

Concept planning, detailed planning and tender support of the MEGALAGER 2.0

NW **NORDWEST**

Initial situation

- NORDWEST Handel AG, headquartered in Dortmund, has been one of the high-performance association companies of the production connection trade for one hundred years
- The core task of the association is to support the more than 1,100 specialized trade partners from the steel, building trade industry, and sanitary and heating technology sectors
- Increasing logistical requirements due to e.g. changed order structures, space requirements due to product range expansions or shifts in order loading times
- Current site is reaching its limits in terms of performance availability in processing and the growing product range

Project content

- Concept planning (definition of degree of automation) and detailed planning of new central warehouse on greenfield site
- Tender preparation and support (incl. question management) of the logistics service provider (LSP) tender as well as specification of the technical trades
- Design of the target processes and preparation of the WMS specifications incl. MFCS requirements
- Support in the design of the tender process (operator model vs. own operation)
- Evaluation of the bids and support in selecting the preferred LSP and technology provider

results

- Multi-aisle automatic small-parts warehouse as shuttle design with over 130,000 storage locations for two bin types
- Conveyor technology to connect the goods receiving area, the picking stations and the packing area
- Wide aisle warehouse with more than 40,000 pallet spaces as well as connected block and cantilever racking
- Selection support WMS and MFCS for controlling the manual and automated processes in the warehouse

