

SIEMENS



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The intelligent warehouse IT of VarioLogistics Suite

Boosting the efficiency of warehouse processes, material flow and inventory management

Intelligent logistics concepts

Highly efficient IT systems support planning and operating warehouses

The challenge: Next-generation logistics

Over the next few years, logistics will face considerable challenges. These include strong growth in freight traffic, limited infrastructure capacities as well as increasing environmental demands. In addition, the structures of international business will become even more complex and dynamic. This is why successful warehouse planning and operations depend on intelligent logistics concepts based on comprehensive IT systems.

The solution: The VarioLogistics Warehouse Management System

The Warehouse Handling System/Warehouse Operation System (WHS/WOS) is an integral component of the VarioLogistics Suite designed by Siemens. It is a highly efficient IT system in intralogistics which has proven its capabilities in numerous projects worldwide. The IT platform is based on the very latest software technology. Numerous solution modules enable individual mapping of customers' business processes. Thanks to its modular principle, the solution can be extended at any time, which ensures consistent and optimized processes as well as utmost flexibility and security.

The goods handling process - the Siemens solution

Incoming goods



Storage



Order processing





Up-to-date overview

The WHS/WOS of the VarioLogistics Suite gives warehouse operators a decisive competitive edge: with the Siemens warehouse IT they can continuously improve their warehouse processes and use resources more efficiently. Constantly updated inventory, order and status information helps them to meet delivery dates reliably and shorten throughput times. This helps reduce capital lock-up. Warehouse IT from Siemens enables a throughput-optimized transport of the different loading aids and products. Based on efficient processes and a high degree of automation, warehouse operators can increase order quality and optimize personnel and operating costs.

Key highlights

- Maximum inventory security
- Process optimization
- Efficient material flow via permanent route optimization
- Optimal utilization of warehouse volume
- Flexible interfaces for connection of standard and proprietary ERP systems and arbitrary legacy systems
- Connection of different order picking systems and hardware components (e.g. stacker cranes and conveyor systems)
- High flexibility and stability due to the use of a model-driven approach
- Architecture supports highly sophisticated requirements (systems)
- Scalability for current and future requirements
- Option of gradual introduction through standardized hardware and software components
- Validated by the Fraunhofer Institute

Order-picking



Replenishment and stocktaking



Outgoing goods and shipping





VarioLogistics Suite WHS/WOS

Worldwide references



Switzerland

- Schweizerische Post AG (Swiss Postal Services)

Croatia

- Podravka

Germany

- Audi
- BMW
- Osram
- Nachtmann
- Schwan Stabilo
- leesys

South Africa

- Standard Bank South Africa

China

- S.F. Express
- Electronics Works Chengdu (EWC)

Siemens Postal, Parcel &
Airport Logistics GmbH
Lilienthalstrasse 16/18
78467 Constance
Germany
info.logistics@siemens.com
www.siemens.com/logistics

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.