



# SAP EWM FOR CONSUMER PRODUCTS

Fusion of the classic separation of production and warehouse management

Food- and producers of fast-moving consumer goods (FMCG) have always been in the field of tension between raw materials, shelf lives, retail, and consumers. As consumer product companies continue to adapt to the digital economy, they are looking for new and more efficient ways to streamline, optimize and better integrate their production environment with supply-chain execution – at the same time meeting legal and regulatory requirements and customer expectations.

## SAP EWM

Extended Warehouse Management

The acceptance of a warehouse management system is, among other things, based on its seamless integration to ERP or SAP S/4HANA and on its flexibility in mapping logistics processes. SAP EWM was originally developed for complex warehouse and distribution centers with a variety of products and a high document volume. Thus, the design of SAP EWM has special emphasis on the flexible mapping of warehouse-internal processes.

In comparison to SAP WM the extend of functions has been expanded considerably and supplemented by new warehouse structure elements, and advanced production integration capabilities which makes SAP EWM an ideal platform to fusion the classic separation of production-execution and warehouse operations in the consumer goods industry.

## DIGITAL TRANSFORMATION

Fast Moving Consumer Goods

SAP EWM - with its best-in-class core functionality for warehouse operations - can help best-run FMCG producers leveraging the digital transformation, making best use of their installed base SAP software-components and better integrate production and supply-chain-operations.

- Inbound Processing
- Storage and Operations
- Cross Warehouse Functions
- Outbound Processing
- Warehouse Automation
- Production Integration



"As SAP Silver Partner and the spatial and personal proximity to Walldorf, we work closely and intensively with SAP, create added value for our customers and deliver high-quality logistics consulting".

**Production Integration**

Staging & Consumption  
Multi-Step Replenishment  
Quantity Calculations  
Multi-Step Production  
Receipt from Production  
Integration to MES

**Outbound Processing**

Stock removal strategies  
Scrapping  
Picking Execution  
Packing, Palletizing & Staging  
Transportation Integration

**Inbound Processing**

Receipt Notification  
Truck & Yard Management  
Transportation Integration  
Checks & Inspections  
Quality Management  
Storage Control  
Put-Away Strategy  
Deconsolidation  
Put-Away Preparation

**Storage & Operations**

Stock Attributes  
Replenishment  
Physical Inventory  
Value Added Services

**Warehouse Automation**

Forklifts & Resources  
RF & Mobile Devices  
Palletizer, AGV's  
Storage & Retrieval Systems

**Cross Functions**

Forms & Labels  
Warehouse Monitoring  
Labor Management  
Cross-Docking  
Batches & Classification

**CHALLENGES & CHARACTERISTICS****Observations & Lessons Learned**

Recipes, Mixing, Baking, Blending, Weighing, Freezing, Filling for processed-food, cosmetics, housewares Process-manufacturing, Regulated-, Continuous- or Discontinuous- Production, with or without allergens and special handling instructions, legal regulations, warehouse automation, mixed or full pallet distribution.? We have successfully delivered SAP projects at many branded companies and private label producers and are experts for SAP EWM and consumer products.



Inbound Processing, Stock-Transfer, Quality Inspection, internal routing and storage of Raw- and Packaging-Material



Use of process-oriented Storage control for PMRs, with single- and cross-order staging. Production of Finished-, Semi-Finished Products or Re-Work. Consistently system-guided production supply with RF devices.



Storage Conditions, Quality Control, Outbound Processing, Picking-, Packing, Palletizing, Staging, Automation, Integration to Transportation

- Heterogeneous SAP ERP functionality and non-SAP systems
- Variability in order control and production scheduling
- Multi-stage production processes, staging and replenishment
- Intermediate products, re-work and semi-finished goods
- Strict legal requirements in terms of quality, transparency (e.g. batches), hygiene and handling
- Integration of manufacturing- and warehouse automation as well as MES
- Flexibility, seasonality and realization of customer requirements

