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Transforming the Warehouse into a Profit Center

Extended Warehouse Management

The increasing dynamics of the 'on-demand' world has meant that logistics are constantly changing too. The environment is determined by ever-decreasing order quantities, while the frequency of deliveries is increasing. Optimal warehouse utilization, efficient stock rotations, increased speed, and enhanced transparency are more and more in demand given the increasingly integrated business world. As part of this process, warehouse logistics have evolved away from classical storage to become more and more like a service center. The high expectations of customers require fast and flexible solutions. Technology-driven, highly dynamic processes have replaced static, direct processes, while comprehensive automation techniques have also found their way into the warehouse. Increases in efficiency and robust, streamlined business processes are required for you to meet these growing requirements in future.

For around 30 years now, software-based warehouse management systems (WMS) have been used to support logistics. These systems enable the mapping and management of all internal material and information flows from goods receipt, storage, redistribution and relocation right through to goods issue. Many standard WMS solutions are pushed to their limits when it comes to tackling today's challenges. As a result, connecting to ERP systems is only possible to a limited extent. For example, the activities of the warehouse cannot be synchronized with other business segments such as finance, sales, and manufacturing. Furthermore, material flow management and the integration of warehouse management technologies as well as mobile devices often constitute an increasingly significant vulnerability. Updates are often only possible at a very high cost and in a very time-consuming manner, sometimes even requiring the implementation of a new project. The solution therefore comes in the form of more heavily integrated warehouse management solutions that provide comprehensive functions and process automations in order to guarantee high-performance and efficient workflows.

Challenges



- Stock minimization
- Fast movement of goods
- Additional logistics services
- Dynamic process management
- Process and inventory transparency
- Process optimization
- Automation
- Visualization
- Simulation / emulation
- Integration of subsystems
- High degree of system integration





Key Facts

- Process- and Layout-oriented Management
- Monitoring
- Wave Management
- Additional Logistics Services
- Yard and Labor Management
- Quality Management
- Layout
- Flexibility
- Rapid Deployment-Solutions

The ideal solution:

SAP Extended Warehouse Management

SAP EWM provides you with an integrated logistics solution that is targeted at inter-company processes and enables automated planning, management, monitoring, and billing of all logistics processes running throughout the network of a company (from procurement through to production supply and dispatch). As an integrated solution for warehouse process management, SAP EWM is the perfect addition to the company's primary IT platform. The modern system architecture enables this solution to perform platform functions in order to ensure the 'just-in-time' delivery of data and information to various external systems for all company divisions. SAP EWM automatically provides you with the right information at the right place and the right time. With SAP EWM, you can ensure your long-term profitability and lay the foundations for the further development of your warehouse logistics to create a service center that is customer-oriented, process-oriented and therefore profit-oriented. SAP EWM helps you to tackle large volumes of transactions and complex, multi-level workflows. SAP EWM represents an efficient and sustainable solution, even for multi-customer warehouses with process guidelines that are constantly changing. You start to benefit from the outset thanks to the continuous further development of the already extensive standard functions and the mapping and automation of processes and additional logistical services.



In order to meet the challenges posed by rapidly changing market dynamics and the pressure from demand, companies are increasingly using an integrated supply chain execution (SCE) platform for their logistics, transport, and operations. SAP offers an integrated solution to support your processes with the SCE platform, which consists of components such as transportation management (TM), extended warehouse management (EWM), and event management (EM).



SAP EWM – the practical standard software for your business

An overview of selected functions

Process- and Layout-oriented Management

The new configuration concept enables you to flexibly structure your warehouse processes. You can map and optimize your warehouse processes in EWM using process- and layout-oriented warehouse management. For every relevant warehouse type, the process steps found there can be mapped as warehouse tasks, divided into various functions/subprocesses, and linked with other information that is relevant for the specific application in question. During storage, the functions 'Unload', 'Count', 'Deconsolidate' and 'Permanently Store' are combined with warehouse requests and rules, processes, and storage strategies. The concept is also applied to outsourcing and the subsequent shipment to the transport vehicles.

