

Jungheinrich customer reference

# New logistics centre for Stadler in Berlin.



# Complex warehouse consolidation in Pankow, Berlin.

Stadler, a developer and manufacturer of rail vehicles in Berlin, relies on a comprehensive solution from Jungheinrich for warehouse consolidation and process optimisation. In addition to narrow-aisle and wide-aisle racking, a cantilever system has been implemented to fully meet the complex requirements of the customer. Both the on-site structural conditions and the extensive fire protection regulations required a high degree of expertise and care in the implementation of the semi-automated warehouse solution. Jungheinrich supported the customer from the initial consultation through to the training of the truck operators – an intensive and successful partnership.

## MAXIMISED UTILISATION OF SPACE.

Stadler's new logistics centre features a narrow-aisle application with single-bay racking for 9,600 pallet storage locations, a wide-aisle warehouse with 1,800 storage locations and a cantilever system for the storage of large components. While reach trucks are deployed in the wide-aisle and cantilever area, EKX 516 narrow-aisle trucks and EKS 412 medium/high-level order pickers undertake load handling in the narrow aisle. With limited space of only 10,000 m<sup>2</sup>, the narrow-aisle solution enables ergonomic and efficient order picking at heights of up to 13 metres – and that takes practice.

## WELL TRAINED FOR HEIGHTS.

According to Jungheinrich service engineer Michael Bublys, in 90 percent of cases, operator training is also required when narrow-aisle trucks are sold as part of a logistics solution. Among other tasks, he leads operator training at Stadler and is pleased to be able to overcome employees' fears about handling the trucks and to train them to drive them safely. "Those who work safely work faster," says Bublys. He sees a clear customer benefit in Jungheinrich operator training, as it prevents accidents and guarantees the safe and responsible operation of the trucks.

## OPTIMISED PROCESSES THANKS TO WAREHOUSE NAVIGATION.

In addition to the limited space, the challenge lay in the efficient order picking of a wide variety of parts in different sizes. The customer sought a solution that would simplify the process for employees overall, minimise errors and significantly increase picking capacity. The semi-automated warehouse system with connection to the customer's own ERP sys-

tem achieves exactly this. The order coordinates are transmitted to the trucks in real time via the customer's own hand-held devices. The Jungheinrich warehouse navigation then directs the trucks to their destination via the fastest possible route.

## The highest efficiency at all levels.

## COMPLETE SOLUTION FROM A SINGLE SOURCE.

"Jungheinrich's strength lies in its ability to respond to customer needs as an integrated logistics service provider and to deliver bespoke solutions," says Daniela Lemke, who works in facility management, the construction and projects department, at Stadler and appreciates the professional cooperation and reliable service. Whether it was the technical connection of the logistics solution to the customer's IT system or compliance with complex fire protection regulations in the cantilever area, the Jungheinrich team demonstrated the highest level of expertise in every project phase. Through close dialogue and working hand in hand with the customer, an efficient solution was found that satisfies everyone.

01

Due to stringent fire protection requirements, Jungheinrich supplied custom-built, solid racking with integrated fire-extinguishing lines.

02

The personal protection system in the trucks safeguards against accidents or collisions in all hazardous areas of the warehouse.





## A word with **Mike Müller,** Head of Logistics at Stadler Deutschland GmbH.

**Jungheinrich provided us with an integrated logistics system that optimally meets our complex requirements.**

**Mike Müller**  
Head of Logistics  
at Stadler Deutschland GmbH

### **Why did you choose Jungheinrich for implementation of the new logistics centre?**

Jungheinrich was successful in the tendering process because none of its competitors were able to implement the narrow-aisle solution, which was so valuable to us, in this form. Even with respect to the complex fire protection requirements, Jungheinrich gave us the confidence that all regulations would be complied with in the scope of the concept. Another advantage was that Jungheinrich offered the operator training for reliable operation of the trucks from a single source. Intensive discussions and several workshops to analyse our requirements ultimately led to us implementing our preferred solution with Jungheinrich.

### **Has the new logistics system proven itself in daily operations, and how have your employees coped with the transition?**

Due to our strong company growth combined with limited space, we had to branch out in new directions, shifting from manual order picking to automated solutions. We are very pleased with the Jungheinrich warehouse navigation system. This enables our employees to quickly and reliably navigate to the appropriate storage locations. At the start of the project, none of our employees were capable of operating a narrow-aisle truck. There are now 25 who are, and this number is climbing. Jungheinrich's operator training has played an essential role in enabling our employees to quickly adapt to the new process structures.

### **How was the collaboration, and would you recommend Jungheinrich?**

Looking back, we can definitely recommend Jungheinrich, as the overall package delivered fits perfectly into our daily operations and incorporates all components from a single source. With Jungheinrich, we have an expert partner on our side who is 100 percent reliable. This is important, because in the event of a malfunction, we rely on responsive service. Throughout our partnership, we have found that Jungheinrich Service always responds promptly, which means we don't have to worry about system failures. Jungheinrich stands for speed and reliability – the best foundation for successful cooperation.

## THE PROJECT AT A GLANCE

**STADLER**

Customer:	Stadler Deutschland GmbH
Sector:	Rail vehicle manufacturing
Company size:	2,000 employees
Location:	Berlin, Germany
Warehouse size:	10,000 m <sup>2</sup> of warehouse space

### CHALLENGE

Consolidation of several external warehouses into a central logistics location. Implementation of complex order-picking logistics in a limited space and while taking into consideration comprehensive fire protection regulations.

### JUNGHEINRICH SOLUTION

Semi-automated narrow- and wide-aisle solution, cantilever system, 2 EKX 516 narrow-aisle trucks and 2 EKS 412 medium/high-level order pickers, Jungheinrich warehouse navigation system, logistics interface and operator training.

### RESULTS

Extremely high space utilisation with simultaneous improvement of the picking capacity. Introduction of a semi-automated warehouse solution and training of employees in the operation of narrow-aisle trucks.

### IMPRESSIONS

The complete solution for the customer included racking systems, industrial trucks and fire protection as well as operator training courses including abseiling training.



In narrow aisles with single-bay racking, forklift trucks handle the ergonomic order picking of the various items.

Automated EKS 412 medium/high-level order pickers and EKX 516 narrow-aisle trucks ensure maximum productivity in the new logistics centre.



A combined narrow- and wide-aisle solution with maximum space utilisation was implemented for the diverse product range.



**JUNGHEINRICH**