

“ The World Class Warehouse Management Software ”



Enterprise Warehouse Management System with
Automated Storage & Retrieval System (ASRS) Integration

“ WMCentral Enterprise Suite is an end-to-end enterprise grade Warehouse Management System that can also integrate with Automated Storage and Retrieval System. ”

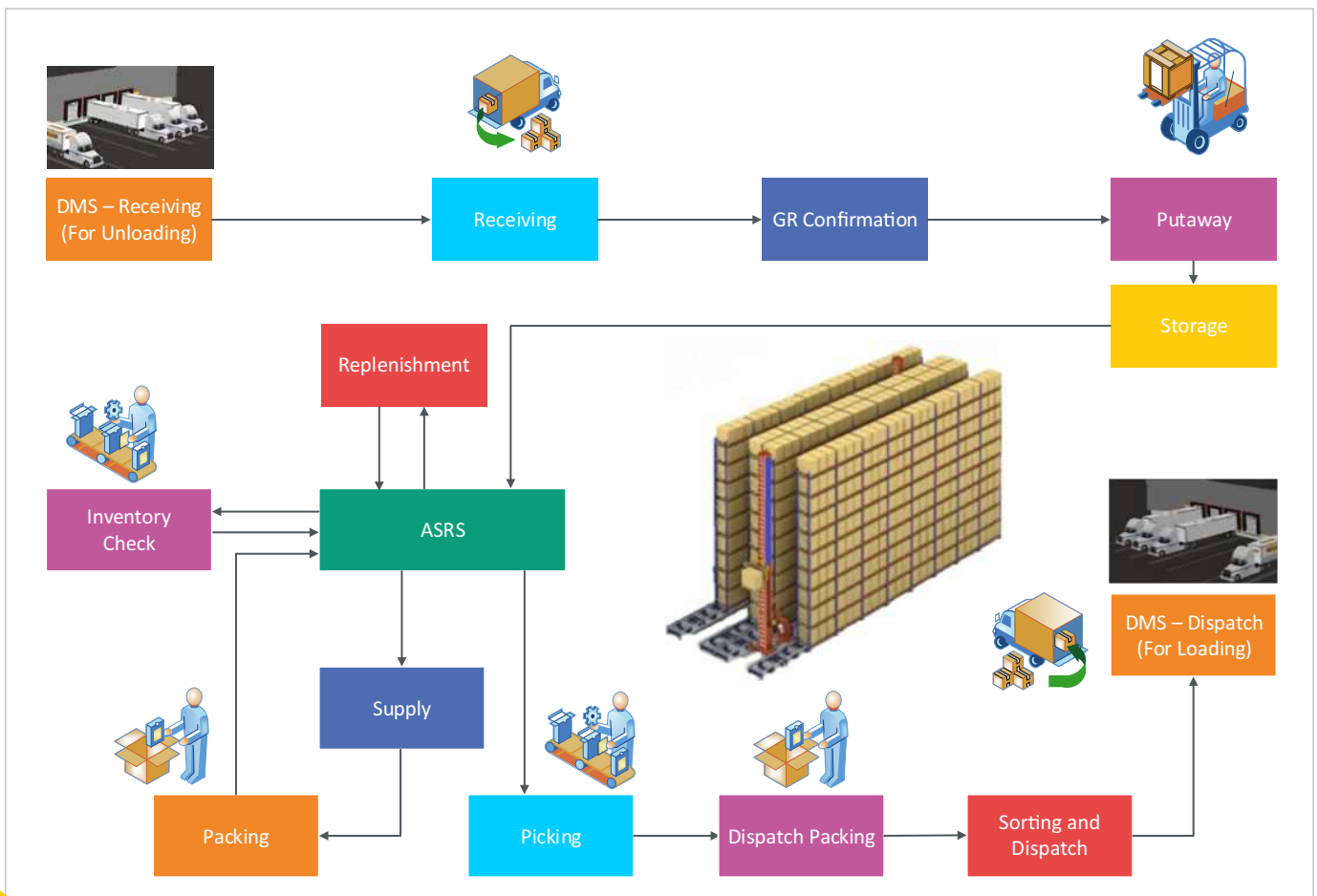
This suite covers all warehousing activities such as receiving, put-away, storage, inventory management, supply, replenishment, kitting, order fulfillment, picking, checking, packing and dispatch, by keeping track of each of the activities leveraging advanced data capture using Barcode labelling / RFID tagging and related technologies.

