

Jungheinrich customer reference

Sustainable modernisation at TMG Bitterfeld.



New warehouse building for maximum space utilisation.

As an international provider of a wide range of logistics services, TMG Group in Bitterfeld decided to build a new warehouse in order to increase space capacity and improve the company's long term sustainability. A holistic system solution consisting of mobile racking, various industrial trucks and customised software now increases the daily throughput in a ten-aisle narrow aisle warehouse. Lithium-ion technology and a smart combination of existing and rental trucks guarantee maximum process efficiency.

A PARTNERSHIP THAT HAS GROWN.

What began in 2005 with a drive-in rack and an EFG electric front loader from Jungheinrich has since developed into a small business empire. The TMG Group was founded in 1991 and today consists of more than 500 employees and a fleet of approximately 300 trucks. At two locations, the divisions of bulk goods transport, long-distance transport, civil engineering and logistics are fully equipped. In order to meet increasing customer demand, a future-oriented storage concept was developed that not only impresses in terms of sustainability, but also fulfils the complex requirements for the storage of hazardous goods.

Moving to a sustainable future.

FLEXIBLE SOLUTION WITH MAXIMUM AVAILABILITY.

The new warehouse in Bitterfeld provides TMG Group with 12,000 square metres of storage space for hazardous materials. In order to handle logistics orders with confidence, the existing trucks are being continually supplemented by additional Jungheinrich trucks and attachments. From box clamps for white goods to roll clamps for large paper rolls – depending on the customer order and load carrier, the right equipment is available at short notice, providing the customer with maximum flexibility. In

addition, advanced lithium-ion technology with time- and energy-saving charging processes ensures maximum availability with minimum energy consumption.

SPACE-SAVING STORAGE FOR ANY ITEM.

"The advantage of the narrow aisle warehouse is that it generates a very high throughput, with around 30 pallets being moved per hour," explains Johannes Ehrlich, Managing Director of the TMG Group. In addition to trucks, racking and materials handling equipment, Jungheinrich has also supplied customised Warehouse Management Software (WMS), which reliably manages the storage of hazardous materials in addition to the actual logistics traffic. All in all, the super-compact mobile racking system provides the customer with an optimal degree of space utilisation while at the same time accelerating and ensuring safe processes.

MANY YEARS OF SUCCESSFUL COOPERATION.

As a reliable system provider, Jungheinrich has been supporting the TMG Group since 2005. The partnership is based on mutual trust, a strong spirit of innovation and the courage to use new technologies. "When it comes to future-oriented warehousing, we trust our colleagues at Jungheinrich completely," says the TMG Managing Director. He particularly appreciates the hands-on mentality and the uncompromising will to create the perfect solution. Currently, 99% of the existing warehouse capacity is exhausted. New plans for expansion are already in the pipeline. Jungheinrich is looking forward to implementing these together with TMG in the future.

The package clamp attachment, our enables forklift trucks to easily transport two washing machines at a time.





// The most important requirement for successful long-term cooperation: mutual trust. //

Johannes Ehrlich
Managing Director
TMG Cargo GmbH

**We speak to
Johannes Ehrlich,
Managing Director
TMG Group.**

What were the main reasons for moving and modernising the new warehouse building?

The main goal was to create new warehouse capacity and develop a compact solution for the storage of normal goods and hazardous materials. By 2017, we had reached our spatial limits, which is why we temporarily expanded with a rental property. As part of the modernisation, all storage areas needed to be relocated on company-owned land. In addition to the significant increase in space capacity, the fleet in the forklift area was also expanded and a new WMS system was set up together with Jungheinrich, which meets the complex requirements for the storage of hazardous substances. In addition, the optimal utilisation of space capacity should reduce storage and energy costs in order to increase the TMG Group's sustainability in the long term.

What particular challenges did you face during the restructuring?

We were faced with the complex task of moving a complete narrow aisle warehouse from a rented property to our new warehouse building – and all this during ongoing operations. In some cases, we transported the industrial trucks directly from A to B by road. In addition, our company headquarters is located in the traditional chemical triangle of Halle-Leipzig-Bitterfeld, which is why we also come into contact with chemical goods and hazardous materials on a daily basis. This particular aspect also had to be taken into account when implementing the new warehouse concept. An intelligently adapted Warehouse Management System processes all data relevant to the hazardous substances and develops combined storage restrictions, as well as storage and retrieval logics. This is a considerable benefit for us.

How do you benefit from the customised system solution that you developed together with Jungheinrich?

In terms of speed and efficiency, our warehouse processes have improved enormously. Thanks to practical booster charging, we can switch from our previous two-shift operation to an economical three-shift operation with the lithium-ion trucks. The Jungheinrich trucks manage this with virtually no failures or malfunctions. Our employees can make minor adjustments to the WMS themselves thanks to its customer-friendly design. And for any other situations, the Jungheinrich After Sales Service is always on hand. The switch to electric drives has had a very positive effect on our environmental footprint. We want to continue to improve this and are more than happy to call on Jungheinrich's expertise to help us achieve this.

THE PROJECT AT A GLANCE



Customer:	TMG Group
Sector:	Logistics
Company size:	500 employees
Location:	Bitterfeld, Germany
Warehouse size:	12,000 m ² warehouse space

CHALLENGE

Relocating a complete existing narrow aisle warehouse from a rented property to a new warehouse building, as well as modernising the existing warehouse logistics including expanding the fleet and renewing the WMS system.

JUNGHEINRICH SOLUTION

Narrow aisle warehouse and mobile racking system with over 10,000 pallet storage locations for normal goods and hazardous materials. Various standard trucks and system equipment, attachments for forklift trucks, as well as Jungheinrich WMS with terminal scanners.

RESULTS

Greater space capacity, faster processes and increased sustainability through the use of trucks with lithium-ion technology and a combination of existing trucks and rental trucks.

IMPRESSIONS

The right equipment for every application: the best way to transport large paper rolls is with the roller clamp attachment from Jungheinrich.



Perfect interaction between EKX narrow aisle trucks and transport trucks ensures optimum space utilisation in the high-bay warehouse.



Agile and economical: the ETV 216i reach truck with lithium-ion technology is ideally suited for efficient storing and removal at lift heights of up to 13 metres.

