



# SAP WAREHOUSE MANAGEMENT SYSTEM

## SAP Warehouse Management System

Improve Resource Productivity and Enhance Inventory Accuracy

Service Brochure

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Your Trusted Advisor

# *SAP Warehouse Management System*

Computer support for the organization and management of warehouses has become imperative for timely, effective processing of logistic requirements within a company. The SAP Warehouse Management (WM) application provides flexible, automated support to assist you in processing all goods movements and in maintaining current stock inventories in your warehousing complex.

## **WM supports warehousing processes by making it possible for you to**

- Define and manage complex warehousing structures
- Optimize material flow using advanced put away and picking techniques
- Process goods receipts, goods issues and stock transfers quickly and easily

## *Why Warehouse Management?*

Although it is possible for you to manage warehouse inventories using the Inventory Management (IM) application component, the primary difference between managing stock in WM and in IM is that in IM, the system can only display the total stock of a material for a storage location. If a warehouse is small and easily manageable, then the use of IM may be sufficient to fulfill your needs.

WM, on the other hand, offers the capability to manage stock quantities in each individual storage bin in highly complex storage facilities. This means that, with WM, you can optimize the use of all storage bins, mix pallets belonging to several owners in randomly slotted warehouses and know exactly where a particular material is located in the warehousing complex at all times.

## Integration

The Warehouse Management application is fully integrated into the SAP R/3 system. Transactions that are initiated in other SAP components result in corresponding tasks in WM which activate the actual physical transfers within the warehouse. A few of these activities include:

- Material movements and changes in material status, such as releasing goods from inspection
- Material staging to production supply areas
- Picking and shipping goods for sales orders



Most activities that take place within WM are initiated in Inventory Management. For example, most goods receipts, goods issues and posting changes are initiated in IM and subsequently processed in WM.

WM is also interfaced to Sales and Distribution (SD) through the Shipping module to process delivery documents for both the integrated WM application and the decentralized WM system.

The WM interface to Quality Management (QM) allows warehouse administrators to track and manage inspection lots that are stored in the warehouse.

WM is also interfaced to the Production Planning (PP) system to assist in providing materials to supply areas in production.

## *Benefits of Warehouse Management*

The SAP Warehouse Management (WM) system provides the flexible, efficient, automated support that enables you to:

1. Manage highly complex warehouse structures and several different types of warehousing facilities including automatic warehouses, custom-designed storage areas, high rack storage, block storage, fixed bin storage and all other commonly used storage areas
2. Define and adapt a variety of storage bins for use in your specific warehousing complex
3. Process all relevant warehousing activities and movement tasks, such as goods receipts , goods issues , internal and external stock transfers , automatic replenishment of fixed bins, material staging to production areas and stock difference handling
4. Utilize random slotting for multiple owners of goods
5. Display summary evaluations of all goods movements in the warehouse
6. Implement a variety of readily available put-away and picking strategies including self-designed strategies
7. Support the storage and retrieval of hazardous materials and all other goods that require special handling
8. Maintain up-to-the-minute inventory records at the storage bin level using real-time continuous inventory techniques
9. Support the use of automated barcode scanners and RF technology for all stock movements
10. Interface to external non-SAP warehousing systems
11. Fully integrate your Warehouse Management system for instantaneous interaction with other SAP components to include Materials Management (MM), Inventory Management (IM) Production Planning (PP), Quality Management (QM) and Sales and Distribution (SD).

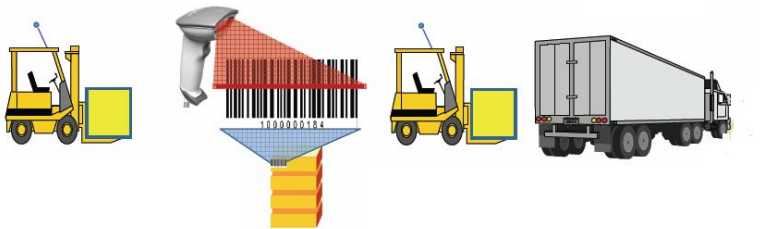
## Mobility in Warehouse Management

SAP WM supports the use of automated barcode scanners and RF technology for all stock movements. RFID enabled Warehouse Management helps to structure the work in the warehouse efficiently and cost-effectively, and to control the warehouse workers' work steps clearly and simply via mobile radio-frequency terminals. Many of the internal and external warehouse activities in SAP are supported by the RF connection.

### Goods Receipt:



### Goods Issue:



- Put away
- Interleaving
- Picking
- Pick and pack
- Inventory
- Posting changes
- Pack/unpack
- Load/unload

### *Next Steps ->*

- **Step 1:** 3 Day Assessment of your Warehouse with a Report
- **Step 2:** Selection of Mobile Devices and Infrastructure requirements.
- **Step 3:** A complete fixed price Proposal to implement SAP WM with mobile interface.
- **Step 4:** Implementation of the Solution
- **Step 5:** Post Go Live and Support

## Hardware Partners

- **ECOM:**

Ecom Instruments is a worldwide operating manufacturer of mobile devices for industrial use. Especially in the field of Communication, Measuring & Calibration, Flashlights and Mobile Computing, ecom is the leading company for Ex-hazardous equipment. These devices are intrinsically safe and have the necessary certifications to operate in a hazardous environment. There are inbuilt RFID drivers and Prospecta has the interface built for these devices.



- **Pruftechnik:** PRUFTECHNIK is a maintenance technology company, pioneered laser shaft alignment and offers products and services in alignment, condition monitoring and non-destructive testing. With subsidiaries and distributors in more than 70 countries the company serves the manufacturing enterprises around the world. Prospecta has built the interface with one of the leading tools for condition monitoring Vibtool. This makes sure that there is no manual entry for measurements such as Temperature, Acceleration and Vibrations.



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<http://www.prospectasoftware.com>

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