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)

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For more information, visit www.siemens.com/logistics
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. It is an 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.

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 date reliability 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 (size, systems)
- Scalability for current and future requirements
- Option of gradual introduction through standardized hardware and software components
- Validated by the Fraunhofer Institute
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The goods handling process - the Siemens solution
Incoming goods      Storage              Order processing                                                   Order-picking                           Replenishment and stocktaking     Outgoing goods and shipping

Order processing

Order-picking

Replenishment and stocktaking

Outgoing goods and shipping

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The intelligent warehouse IT
of VarioLogistics Suite
Boosting the efficiency of warehouse processes, material flow and inventory management

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