WAREHOUSE MANAGEMENT SOLUTIONS

for Microsoft Windows®

Dynamic Software Solutions

DS WMS

provides flexible and highly scalable solutions. We do our utmost to ensure the solution we implement for you is cost-effective and
creates a very quick return on investment – no matter the size of your business and logistics needs. Solutions from “Stedo Soft” give you optimized processes and tools to cost effectively manage staff, equipment, storage space and other resources.
A reliable Warehouse Management System (WMS) creates a considerable increase in effi ciency and pays for itself. It reduces costs both through better direct support of working procedures and from better inventory accuracy, avoiding expensive error correction. An important part of an efficient warehouse is to have systems built to be used in real-time.

DS Warehouse Management System is a Microsoft Windows based software solution, which interfaces seamlessly with existing ERP and accounting systems. DS WMS paperlessly tracks orders and inventory in real-time, using RF, bar codes and other auto-id technology. This enables users to maximize control of their orders, warehouses, and distribution operations, while optimizing use of personnel and equipment.

Some of the benefits of DS WMS include:

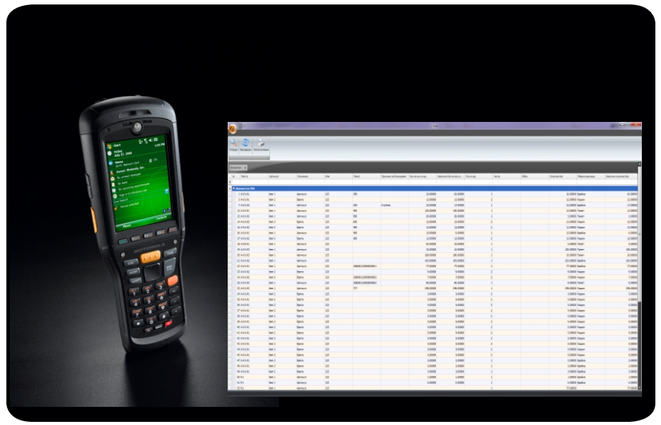
- Detailed Facility Location & Bin Mapping
- Real Time, Paperless Inventory Control Using Bar Codes and Radio Frequency
- Supply Chain & Electronic Data Interchange (EDI) Support for In-Bound & Out-Bound Operations
- Internet Strategies for Improved Customer Service
- Vendor Compliance Labeling
- Manifesting, Transportation Planning & Routing
- Interface to ERP System for Work Order Fulfillment
- Integration with Manufacturing Processes

DS WMS is designed to improve material flow and throughput. It is also well adapted to support future growth and expansion of facilities and systems. DS WMS is engineered and developed to control costs, improve inventory accuracy and availability of material, while enhancing personnel productivity, resource scheduling and customer service.

DS WMS Functionality is Easy to Use and Includes the Following Major Functional Areas:

- Receiving
- Location Management
- Bar-Coding
- Real-Time, Wireless RF Handheld Communication
- Putaway
- Material Handling and Movement
- Inventory Management and Cycle Counting
- Standard Reporting and Labeling
- Waving: Grouped Release of Orders
- Batching: Batching Picks and Tasks
- Picking
- Shipping

Our standard ERP integration scenario works for any ERP. DS WMS can be interfaced with many types of warehouse automation including picking modules, conveyor systems, in line scales, packaging systems, carousels and warehouse control systems.



Tier 1 Functionality

For Any Size Company

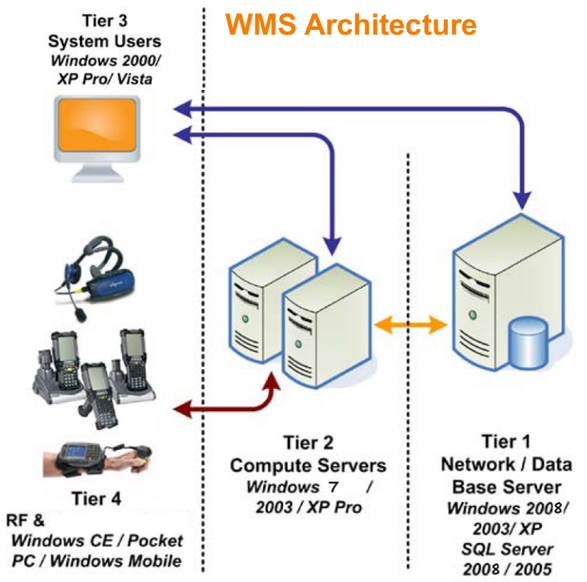
DS WMS offers companies of all sizes a broad and rich set of functionality capable of running the biggest warehouses but simple enough for the smallest without the high cost normally associated with a system of its capabilities.Companies using DS WMS benefit from many features and functions including:

