



+ Intralogistics

Würth Elektronik France SAS

Würth Elektronik France is a subsidiary of the German Würth Elektronik eiSos GmbH & Co. KG. Over time, an initially small warehouse in Lyon, France, has developed into a modern logistics center, which is now one of the logistics hubs of the Würth Elektronik eiSos Group. The concept of added value at Würth Elektronik guarantees delivery of all catalog products within 48 hours worldwide as well as free sample deliveries. Würth Elektronik France relies on PSIwms for the rapid and smooth handling of logistics processes.

The challenge

Due to the steady growth at the Lyon warehouse location, the decision was made to expand the warehouse. In this context, processes that had previously been handled manually should be partially automated. This involved, for

Information



Industry: Electronics
Warehouse location: Lyon, France
Employees: 7.300 worldwide
Turnover: € 822 million (2019)

Deployed software: PSIwms

Realized interfaces:

- + ERP system (Alphaplan)
- + Shipping system (Anton)
- + Material flow computer (Savoye)
- + Pick-by-light

+ Reference project

“PSIwms is an efficient and flexibly scalable software for our specific processes and requirements for the future. True to our motto “more than you expect”.

Damien Lievre, Division Manager Logistics Project Würth Elektronik France SAS

Marko Kübler, Senior Specialist Logistics Software Würth Elektronik eiSos Germany



example, the conveyor technology between the different storage areas as well as the integration of state-of-the-art identification technology including the corresponding IT connection. A particular challenge was the modification of the picking area during operation.

The solution

Supported by experts from the central warehouse in Germany, where PSIWms had already been used, a concept for partial automation was developed together with PSI Logistics. This included among other things, an increase in the storage area for goods receipt from 1,000 to 3,500 square meters, five new loading ramps in the goods receipt area, and an expansion of the pallet warehouse from 2,800 pallets to 9,000 pallets.

For better handling, a replenishment control was integrated across several storage areas – from the pallet warehouse to a shelf storage system to a sample small-parts warehouse – which is managed by PSIWms. In addition, the use of conveyor technology ensures the transport of goods between different storage and functional areas.

The information required for order picking is provided by radio data transmission. If a customer places several orders per day, the order picking is carried out by grouping orders based on shipping dates and customers. A special feature in order processing is the so-called re-reeling. At separate workstations, rolled goods (reels) are processed in the small quantity ordered by the customer and placed on a smaller empty reel which is then packed in a cardboard box.

Storage and retrieval follow the FiFo principle. For this purpose, PSIWms always keeps the date codes (production date/batch) on the inventory so that retrievals can be aligned with the date code.

A high level of transparency throughout the entire logistics process is also ensured by customizable cockpit views based on customer-defined KPIs. Würth Elektronik stands for quality in the field of electronic and electromechanical construction elements. In the course of quality assurance, one part of outgoing goods is first directed to the QA department. Only after inspection, the goods return to the outgoing goods process. If defects are detected, the goods will be removed and a post-production via PSIWms is initiated.

In addition, value-added services support the entire order picking process. This means that notes draw the employees' attention to possible peculiarities in the order, e.g., if they need to add a thank-you gift to the shipment.

Fact sheet:

Users:

- + approx. 80

Language:

- + German, France, English

Warehouse characteristics:

- + 6.000 sqm of storage area
- + 57.000 storage positions
- + 9,000 inventory items (SKUs)
- + High-bay warehouse, shelf, block storage, manual small parts warehouse
- + Special storage for moisture sensitive articles (different temperature zones)
- + Re-reeling (in conjunction with rolled goods)
- + Automatic goods receipt via measuring tunnel (2D barcodes)
- + Types of stored goods: Material in containers/cardboard boxes or on pallets/pallet cages, hoses, cables, rolled goods

PSIWms functions in use:

- + Batch management
- + Cross-docking
- + Weight controls
- + Handling units management
- + Empties and loading equipment management
- + Multi-storage capability
- + Package optimization
- + Forklift guidance system
- + Value-added services
- + Customs
- + Multi-storage capability (locations in Waldenburg, Germany and Lyon, France)



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