**ADVANCED PRODUCTION INTEGRATION**

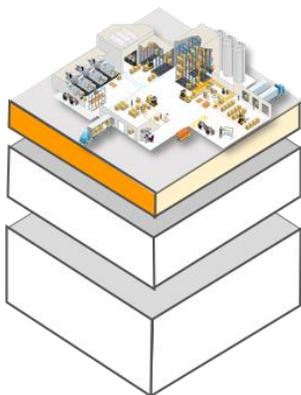
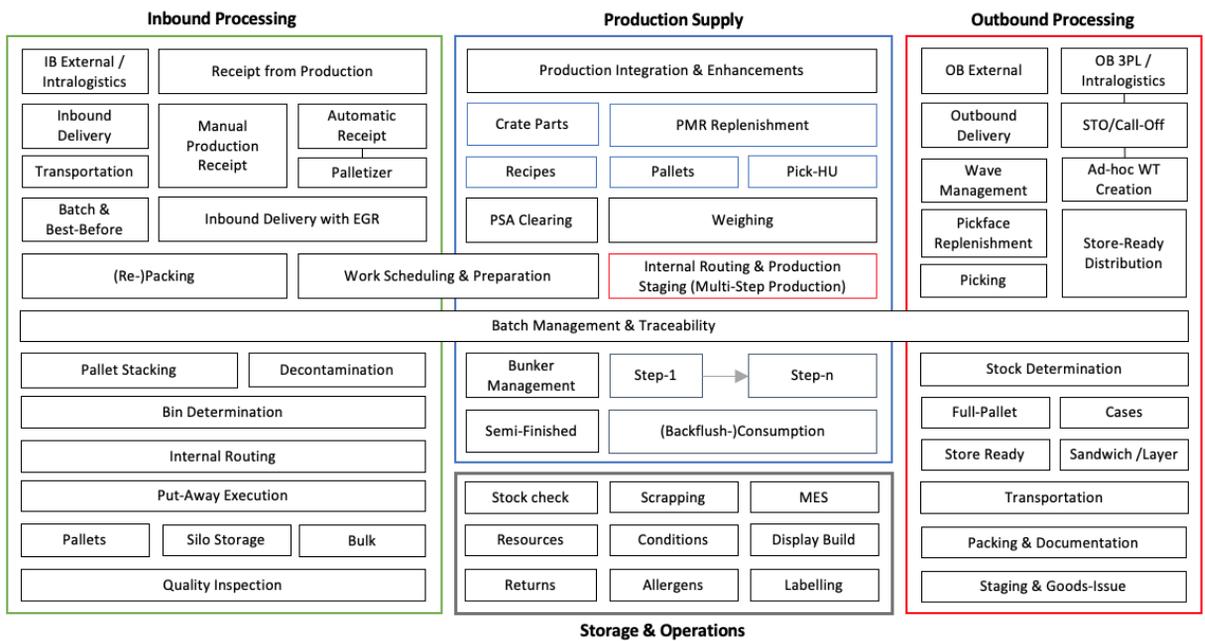
Staging, Execution, Consumption

With release EWM 9.2 the existing, delivery-based integration of SAP EWM and SAP ERP PP/PI has been enhanced. The raw materials required are requested via manufacturing orders. The orders will be replicated as Production Material Requests to EWM. Staging & consumption takes place in EWM. Posting consumption triggers the goods issue in both SAP EWM & ERP.

**QINLOX BEST-PRACTICES & INNOVATION**

Integrated Production-Supply with SAP EWM

Leverage SAP EWM functionality far beyond classic warehouse operations, as an integrated production supply system for work preparation, replenishment and processing on the production lines. Continuous batch tracking and transparency with SAP EWM from raw materials and packaging via semi-finished or by-products to finished-goods and to the final customer.



QINLOX Best-Practices



SAP EWM Add-on for CP



SAP EWM Standard

**BEST-PRACTICES & SITE-SPECIFIC INNOVATION**

Focusing on SAP Standard, leveraging Qinlox Best-Practices and the existing SAP footprint, adding customer and site-specific functionality to model all aspects of production integration and warehouse operations.

**SAP EWM INDUSTRY ADD-ON FOR CP**

Based on prebuild best-practice processes, it's an optional implementation accelerator and a preconfigured package tailored for consumer products with functional enhancements.

**SAP EWM**

SAP EWM, decentral or embedded in SAP S/4HANA. A solid and scalable platform for warehouse-operations, with seamless integration capabilities and process-modelling-flexibility.

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Digitization of the supply chain, technical innovations, optimization of delivery dates, stocks, capacities and lead times, increasingly complex logistics against the background of industry and subspecific processes and the challenges of seamless integration into existing or new systems?

Qinlox was founded in 2017 by former employees of SAP SE and, as a young company, combines the many years of knowhow, industry expertise and excellent know-how of proven SAP logistics experts, former SAP standard developers and SAP architects with many years of experience in the implementation and integration of logistics solutions based on SAP technology. From development to the first implementation of SAP EWM, our experts were there from the very beginning!"



### WAREHOUSE MANAGEMENT

From small sites to large logistics centers or production sites, manual or highly automated, from simple to complex, based on SAP S/4HANA or decentralized - We successfully implement warehouse management based on SAP - locally, regionally and internationally. We know the industry-specific processes and integration requirements, and are experts in harmonizing business processes, global and regional templates and corporate roll-outs.



### TRANSPORTATION MANAGEMENT

Our competencies are based on a systematic integration of the experience, talents and specialist knowledge of our SAP TM experts for Transportation Execution, Planning & Controlling, Integration and Best-Practices



### PRODUCTION-SYSTEMS

Production-Systems based on SAP: From evaluation, strategic alignment, control & optimization, value-Stream analysis & design to integration and implementation.

We are happy to share our experience. At the same time, we respect customer agreements and the official SAP reference guidelines, and do not pass on detailed information on customer projects to third parties without authorization.

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