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## **Jungheinrich takes a stake in Navflex and develops an autonomous solution for truck loading and unloading**

- **AI-based software for navigation and process control at the loading dock**
- **Mobile solution for tight, variable environments without additional infrastructure**
- **Field tests under real operating conditions with major customers launched**

Hamburg – Jungheinrich AG is taking a stake in Navflex Inc., a technology company specializing in Physical AI and the automation of truck loading and unloading. The investment strengthens the partnership between the two companies, with the goal of bringing an autonomous solution for one of the last non-automated core processes in intralogistics to market. Development is clearly focused on the requirements of the European and North American markets.

Navflex, a technology company established in Germany and the United States, focuses on automating truck loading and unloading – one of the most technically demanding use cases in intralogistics. Different trailer geometries, changing load carriers, and confined space conditions place high demands on technology, safety, and reliability. At the same time, demand for automation at the loading dock is particularly high, as labor-intensive processes meet a shortage of skilled workers and increasing pressure for efficiency.

“Loading and unloading trucks is a key bottleneck in the material flow for many of our customers,” says Dr. Tobias Harzer, Chief Automation Officer of Jungheinrich AG. “Together with Navflex, we are developing a solution that specifically addresses this process and reliably automates it. In addition to robustness, compactness, and

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maneuverability at the loading dock, we place particular emphasis on safety – especially in environments where humans and machines operate side by side.”

As part of the collaboration, Jungheinrich combines its expertise in developing industrial trucks and autonomous mobile robots, its broad industry know-how, as well as its systems integration and service capabilities with Navflex’s software and robotics expertise. The joint solution is based on an industrialized vehicle platform from Jungheinrich that is being consistently further developed for automated operation at the loading dock. The result is an autonomous mobile solution tailored to the requirements of variable dock environments, which can be integrated into existing logistics processes without additional infrastructure.

Navflex contributes specialized software for autonomous perception, navigation, safety, and process logic in the truck environment. “We deliberately chose to tackle a problem that was long considered hardly automatable,” says Chuck Stovall, CEO of Navflex. “To enter the European market, we need a partner that can deliver industrial execution, scaling, and global service. This is exactly where Navflex and Jungheinrich complement each other. In automation and AI, our partnership is truly 1 plus 1 equals 3.”

Both partners are working closely to integrate hardware and software into a robust end-to-end solution that meets the requirements of day-to-day operations. The joint solution is currently undergoing extensive field tests with major customers under real operating conditions.

By taking a stake in Navflex, Jungheinrich underscores its ambition to further advance end-to-end automated material flows and to unlock one of the remaining interfaces at the loading dock that has so far been difficult to automate.

### **About Navflex**

Navflex is a Physical AI company transforming brownfield automation through autonomous mobile robots that think, drive and work like humans. Founded in Germany in 2021 and headquartered in Broomfield, Colorado, with operations in Munich, Germany, Navflex develops intelligent AI robotic solutions for heavy machinery and is currently solving some of logistics' most challenging and labor-intensive workflows, including trailer loading, unloading, and warehouse pallet transport. The company's technology combines advanced perception, AI-driven decision-making, safety-first autonomy and a fleet that learns together



to operate in dynamic, unstructured environments without remote operators. With deployments spanning North America and Europe, Navflex is enabling the next generation of safe, scalable, and intelligent material handling automation. Navflex partners with leading global customers and industrial OEMs to accelerate the adoption of AMR technology and autonomous pallet movement technologies across warehouses, distribution centers, and manufacturing operations worldwide.

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**About Jungheinrich:**

As a globally leading provider in material handling, Jungheinrich has been advancing the development of innovative and sustainable products and solutions for material flows for more than 70 years. The listed family-owned business is committed to being a global partner offering value-adding solutions for material flows and thus creating the warehouse of the future. In 2025, Jungheinrich and its workforce of over 21,000 employees generated revenue of €5.5 billion. The Jungheinrich global network covers twelve production plants and its own direct sales and service companies in over 40 countries. The share is listed on the SDAX.