

WMS Series 2, PSZ electronic GmbH, Upper Palatinate, Bavaria.

Efficient and future-proof digitisation of manual warehouse processes.

 **JUNGHEINRICH**



Project:

PSZ electronic GmbH, Upper Palatinate, Bavaria, Germany

Industry:

Electronics

Task:

Initial implementation of the Warehouse Management System Series 2 (WMS Series 2)

Project duration:

03.2016 – 12.2016

Services:

- Jungheinrich EKX 410 high-rack stacker
- Jungheinrich pallet racking
- Jungheinrich WMS Series 2
- Jungheinrich warehouseNAVIGATION with logistics interface
- Radio data terminals and scanner
- Mobile workstation from Jungheinrich

Most important results:

- Higher storage capacity through optimal use of space
- More efficient processing of storage and retrieval operations
- Increased productivity and transparency
- Digital stock overview in real time
- Increased process reliability

One of the market leaders in the industry

PSZ electronic GmbH was founded in 2003 and has its headquarters, including a logistics centre, in Vohenstrauß in the district of Neustadt an der Waldnaab in the Upper Palatinate. As one of the market leaders, the company

produces and assembles tailor-made cable and system solutions for heating and ventilation technology, mechanical engineering, plant engineering, toolbuilding and special vehicle construction, as well as for medical technology companies. PSZ employs around 1,000 people worldwide. The production facilities are located in Germany, the Czech Republic, Albania and Tunisia.

Responding to challenges quickly and efficiently

By introducing a new and efficient logistics solution, the company wanted to achieve a significant increase in storage capacity and optimal turnover rates in order to be able to react as flexibly as possible to the challenges of the future. As well as a significant increase in efficiency and transparency, the best possible use of space and a precise real-time stock overview, the decision made by PSZ electronic to opt for the Jungheinrich WMS Series 2 was primarily driven by the simple execution of the storage and retrieval of various products as well as the digitisation of paper-based processes.

Jungheinrich – everything from a single source

After an intensive consultation and project planning process with the Jungheinrich logistics experts, PSZ electronic received a complete solution with a semi-automatic narrow-aisle warehouse with space for more than 5,000 pallets. This includes two EKX 410 high-rack stackers, the Jungheinrich WMS Series 2, a radio data solution and a mobile workstation.

The requirement

Best possible use of space and efficient storage and retrieval processes

PSZ is representative of innovative ideas, technical expertise and individually tailored solutions – this should also be reflected in everyday warehouse life. Therefore, in addition to the future-oriented optimisation of the warehouse processes and the increase in efficiency, the focus was on a significant increase in storage capacity. Another key requirement was the mapping and support of the storage and retrieval process, taking into account the enormous variety of products and the resulting diverse requirements in terms of packaging and packaging dimensions. The primary goals to be achieved through the use of the WMS Series 2 were to increase process reliability, implement precise stock management at storage bin level, increase traceability and reduce inventory discrepancies. PSZ employees should be able to use the solution easily, intuitively and reliably and, above all, the system had to be ready for use by the New Year period 2016/2017 without any complications.

The solution

Jungheinrich WMS Series 2 for optimum mapping of the flow of material and information

Following the requirements analysis, the obvious choice was a semi-automatic narrow-aisle warehouse with space for more than 5,000 pallets. The racks are approached by two EKX 410 high-rack stackers. The stackers are equipped with wire guidance, terminals, scanners and warehouse navigation and can be operated intuitively and extremely reliably by warehouse staff. With regard to software, the Jungheinrich WMS Series 2 was selected. This is where all the information is collated. It synchronises the entire complex flow of material and information. This allows the warehouse to be optimally managed and controlled. Thanks to a large number of different modules, the software can be flexibly adapted to changes in the warehouse and is therefore future-proof.

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Customer statement

Smart logistics thanks to digitisation of the warehouse

"The system is easy to understand and you can quickly familiarise yourself with the various functions," explains Andreas Prey, Logistics Manager at PSZ electronic GmbH. "Our employees liked our new narrow-aisle warehouse and the Jungheinrich WMS Series 2 right away. Whereas the employees in the old warehouse spent a huge amount of time searching for a specific product, they now know – thanks to the real-time stock management function – what quantity of the corresponding item can be found in which location at any given time. This is all possible thanks to the radio data solution in combination with the Jungheinrich WMS Series 2 warehouse management system. For the first time ever, order processing is paperless. Thus an enhanced overview, increased transparency and an end-to-end ordering process are encapsulated within the WMS. The work is much more efficient and simpler, and the error rate drops to a minimum," explains Prey. "The semi-automatic warehouse makes us even more in tune with our production plants all over the world but also more in tune with our customers and their needs," emphasises the 33-year-old. Andreas Prey is enthusiastic about the cooperation with the team of experts from Jungheinrich: "Everything was perfect from the outset: from the planning phase and the implementation phase to the 'go live' date and the start-up phase overseen by the Jungheinrich experts." Such intense cooperation is rare in this industry and should not be taken for granted.



Andreas Prey, Logistics Manager at PSZ electronic GmbH, Vohenstrauß, Upper Palatinate.

More information:
www.jungheinrich.ch