

## REPLACEMENT OF AN EXISTING WMS AT TECHNOCARGO LOGISTICS GMBH

### Fraunhofer-Institut für Materialfluss und Logistik IML

Joseph-von-Fraunhofer-Straße 2-4  
44227 Dortmund

[www.iml.fraunhofer.de](http://www.iml.fraunhofer.de)

### Team warehouse-logistics Ansprechpartner

Dipl.-Ing. Detlef Spee  
Abteilungsleiter  
Intralogistik und -IT Planung  
Telefon +49 231 9743-214  
Telefax +49 231 9743-162  
[info@warehouse-logistics.de](mailto:info@warehouse-logistics.de)

[www.warehouse-logistics.com](http://www.warehouse-logistics.com)

### Short description

The project to replace the existing WMS at TechnoCargo Logistik GmbH and Co. KG was carried out in cooperation with the with the Team warehouse logistics of the Fraunhofer IML.

The goal was to create a future-proof WMS of an innovative provider for the location in Neuss and additionally for the location in site in England and to introduced.

Despite existing standard processes sufficient flexibility should be ensured to cope with TechnoCargo's fast-moving business TechnoCargo's fast-moving business with changing customers and clients.



### Company

For many years, TechnoCargo Logistik GmbH und Co. KG has been a competent logistics service provider for the sanitary, heating and air conditioning industry at various locations in Europe, specializing in the variety of articles and the sensitive handling of these products. TechnoCargo Logistik is a joint venture between the Vaillant Group and the Fiege Group. Since 2009, the company's headquarters with over 40,000 m<sup>2</sup> of warehouse space has been located in the logistics center



Rhine-Ruhr in Neuss. The subsidiary's site in Denby (England) is an important, centrally located interface between the UK and Central Europe. With a warehouse area of almost 22,000 m<sup>2</sup>, individual solutions are developed here and the shortest transit times within and outside the UK are ensured. With its own transport network, TechnoCargo offers a range of services from procurement logistics and warehousing to distribution logistics. IT services and additional logistics services (value-added services) are also included in the scope of services.

### Initial situation

The previous WMS was individually tailored to specific requirements. In order to meet the current and future requirements of the market, TechnoCargo planned to introduce a new WMS for both the warehouse in Neuss and the warehouse in Denby (England). Particular attention was paid to optimized storage location determination and allocation, taking into account individual load carriers as well as article dimensions and characteristics. The optimized processing of delivery orders with regard to different order types and



shipping methods with customer-specific requirements also had a high priority in the selection of the WMS. Furthermore, extensive controlling or control center functionality for optimized control of the warehouse as well as functionalities for billing the services provided in the warehouse were central elements with regard to a new WMS. The new WMS is to serve as a control instrument for optimizing order throughput times and, if necessary, personnel deployment.

### Implementation

Within a joint kick-off meeting, the general conditions, such as project goals, work steps, data requirements, etc. were discussed. The existing processes and workflows were examined along the material flow from order entry to goods receipt to goods issue and compared with future developments. The Team warehouse logistics consolidated and prepared the specifications on the basis of the content discussed in the workshops. Parallel to the preparation of the specifications, Fraunhofer IML created a user profile in the WMS Online Selection in order to match TechnoCargo's requirements with the WMSs available in the database. The expertise of Fraunhofer IML was also utilized in the execution of the tender and in the review of the offers. Based on the presentation of the offers, the project team was finally able to individually evaluate the providers and the subsequent decision support by the Team warehouse logistics. The existing system landscape, for example,



presented a particular challenge. The WMS had to ensure a connection to a wide variety of IT systems, including a transport management system, several ERP systems and a shipping system.

### Result

Thanks to the harmonious cooperation between TechnoCargo and the Team warehouse logistics, a suitable and future-proof WMS was selected. The great expertise as well as the motivation of the project team with which the project could be carried out in a particularly target-oriented manner should be emphasized.