- System Administrator for managing all system parameters and rules
- Receiving
- Putaway (Directed, Manual or Semi Directed)
- Moveable Unit Operations
- Location Manager
- Order Processing
- Picking (Order, Zone, Multi Order, Narrow Aisle,
- Replenishment (Hot, Top Off, Bulk)
- Shipping / Load Verification
- Cycle Count
- Box Building
- Advanced SKU Picking
- WMS Web Reporting Tools

Implementing a WMS system can be an extensive process changing not only processes but often times the companies culture too. “Stedo Soft” proven implementation model ensures
that the DS WMS is installed as eficiently as possible including leveraging DS WMS's modular design which allows for a phased-in implementation strategy for some clients.
DS WMS provides a real-time systems foundation which allows for expansion. It also provides the ability to quickly and accurately react to changes in business objectives, vendor considerations, and customer requirements.

System Design & Architecture

DS WMS is designed to provide control over the seemingly uncontrollable variables in your distribution center.
Using today's state-of-the-art development technologies as well as wireless technologies, DS WMS operates on Microsoft's Windows family of operating systems and utilizes Microsoft SQL Server as its database manager to ensure a powerful, reliable, secure platform for users. Whether you have 5 users in your warehouse or 100, DS WMS is a solution that can be easily scaled to your requirements.
Worker activities will be both directed and accuracy-verified through the use of radio frequency equipment in a real-time environment. Every activity is recorded by scanning a bar code.
This information is instantly visible to Host systems, allowing management to make immediate decisions regarding the best way to operate their business.
Designed to run on any mobile device that supports Windows CE or Pocket PC, DS WMS can utilize a variety of hand held and pc technologies from vendors like Motorola Symbol, M3, Intermec and others.



REAL TIME WAREHOUSE AND INVENTORY INFORMATION

To Run Your Business And Improve Your Bottom Line

Four primary concepts are employed to manage the wealth of information DS WMS generates.

Moveable Unit

As goods are received, either existing bar codes are used or new bar codes are applied to construct moveable units with an identifying bar code or license plate. A pallet, a carton, or a piece can become a moveable unit that can be tracked throughout the distribution center. A moveable unit must have the following characteristics: unique identification, defined location, and defined contents.

Location Manager

Within WMS is a location map accounting for every location in the distribution center, each with a discrete address. Bar codes are used at each location, providing an easy means to capture accurate location data. Locations can include all rack and shelf locations down to the individual slot level. Locations also map to names for receiving/shipping lanes, drop zones, and floor locations. As moveable units are created or moved, their progress is easily recorded and tracked within WMS.

SKU Master

Every product housed in the distribution center can be tracked by a variety of data elements including internal SKU number, UPC number, UPC Carton Code, Product Class, Environment Code and more. These SKUs are contained within Moveable Units. At any given time, the system can provide management with information on the total quantity and physical location of any SKU within the distribution center.

Security & Admin

Using unique operator ID numbers for each system user, DS WMS allows management to control which modules each worker has access to. Workers are also assigned levels of security, which determine the level of capability or depth of access allowable for that worker. This feature of the software is ideal for training purposes, as it allows for only limited use and access to the system until training completion and comfort levels are expanded.

Throughout the DS WMS modules, the amount of data entry required by an operator is minimized. Data that is constant from one transaction to another, such as operator ID, will not be entered for each transaction. It is retained in memory for all transactions until an operator logs off a Radio-Frequency Unit. Data, such as time and date for each activity, is automatically captured and stored by the system and maintained for management reporting.

Radio frequency equipment on material-handling assets, such as fork-trucks, is controlled with tracking numbers. Individual capabilities can be assigned so that the proper asset will be used for the proper task. For example, narrow aisle fork-trucks will only be assigned to their designated areas and tasks. When a worker begins working with a piece of equipment, he will record the tracking number of his unit so that any work assigned will be within the capabilities of the workers' equipment.

The Bottom Line

DS WMS uses the strength of Microsoft's Windows Platform with real-time data capture by radio frequency, to control and direct the flow of information, products and assets throughout your distribution center. **The bottom line is that DS WMS will improve your business in countless ways including better customer service, improved inventory accuracy, increased productivity within your distribution center, better utilization of all assets thus improving your bottom line. Call us today to see how DS can start helping your business with our Dynamic Software Solutions.**

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