It provides visibility of inventory through the entire life cycle of goods getting processed through the Warehouse Management System, right from the time it enters the warehouse until it leaves the facility.

WMCentral not only automates warehouse operations, but it also supports in significantly reducing the operating cost by shortening order-fulfillment cycles and maximizing efficiency. It boosts productivity by using Task Interleaving features for high throughput, reduces inventory costs implementing MOQ and automated replenishment to minimize holding excess stock and improves inventory accuracy.

Overall Schematic

- ▶ Dock Management
- ▶ Supply
- ▶ Packing for Dispatch Boxes
- ▶ Receiving
- ▶ Pre-packing
- ▶ Sorting
- ▶ Putaway
- ▶ Picking
- ▶ Dispatch
- ▶ Storage
- ▶ Replenishment
- ▶ Loading



Features

- ✓ Dock Management
 - Inbound / Outbound Trucks
 - Priority Wise Loading / Unloading
 - Truck Status Monitoring & Route Group Assignment
 - Voice Announcements
- ✓ Storage Locations Management
- ✓ Receiving
 - Weighing (Automated / Manual) for Acceptance / Rejection
 - Palletizing
 - Automated & Manual Put-away / Storage
 - Storage Verification
 - Goods Receiving Confirmation
 - Goods Return Management
 - Quality Inspection
- ✓ Cross-docking
- ✓ Supply for Pre-packing and Packing
- ✓ Packing
 - Production Planning
 - Automated and Manual Pre-packing
 - Storage
- ✓ Order Processing
 - Wave Management
 - Picking and Packing (Export)
 - Pick to Light
 - Dispatch Packing, Sorting & Loading
- ✓ Task Interleaving
- ✓ Replenishment
- ✓ Invoice & Invoice Reversal
- ✓ Inventory Management:
 - Raw Materials
 - Packing Materials
 - Finished / Semi-finished Goods
 - Tools & Spares
- ✓ Inventory Cycle Count
- ✓ Equipment monitoring and management
- ✓ Special Features:
 - Automated, Semi-automated and Manual operations
 - Robust & Load balancing every-step-of-the-way
 - Extensive Alerts for operators for required manual actions
 - Manual overrides in all areas
 - Floor-plan based Inventory views at various levels like rack, bay, bin etc.
 - Extensive Transactional and Summary Reporting
 - 2-Way Live integration with ERP Systems
- ✓ Integrates with all components of Automated Systems including:
 - Picking Systems
 - Lifting Systems (Cranes) & Automated Transportation Systems (Laser Guided - LGV, Magnetic Guided - AGV, Rail Guided – RGV, Sorting Vehicles etc.)
 - Sorting Systems (Steel Belt, Chute etc.)
 - Label Printers/Applicators
 - Scanners
- ✓ Technical Features
 - Web based Administration & Reporting
 - Windows Application for high-speed operations
 - Hand-held Device Applications for mobility
 - Highly optimized database operations
 - Centralized control of all equipment operations
 - Readily integrates with popular Barcode & RFID devices

Benefits

- ✓ Full visibility and accuracy of available Inventory.
- ✓ Excellent picking and delivery accuracy.
- ✓ Highly optimized storage & retrieval and improved operations throughput.
- ✓ Improved resource planning, handling & management and minimizing of down-time.
- ✓ Allows short interval scheduling, grouping of operations (waves) and release - allowing easy management and coordination of several parallel and sequential activities leading to high efficiency.
- ✓ Aids efficient order processing through optimized pick paths.
- ✓ Minimizes idle time of equipment and distributes load avoiding bottlenecks.
- ✓ Employs intelligent logics while driving the ASRS to optimize put-away and picking operations by arranging a put-away en route next picking operation reducing "deadheading" (empty trips).
- ✓ Allows for 24x7 operations, to achieve maximum throughput/volume with minimum down time in the Warehouse.
- ✓ Helps in controlling hundreds of equipment including the conveyors, cranes, Automated Transportation Systems and Automated Sorting Systems automatically.
- ✓ Allows for unhindered Warehouse Operation, while allowing to plan for inventory check of the entire stock in Warehouse in a phased manner.

Integrations



About SIERRA

SIERRA is an INDIA based Software Company with operational offices in Singapore, Malaysia, USA and UAE; proficient in Hardware Integration / Automation technologies, Enterprise Software Development, Custom Software Development, Web and Mobile Application development for customers world-wide. SIERRA's eFACiLiTY® is the leading Computer Aided Facilities Management (CAFM/EAM) software in India.

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