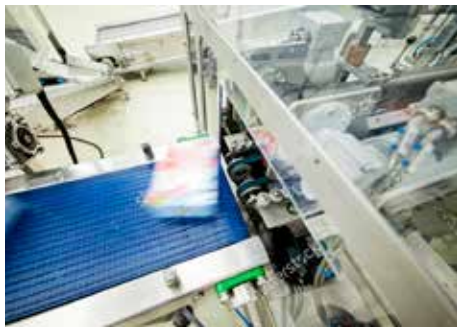


SMARTWCS WAREHOUSE CONTROL SYSTEM

Orchestrating warehouse efficiency



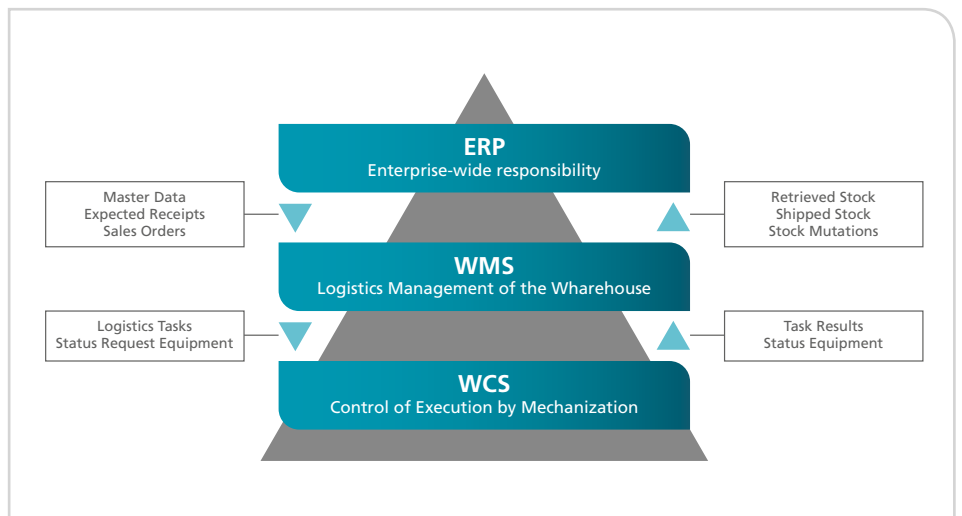
In the rapidly changing market, most companies strive to operate in a more dynamic supply chain, so that they can respond better and faster on growing changes of customers and market conditions. Flexible ICT solutions are playing an increasingly important role in a supply chain design.

The flexible SmartWCS solution coordinates, controls, and monitors the material handling systems, fulfilment methods, and task oriented activities of automation systems of any throughput level or complexity in distribution centres, fulfilment centres, and warehouse automation operations.

FILLING THE GAP BETWEEN YOUR BUSINESS SYSTEM AND WAREHOUSE AUTOMATION

A full function, powerful warehouse control system, SmartWCS can be deployed as a stand-alone application or as a complement to an existing warehouse management system (WMS) or host business system (ERP). It can also be coupled with OMS, or TMS functions.

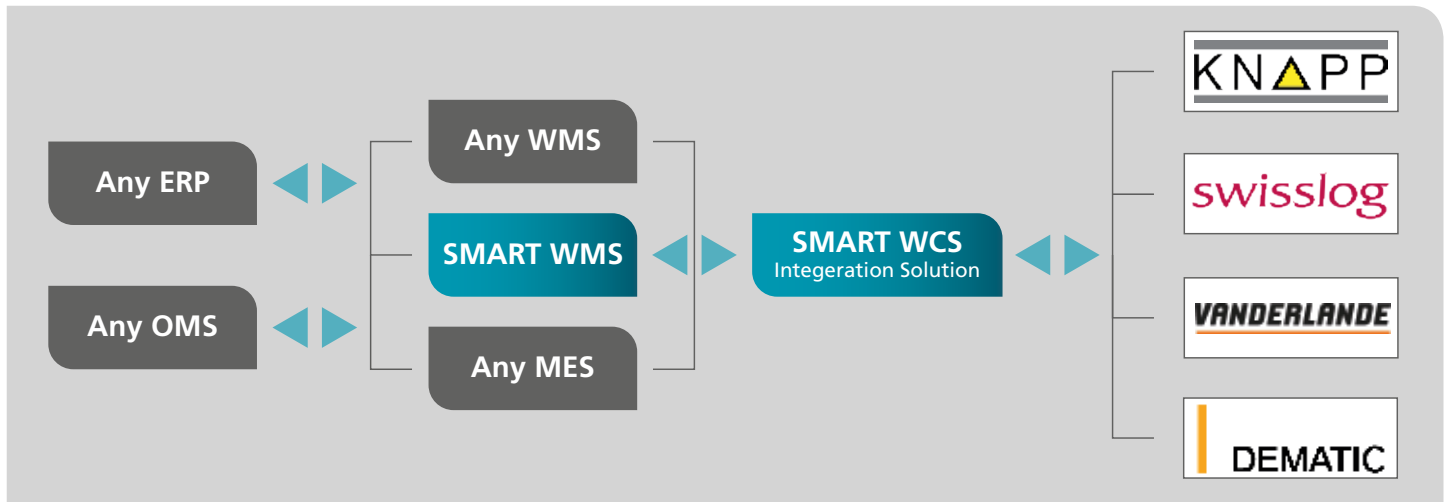
When combined with a host ERP, SmartWCS acts as a middleware offering bi-directional interfaces that act as a glue bonding disparate business systems and equipment into one cohesive system. SmartWCS fills the gaps in function and system controls that are needed to seamlessly integrate all aspects of an operation from order release and inventory receipt, all the way to the shipping door.



SMARTWCS ORCHESTRATING WAREHOUSE EFFICIENCY

The SmartWCS (Warehouse Control System) is an integration solution for orchestrating activity flow within a warehouses or distribution centre. SmartWCS coordinates material handling sub-systems such as conveyor belts, carousels, AS/RS, scales and sorters.

At each decision point, SmartWCS determines the most efficient product flow and transmits directives to the equipment controllers to achieve the desired result. Facilities with automated material-handling hardware often have a warehouse control system (WCS) that integrates with a warehouse management system (WMS) to provide management with a comprehensive view of the warehouse.



SMARTWCS FEATURES

- Real-time location and content management of automated warehouses
- Real-time task management, controlling automated Material Handling Equipment (MHE)
- Real-time routing to route boxes or pallets on transport / sorting systems
- Standard functionality for application tracing, logging and reporting
- Customer specific visualization of transport systems and/or cranes
- Standard alarm handling and error handling
- Standardized modules for equipment integration such as PLCs, Pick-To-Light, AS/RS, Put-To-Light, scanners and handhelds
- Standardized modules for host integration for parent systems such as WMS and ERP and suitable for multi-client use



FACTS

ICT gained a large amount of crucial knowledge from working closely together with these demanding customers, delivering complex system integration expertise and solutions in the WMS, WCS and Material Handling Equipment area.

SMARTWCS REFERENCES



SUMMARY

The SmartWCS solution combines all systems integration expertise from ICT into a generic WCS system with a uniform interface for a variety of Material Handling Equipment (MHE's), especially from different MHE suppliers to upper level management systems like ERP, OMS and WMS.

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

For more information about ICT and/or SmartWCS, please visit www.ict.eu or email us at logistics@ict.eu