



## Intra-logistics with ORBIS

**Migration from SAP WM to SAP EWM with ORBIS Add-Ons**



# ORBIS Add-Ons complete SAP WM

Currently, SAP is offering customers two different solutions for warehouse management: SAP WM and SAP EWM

- ◆ **SAP WM**, an integral component of SAP LES (Logistics Execution System), is a solution which has been proven over many years, and an integrated component of SAP R/3 or SAP ERP Business Suite. With more than 5,000 installations worldwide, SAP WM is the most used standard software for warehouse management.
- ◆ **SAP EWM** is part of the SAP SCM solution (Supply Chain Management) and has a different architecture and features than the SAP WM system. The solution was originally developed for complex warehouses and distribution centers.

## Introduction of SAP S/4HANA and changes in the SAP environment

With the launch of S/4HANA Release 1610, SAP EWM is now also available as “**Embedded EWM**”, in addition to the revised Material Management (MM).

SAP WM is also included in the current S/4HANA Release 1610, however, according to SAP it will only be supported until 2025. In future, SAP will no longer invest in SAP WM, but will fully concentrate on the development of SAP EWM.

Companies therefore have an important decision to make: how to successfully perform the migration from SAP WM to SAP EWM.

ORBIS has more than 100 SAP LES customers in the intra-logistics field, for whom a migration to S/4HANA with Embedded EWM must be considered. **For its customers, ORBIS will create a roadmap for the migration. ORBIS also has the necessary solutions which cover all the key functions of intra-logistics.**

The following ORBIS intra-logistics add-ons already offer the alignment of customer processes in SAP WM to an **SAP EWM compliant process philosophy.**

FUNCTIONS	SAP WM	ORBIS	SAP EWM	ORBIS ADD-ONS
Deconsolidation	25%	75%	100%	ORBIS MPV-RF-Template ORBIS MPV-RF-Template / ORBIS Inventory Cockpit ORBIS MPV RF-Template ORBIS MPI ORBIS MPI
Inventory	25%	75%	100%	
RF	25%	75%	25%	
RFID	0%	100%	25%	
Material flow control	0%	50%	100%	
Wave formation	25%	75%	100%	ORBIS Order-Picking Cockpit
Kitting	50%	50%	100%	ORBIS Order-Picking Cockpit
Monitoring & Reporting	25%	75%	100%	ORBIS Order-Picking Cockpit
Warehouse order creation	0%	100%	100%	ORBIS Transport Control System
Consolidation	0%	100%	100%	ORBIS Transport Control System
Exception Handling	25%	75%	100%	ORBIS IMS
Inventory management / Warehouse organization	0%	75%	100%	ORBIS Add-On
Replenishment strategy	50%	50%	100%	ORBIS Add-On

ORBIS MPS

# ORBIS add-ons for intra-logistics

## Overview

ORBIS offers various add-ons and solutions for intra-logistics which optimally complement existing SAP solutions. All extensions or products are completely integrated into the SAP Business Suite.

The following add-ons in intra-logistics provide the necessary components for migrating from SAP WM to SAP EWM.

### ORBIS MPS – ORBIS MULTI-PROCESS SUITE

To enable the process integration between the shop floor and SAP, ORBIS developed the ORBIS Multi-Process Suite (ORBIS MPS). It is the “enabler” for Industry 4.0 processes with the SAP Business Suite and SAP S/4HANA. Processes are networked, dialogized and visualized on this platform. ORBIS MPS allows for consistent, transparent processes. This is achieved by replacing process breaks or “manual” records with a quick, automated information exchange. Machines and devices are integrated bi-directionally into the SAP processes. This changes the previous transactional step-by-step processing into consistent, integrated process chains. ORBIS MPS therefore provides the basis for human-machine processes and machine-machine processes. Based on ORBIS MPS, a multitude of RF templates are available in intra-logistics, with which missing functions as well as inefficient usability in SAP WM / SAP EWM can be compensated for.

### ORBIS TSS – TRANSPORT CONTROL SYSTEM

ORBIS TSS is a control system fully integrated into SAP for the mapping of all intra-logistical transport operations. For example, dynamic milk-runs, an optimized task assignment as well as layout-oriented warehouse process control, were added to the existing SAP functions. Employees are supported with optimized dialogs based on ORBIS MPS.

### ORBIS ORDER-PICKING COCKPIT

The ORBIS Order-Picking Cockpit is a solution integrated in SAP for the planning and managing of order-picking processes. The aim is a **loop-based and self-steering picking as well as material supply**. Using the Order Picking and Distribution Cockpit, among other things, the following processes can be implemented verifiably and transparently:

- ◆ Synchronization of the picking and material supply
- ◆ Targeted sequence planning
- ◆ Picking by means of so-called “picking lanes” depending on volume, weight, work load etc.
- ◆ Continuous pull-principle, and therefore flexible responses to changing priorities
- ◆ Error detection and processing
- ◆ Automatic replenishment in the internal warehouse, also in consideration of the current need
- ◆ One view, i.e. avoidance of “transaction jumps”

### TEMPLATES, BEST PRACTICES, AS FOR EXAMPLE THE ORBIS DISTRIBUTION COCKPIT

### ORBIS IMS – INFORMATION MANAGEMENT SYSTEM

ORBIS IMS is an assistance system which transparently maps complex and automated processes and absorbs disturbances, in order to pass on the resulting information to the affected persons based on specified escalation processes.

The aim of fault management is to ensure the operative order processing despite errors occurring (deviation from the target state). Parameters for their efficiency include:

- ◆ The observance of delivery times
- ◆ Productivity
- ◆ Turnaround times and circulating stocks

# About us



ORBIS is an international software and business consulting company. With roughly 400 employees, ORBIS advises and supports international corporations and small and medium-sized enterprises in issues ranging from their IT strategy and the optimization of their business processes to system selection, system implementation and system integration. ORBIS uses solutions from the market leaders SAP and Microsoft, companies that ORBIS shares a close partnership with.

Our core competencies cover classic Enterprise Resource Planning (ERP), SAP S/4HANA, Supply Chain Management (SCM), Logistics Execution (EWM/LES), Manufacturing Execution Systems (MES), Variant Management, Customer Relationship Management (CRM) on-premise and cloud, Business Analytics (BI, EPM and data warehousing) and Product Lifecycle Management (PLM). ORBIS supports worldwide rollouts of ERP solutions and processes as a reliable partner. Own solutions for Smart manufacturing, BI, MES, product costing and variant management as well as add-ons based on SAP complete our service portfolio. On the Microsoft Dynamics CRM platform, ORBIS offers sophisticated sector solutions and best practices that it has developed itself, such as SAP-integration.

Over 1500 successfully completed client projects are testimony to our many years of experience in the automotive supplier industry, construction supplier industry, electrical and electronics industry, machinery and plant manufacture, logistics, metal industry, consumer goods industry, trade and the pharmaceutical industry.

ORBIS' long-standing customer base includes among others, Bosch, Eberspächer, Edscha, Hager Group, Heineken Switzerland, Hörmann, hülsta, HYDAC INTERNATIONAL, Jungheinrich, KSB, KUKA Roboter, Magna, Melitta Haushaltsprodukte, Modine, Paul Hartmann, Pilz, Rittal, Schott, SCHUNK, Villeroy & Boch, WAGO Kontakttechnik and the ZF Group.



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