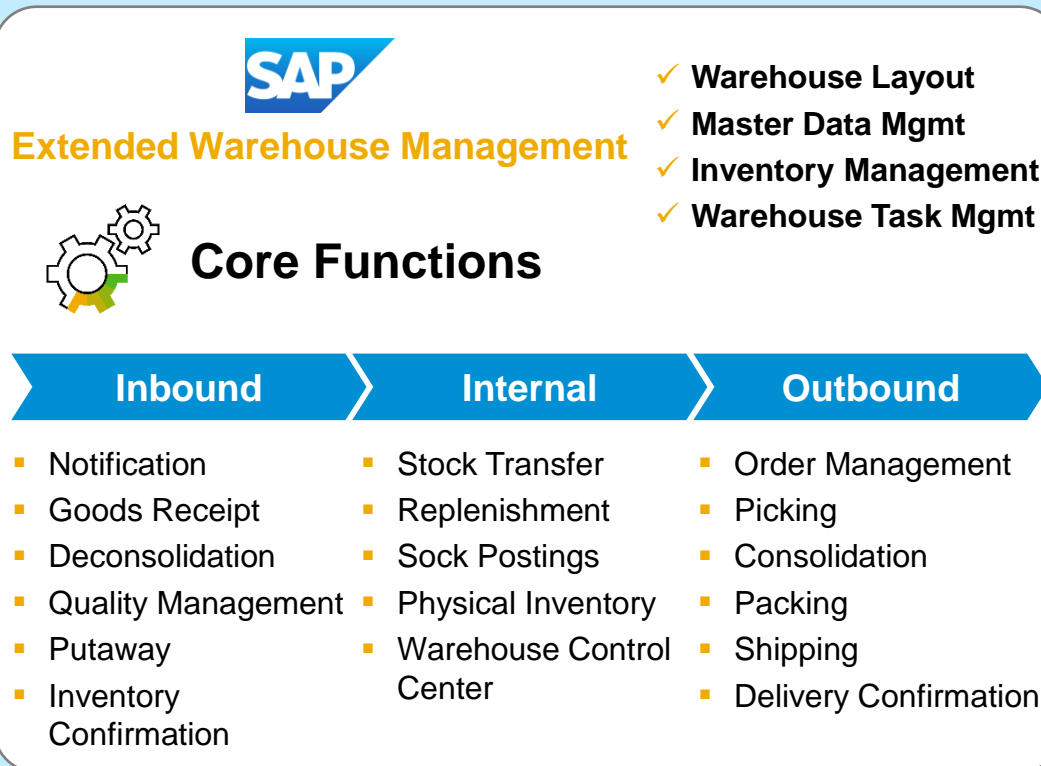
- Batches
- Serial Numbers
- Hazardous Substances
- Stock-Specific UoM
- Catch Weight Articles
- Packaging Specifications
- Production Supply
- GR from Production
- Tugger Train
- Cross-Docking
- Dock-/Yard Management
- Kit-to-Order / Kit-to-Stock
- Returns
- Scrapping

- Multi-Client-Warehouse
- Multi-Warehouse-System
- Handling Unit Management
- Forklift Guidance System

- Resource Planning
- Labor Management
- Warehouse Billing

- Route Determination
- Wave Management
- Cartonization Planning
- Value Added Services
- Customs Procedure
- Empties
- Consignment Stock

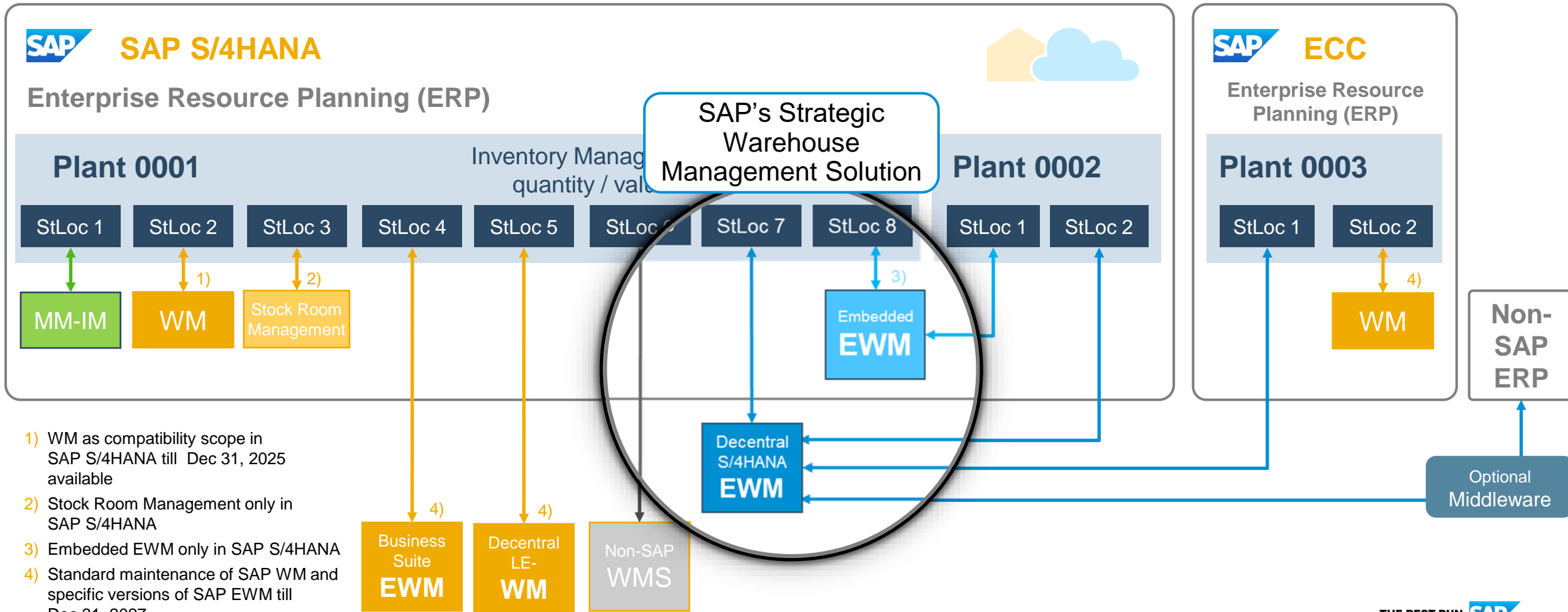
- Slotting
- Rearrangement
- ABC Analysis
- Stock Consolidation
- Multi-Deep Storage



Process Automation

- Mobile Working
- Integrated Material Flow System
- Automatic Follow-Up Actions
- Direct Hardware Integration
- Migration Tools
- RFID Support
- Pick by Voice

Optimized and integrated warehouse processes



- 1) WM as compatibility scope in SAP S/4HANA till Dec 31, 2025 available
- 2) Stock Room Management only in SAP S/4HANA
- 3) Embedded EWM only in SAP S/4HANA
- 4) Standard maintenance of SAP WM and specific versions of SAP EWM till Dec 31, 2027

Overview and history of EWM

Key takeaways

SAP EWM is SAP's strategic future warehousing solution

SAP EWM has a large customer base and is continuously improved

SAP EWM supports different types of warehouse:

- Production
- Distribution
- Service Parts
- Cross-Dock / Transit



Overview and history of EWM

Further reading

SAP Extended Warehouse Management – Product Site

<https://www.sap.com/products/scm/extended-warehouse-management.html>



Thank you.

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