

Improve warehouse processes with SAP

Hazet: Used SAP to enhance Heinsberg site



HAZET-WERK Hermann Zerver GmbH & Co. KG is a German manufacturer of high-quality tools and workshop equipment, with its headquarters in Remscheid. The family company manufactures over 5,500 different products in its four factories in Remscheid and Heinsberg and has more than 500 employees. In addition to specialist and accessories retailers, HAZET and HAZET's sales partners supply the automotive industry, commercial users such as industrial companies, airlines, skilled trades, commerce and government agencies.

Within the scope of this project, the capacity of the existing logistics center at the Heinsberg site has been expanded. In addition to a new manually managed pallet warehouse, the heart of the facility is an automatic consolidation buffer for demand-based and shipment-ready provision of picking containers at the packing stations.

Project / customer requirements

- Incoming goods processing and storage
- Supplies management
- Process planning
- Picking including pick-by-voice integration and complete stock removal
- Connection to production
- Packing and shipping
- Material flow control system for the consolidation buffer and container conveyor technology
- Control center and monitoring functions
- Integration of IT systems into HAZET's existing SAP infrastructure, with a small number of interfaces

Solutions

- SAP
- SAP EWM
- SAP EWM/MFS
- SAP ERP Integration



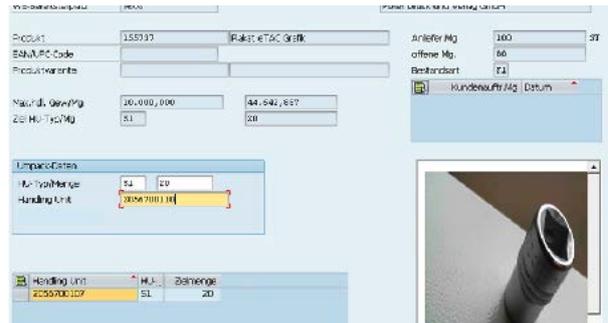
Solution: Warehouse management and material flow control systems with SAP EWM and SAP EWM/MFS

SAP EWM as a strategic SAP solution for warehouse management has been chosen as a basis for the implementation of HAZET's processes and handling. The material flow control system for the automatic consolidation buffer and container conveyor technology was mapped using the SAP EWM/MFS component. The warehouse management and material flow control systems are fully integrated into a logistics IT system, uncoupled from SAP ERP and without an interface. By integrating the material flow control system with direct SPS connection to SAP EWM/MFS, no additional material flow server is required. This greatly simplifies the effort required for the administration and support of logistics IT for HAZET. The open SAP EWM solution gives HAZET the opportunity to be able to respond to market and customer requirements quickly and flexibly.

SAP EWM warehouse management and warehouse control

SAP EWM manages inventories and controls all stock movement in the container warehouse, the two pallet warehouses, the block warehouse and the consolidation buffer. SAP EWM was adapted to the processes and requirements of HAZET, specifically for the project, by Körber. Examples of this are:

- Display of product images on SAP EWM workstation dialogs
- Multi-order picking with optimized handling of single-item orders
- Ergonomically designed packaging functions integrated into the container conveyor technology with a connected shipping printing system and integrated weighing scales
- Consolidation of individual deliveries into shipments



SAP EWM/MFS material flow control system

The material flow control system has also been fully mapped in SAP EWM. The standard component SAP EWM/MFS is used for this purpose. The warehouse management and material flow control systems are closely integrated. The technical communication between SAP EWM and the Körber control technology takes place via TCP/IP.

Picking using pick-by-voice

The picking process starts with the preparation of the picking truck. For multi-order picking, several order containers are coupled with the spaces on the truck. This process is carried out using a mobile terminal on the picking truck. Communication with the pickers in the picking process is done by voice. At the same time, in order to reduce the error rate, the product images of the products to be picked are displayed on a terminal attached to the picking truck. The pick-by-voice solution employed is integrated using the SAP standard technology SAP ITSmobile.

