

# Service as a supply chain hub in the centre of the logistics chain

In the rapidly changing market, most companies strive to operate in a more dynamic supply chain, so that they can respond better and faster on growing changes of customers and market conditions.

Flexible ICT solutions are playing an increasingly important role in a supply chain design.

The flexible SmartWMS solution optimizes the logistic processes for people, supplies, and deployment of equipment to create a very flexible, efficient and lean distribution operation. The result is a high performance operation, low distribution costs and strong return on investment.

SmartWMS solution supports the following functionality:

## Goods receiving

Accelerate the arrival process of goods receipt from the receiving dock to the preferred storage location. Managing the stock accuracy starts with a very effective operating receipt process.

### FUNCTIONALITY

- Dock Management
- PO, ANR and DESADV pre-receipt support
- Paper, RF and weight process handling
- Stock Unit Handling
- Receipt Label generation
- Support SSCC registration
- Support Quality Control
- Reserved Logistics / Returns
- Receipt Confirmations (to ERP)

## Put away

The storage process supports the transport of the goods from the receiving area for a suitable storage location. The WMS uses process-driven workflows to define flexible put-away strategies, which support the entire storage process.

### FUNCTIONALITY

- Generating put away advices
- Complex put away algorithms
- Re-Assigning put away tasks
- Task Management
- Multi Step Moves
- Supports multiple MHE's

## Order fulfilment

Increasing the order fulfilment response is a strategic key to success in today's supply chain market. The SmartWMS solution reduces the time between receiving the order and the delivery of the order.

### FUNCTIONALITY

- Store travel sequenced picking
- Supports Paper, RF and Voice-picking
- Barcode generation and scanning
- Supports SSCC generation
- Allocation Strategy (FIFO and Best-Before)
- Order Driven Replenishment (min/max and reorder points)
- Task and Priority Management
- Bulk- and detailed-picking lines creation

## Delivery

Increasing the delivery reliability while keeping the warehouse delivery costs under control. The SmartWMS solution eliminates the need for an operator that ' double-check ' tasks before a shipment is delivered.

### FUNCTIONALITY

- RF loading
- Transport Labels & Documentation
- Shipments across multiple warehouses
- Web tracking & tracing
- EDI (DESADV2 / DESADV4)
- Generating delivery notes, gift cards
- Transport labels & documentation
- Packing
- Ship Unit Building
- QA process flows

## Inventory Management

Having stock at the right time, reduced any write-off costs and angry customers. The SmartWMS solution helps logistics managers in managing their optimal inventory levels, by identifying fast-and slow-going products.

### FUNCTIONALITY

- System-directed Replenishments
- Manual Moves
- Blocking and de-blocking of stock section, location range or shipment
- Serial/Lot and Best Before Date (BBD) control
- Real-time inventory control and cycle-counting  
Cycle-counting takes into account counting history bulk- & operational locations, picking errors, extra counting requests
- Supports different units of measures (UOM)
- Management Information

## Equipment

SmartWMS manages the non-automated and the material handling automated operation. The WCS is embedded in the SmartWMS solution and manages the routing of product, work-in-process, and inventory through a network of MHE.

### SUPPORTED MATERIAL HANDLING EQUIPMENT

- Pick-to-Belt systems ◀
- Automatic Storage & retrieval Systems AS/RS ◀
- Dynamic Picking System (DPS) ◀
- Conveyor belts ◀
- Sorting Systems
- Mobile Handheld Terminals
- Mobile Truck Terminal
- Voice ◀
- Put-to-Light systems ◀
- Pick-to-Light systems ◀

◀ Interfaces have been developed with Witron, PCData, Beumer, Zetes, KNAPP, Vanderlande



### FACTS

SmartWMS supports the daily logistic operations of Kruidvat, ICI-Paris-XL and Victaulic Europe. The WMS system communicates with different ERP systems via a generic interface layer and controls the goods reception, receiving, storage and order fulfilment of the logistic operation.

### SUMMARY

- Optimized instructions for all logistical tasks
- Visibility into inventory and outstanding work
- Visibility into the performance of the employees
- Web-based user-interface
- Integrated with all your Material Handling Equipment

### SMARTWMS REFERENCES



At ICT we're eager to take up the challenge!

For more information about ICT and/or SmartWMS, please visit [www.ict.eu](http://www.ict.eu) or email us at [logistics@ict.eu](mailto:logistics@ict.eu)