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

SmartWCS warehouse Management System

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 preferredstorage 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 historybulk- & 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 ◄

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.

SmartWCS references

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

For more information about ICT Group's possibilities and solutions for your specific situation, please contact:

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