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Jungheinrich automates warehouse logistics for bilstein group®

- **Automated goods transport thanks to four autonomous mobile robots**
- **Pioneering reference project for the Jungheinrich EAE 212a**
- **Commissioning planned for the fourth quarter of 2025**

Jungheinrich has received an order from the bilstein group® for a pilot project to introduce mobile robots at its site in Gelsenkirchen, Germany. With the EAE 212a, long ground-to-ground transports within the logistics centre will be automated.

Hamburg – Jungheinrich and the bilstein group® have worked closely together on a solution concept to further develop automation in the bilstein group®'s logistics centre. The focus is on the integration of the autonomous mobile robots (AMR) EAE 212a.

“It is the first use of autonomous mobile robots in the bilstein group® and, in addition to our picking robots, another important step towards the automation of processes”, says Phillipp Becker, site manager, bilstein group® Gelsenkirchen. “In particular, efficiency gains and the possibility of using our well-trained forklift truck drivers in more complex transport tasks have motivated us to get involved in this topic.”

Alexander Korell, Sales mobile robots, Jungheinrich AG, adds: “The AMR exhibited at LogiMAT 2024 impressed the bilstein group®, so that planning for the implementation of an EAE 212a fleet could begin. The subsequent proof-of-concept project was successfully completed in September 2024. Commissioning at the Gelsenkirchen site is scheduled for the fourth quarter of 2025.”

In the first phase, the EAE 212a will transport pallets over a distance of 220 metres to the staging areas of the goods-out section. The Logistic Interface, customised for the process

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by Jungheinrich, manages the transport orders and serves as the interface to the customer's Warehouse Management System (WMS). The mobile robot system receives clear transport orders from the WMS, which are processed according to the principle of minimising empty runs. The allocation of pick-up and drop-off points is managed by the WMS.

The EAE 212a is designed for the automation of low-lift operations and is therefore perfectly suited for the supply and disposal of incoming and outgoing goods lanes. With its patented chassis design by Jungheinrich, it is only 790 mm narrower than a euro pallet. This enables manoeuvrable and agile ground-to-ground transport at speeds of up to 6 km/h. The vehicle is capable of transporting loads weighing up to 1.2 tonnes. The EAE 212a navigates entirely without artificial landmarks. Complex preparation measures in the warehouse are therefore not necessary.

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About Jungheinrich:

As one of the world's leading providers of material handling solutions, Jungheinrich has been advancing the development of innovative and sustainable products and solutions for material flows for more than 70 years. As a pioneer in the sector, the family-owned listed business is committed to creating the warehouse of the future. In the 2024 financial year, Jungheinrich and its workforce of around 21,000 employees generated revenue of €5.4 billion. The global network comprises 12 production plants and service and sales companies in 42 countries. The share is listed on the MDAX.