Monitoring

The Warehouse Monitor is the central management element for day-to-day transactions. It offers the warehouse employee the option to actively manage and intervene in the warehouse process, in addition to the real-time mapping of warehouse processes. KPIs derived from the Warehouse Monitor can be graphically displayed in the warehouse cockpit.

Wave Management

Efficient wave management allows you to control the order quantity that is released for the resources at a specific time. You can therefore avoid performance peaks, tailor the waves to various warehouse request items, and optimize the use of your pick strategies.

Additional Logistics Services

Simplify the completion of your products! Through additional logistics services, EWM enables you to assemble, package, and label your products. Kitting allows you to generate various modules in advance using configuration; you can then automatically link these with pick handling units.

Yard and Labor Management

SAP EWM offers you comprehensive yard management. This allows you to efficiently manage incoming and outgoing vehicles in the yard as well as their movements outside the physical warehouse. Efficient labor management will help you in planning, managing, and visualizing your resources and assignments in the warehouse.

Quality Management

Use SAP EWM and benefit from sophisticated quality management! This means you can map both your manual and automatic auditing processes in EWM. After the quality check, the auditing results are transferred to the ERP.

Layout

The user-friendliness of SAP EWM is unique thanks to its graphical warehouse layout, which displays the warehouse and yard structures in 2D and can be used to arrange interactions of and with resources (forklifts, pickers). As part of this process, resources can be triggered interactively by means of messages and control information.

Flexibility

As an industry-independent system, SAP EWM can be flexibly used in a wide variety of sectors. Templates are available for the individual areas to support and accelerate roll-out, implementation, and customization.

Rapid Deployment-Solutions

The processes of production companies are often spread across great distances, which calls for software solutions that ensure transparency in product development and manufacturing processes and help increase efficiency. SAP's rapid deployment solutions (quick start solutions) provide you with a package, consisting of preconfigured software and implementation services, which enable full implementation in just a matter of weeks. This means you can optimize procurement quickly and at a reasonable price, while at the same time reducing implementation risks. The solution can also be seamlessly integrated into the existing system environment and can be gradually adjusted as your company grows.





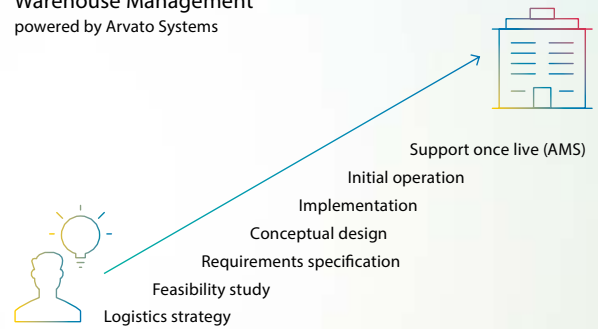
30 years of Warehouse Management – what Arvato Systems stands for

This success story took off with the first automated warehouse at the Gütersloh site. Today, Arvato AG is one of the leading logistics providers, operating over 750,000 square meters of storage space worldwide. The independent system house Arvato Systems is focused on meeting the requirements of the logistics industry and has made a name for itself as one of the leading experts and SAP Gold Partners on the market. More than 200 warehouse projects for companies of all sizes and from a diverse range of industries speak for themselves. As a company with hands-on warehouse experience, we view our customers as partners and guarantee professional project development while taking account of the framework conditions of the specific customer and market.

Logistics Excellence

As a full-service provider, our portfolio ranges from site planning and the implementation of IT-supported warehouse management systems to general integrator with delivery of an operational warehouse.

Warehouse Management
powered by Arvato Systems



As part of the introduction of SAP extended warehouse management solutions, Arvato Systems integrates industry-relevant, internal process expertise alongside SAP best practices. Arvato Systems relies on its in-house and tried-and-tested 'best4projects' method for project management. Depending on the project situation, this approach can be scaled and enables the highest degree of flexibility and security for successful implementation of time-critical SAP EWM projects.

You have questions, need information or a contact?
Get in touch with us.

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