



Henkel Distribution Centre in Perm, Russia.

**Jungheinrich implements
three-aisle drive in
warehouse.**



Project:

Henkel Distribution Centre in Perm, Russia.

Industry:

Laundry & Home Care

Task:

Sustainable distribution centre for finished products through the optimisation of the logistics process

Project duration:

08.2011 – 05.2012

Services:

- New logistics centre with a surface of 12,500 m², 26 meter storage height and 10 storage levels.
- Channel storage system with a capacity of almost 20,000 pallets.
- Jungheinrich WMS (Warehouse Management System).

Most important results:

- 24-hour operation.
- Optimising of the logistics process.
- Shortening of the delivery route by several hundred thousand kilometres.
- Reduction of CO₂ emissions by 366 tonnes per year.

Henkel – a global leader for consumer and industrial businesses

Founded in 1876, Henkel's brands and technologies have made it a global leader in its three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies. Its most well-known brands include Persil, Schwarzkopf and Pritt. Henkel is headquartered in Düsseldorf and currently employs 47,000 people, with 80% employed outside Germany. Henkel is the market leader for the business sectors listed above in Russia, with an annual turnover of €336 million.

Introduction of a needs-based logistics system solution

To optimise the logistics process, a high bay warehouse with space for approx. 20,000 pallets was built in Perm. Following a needs analysis, the decision was made to go for a channel storage system. In order to ensure round-the-clock production and storage, the Jungheinrich WMS was introduced for warehouse management. The WMS manages both manual and automatic activities in the warehouse. With the introduction of the Jungheinrich WMS, the dynamic management of the picker station and a replenishment process adapted as closely as possible to the customer's requirements are both also possible.

The requirement

Difficult weather conditions and a tight timeframe

The main challenges included the difficult weather conditions during the Russian winter while implementing the project. In order to overcome these challenges, the project required precise planning in order to ensure that all deadlines were met.

The solution

Implementation of a channel storage system with in-house WMS

The Henkel factory in Perm is a new distribution centre for finished goods in the Laundry & Home Care sector. The core of the 12,500 m² logistics centre is the channel storage system with a capacity of almost 20,000 pallets, a storage height of 26 metres and 10 storage levels. Warehouse management is done using the Jungheinrich WMS. Over 70 employees work in the logistics centre 24 hours a day, 7 days a week. Optimising the logistics processes has made it possible to shorten delivery routes by several hundred thousand kilometres and reduce CO₂ emissions by 366 tonnes per year.

Customer statement

Jungheinrich offers creative solutions, no matter how difficult the task

"An important selection criterion for us was that our partner be as flexible as possible, in order to meet the demanding requirements of Henkel. This includes meeting the highest standards of safety, and respecting tight project deadlines. In addition, the financial aspect must be kept at an appropriate level," states Alexey Shilo, Head of Logistics for Henkel in Perm. He continues: "Jungheinrich is a strong team, that works under difficult and even extreme conditions. Excellent management, the coordination of the project as a whole, strict compliance with project deadlines and creative solutions for even the most difficult of tasks are characteristic of working with Jungheinrich."



Alexey Shilo, Regional Head of Logistics,
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