

# Jungheinrich WMS, VDL Wientjes Emmen B.V., Emmen.

**New technologies  
bring efficiency and  
economy to the  
warehouse.**

**JUNGHEINRICH**



## **Project:**

VDL Wientjes Emmen B.V., Emmen, Netherlands

## **Industry:**

Plastics

## **Task:**

Installation of a new wide-aisle high-bay warehouse including trucks, software and IT.

## **Project duration:**

04.2012 – 06.2012

## **Services:**

- 6-aisle, wide-aisle high-bay warehouse with 4,430 pallet positions
- 2 ETV reach trucks
- 2 ERE pedestrian pallet trucks
- 4 radio data terminals
- Jungheinrich Warehouse Management System, radio data
- Safety management

## **Most important results:**

- Increased efficiency and productivity
- Warehouse management for several warehouse zones

## **Fit for the future with warehouse expansion and innovative technologies**

The Dutch company VDL Wientjes Emmen B.V. produces thermal cured and thermoplastic plastic products for a number of different industries. The company's strength lies in the use of innovative developments in the fields of raw materials and processing technology. Its installation

of a new high-bay warehouse including fork lift trucks, software and IT has equipped the company for its increasing production and logistics demands.

## **Warehouse technology and software in perfect harmony**

Key factors which led to this investment at the logistics site included the growing demand for the innovative products manufactured by VDL Wientjes Emmen B.V., combined with increased production and a marked rise in storage requirements as well as exacting service levels with flexible and just-in-time deliveries. In conjunction with the expansion of the warehouse capacity, measures were taken to efficiently control and optimise all intralogistics processes with the implementation of a warehouse management system.

## **Products and services from a single source**

In accordance with its principle "Everything from a single source", Jungheinrich supplied the high-bay pallet racking, the reach trucks and the appropriate fork lift trucks and hand-held terminals for order picking. One other selection criterion was the guaranteed rapid execution of the project. Jungheinrich delivered and implemented the Jungheinrich WMS with its own software firm ISA (Innovative Systemlösungen für die Automation GmbH).

## The requirement

### Voucherless order-picking ensures improved quality, stock reliability and increased efficiency

The Jungheinrich WMS was introduced in conjunction with the commissioning of the 10 m high, 6-aisle, wide-aisle high-bay warehouse to control and optimise the logistical processes. Of particular concern were complete batch traceability and voucherless order picking.

A special feature of this project is the number of different bay heights. The high-bay warehouse comprises 15 different racking types with 17 different racking bay heights. In order to simplify the work at goods inward, height classifications were created.

## The solution

### Jungheinrich WMS optimises internal processes

The Jungheinrich WMS manages stocks, optimises the flow of goods from combined orders to dispatch, manages storage bays, controls the fork lift trucks in a way that ensures routes and orders are optimised and supplies the production lines by automatically triggering replenishment. In addition to the high-bay warehouse, the Jungheinrich WMS also manages a few interior and exterior block storage warehouses.

These house raw materials, semi-finished and finished products. The high bays are served by our reach trucks. During commissioning, the Jungheinrich WMS was initially supplied with item master data from the Enterprise Resource Planning System.

This was followed by the implementation of the goods inward and goods outward interfaces.

## Customer statement

"The commissioning of the Jungheinrich Warehouse Management System, which took place on schedule, as well as the training of our employees, was conducted very professionally and with great patience by Jungheinrich's implementation team. During commissioning, any alterations required by VDL Wientjes Emmen B.V. could immediately be parametrised, tested and implemented on site by the Jungheinrich employees without any problems. And since handover of the project, Jungheinrich has provided us with fast, precise and friendly support when we have any questions or problems.

The Jungheinrich WMS fulfils all the requirements which VDL Wientjes Emmen B.V. can make of a modern WMS."



Keimpe Jan Miedema, Warehouse manager of VDL Wientjes Emmen B.V., Emmen, Netherlands.

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The logo for Jungheinrich, featuring a stylized red arrow pointing upwards and to the right, followed by the word "JUNGHEINRICH" in a bold, black, sans-serif font.