Intelligent warehouse management for ABICOR BINZEL

Project report

The project: Good planning, smooth integration

Based on the processes already in use at the main plant, ORDAT and ABICOR BINZEL developed a target concept, a difference requirement specification and a solution design document (SDD) for the Dresden site. The target processes were precisely defined and served as the basis for the programme adaptations and the necessary process changes in the production facility. The test system was implemented during ongoing operations: An extensive test phase, staff training, user acceptance tests and various integration tests followed. After everything worked smoothly with the ERP system, the data was transferred and functions configured - then the real start-up preparation took place. This was verified once more and shortly afterwards the system went live. The entire project was realised successfully and within the planned time frame by the entire project team.

The result: Intelligent warehouse processes and increased efficiency

Inventory management, material flow control and hardware control now run highly efficiently via the ERP system. The new ORDAT.ERP *lvs* automates the intercompany processes and ensures simplified storage and retrieval and order picking with subsequent packaging and dispatch control in the highest quality: The carousels from KARDEX can be controlled without any problems, and containers are no longer recorded manually (and thus potentially incorrectly), but are stored automatically and in real time by scanning. Shipment information between the locations is exchanged intelligently via EDI communication and can be used at the destination for simplified storage of the goods. Thanks to the appropriate interface, customs clearance is also carried out electronically and ensures increased efficiency in the consignment processes.

At one glance

ABICOR BINZEL is a leading international specialist for welding and cutting technology. The company has been using ORDAT.ERP (formerly FOSS) since 2004 and has now also equipped the production facility in Dresden with the intelligent warehouse management system ORDAT.ERP *lvs*.

Initial situation: Manual warehouse processes

The warehouse management was carried out manually as far as possible. In particular, the packing and consignment process was completely manual.

The solution: Automated warehouse management

The ORDAT.ERP *lvs* subsystem (warehouse management system) standardises and automates warehouse processes and fully integrates the existing hardware and software components into the ERP system, regardless of the manufacturer. An interface to the shipping and customs system digitalises and simplifies the entire shipment and customs processing. In addition, ORDAT.ERP *mobile* enables mobile data capture of the containers via hand-held scanners.

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