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**Presse Information.**

Press Release.

Linde MH software solution makes it easier to automate intralogistics operations

**Easy access to automation**

**Aschaffenburg, December 9, 2024 – The “MATIC:move” software solution from Linde Material Handling (MH) enables companies to automate their intralogistics operations in a faster and more cost-effective manner by significantly simplifying the implementation and control of AGVs. The software is now also being used in the “Linde L-MATIC core”, a fully automated pallet stacker scheduled to be launched in February 2025. The truck also incorporates an integrated lithium-ion battery and, due to its compact design, is well suited for operation in confined spaces within warehouses and production environments.**

“There is considerable interest in automation solutions. Many decision-makers in companies are facing a number of challenges, including shorter delivery times in e-commerce, mounting pressure on prices due to high energy costs, increasingly stringent sustainability and safety standards, and, not least, a shortage of skilled personnel. At the same time, there are material flow processes almost everywhere that are very well suited for automation,” states Pascal Kuster, Sales Trainer Automated Guided Vehicles at Linde MH. “On the other hand, high costs and personnel requirements cause hesitation and reluctance,” he elaborates. “Linde MH addresses this dilemma with the ‘MATIC:move’ software, which enables small and medium-sized businesses to enhance efficiency in goods handling with automated industrial trucks.”

**Simple implementation and planning**

The primary advantage of the “MATIC:move” software is that it enables the straightforward planning and accelerated implementation of automated material flow processes. “This goes as far as allowing a simple route transport between two points to be set up in a single day,” says Pascal Kuster. Maintenance or service work can be performed by trained service technicians, eliminating the need for dedicated robotics specialists. The truck is navigated through the area by means of reflectors that are placed at key points in the infrastructure, such as corners, pick-up points and storage locations, as well as charging and service points. To populate the software with data, the automated industrial truck traverses the route and generates a digital map of the warehouse environment. Subsequently, the pick-up and drop-off points for the truck and the routes can then be planned on the computer screen using drag and drop.

The software is designed for smaller fleets of up to five industrial trucks of the same type that use standardized load carriers such as Euro pallets or pallet cages. A particular focus was placed on horizontal transport in warehousing, production, receiving and shipping areas. Additionally, the software can also be utilized to implement mixed traffic involving manually operated industrial trucks and pedestrians. The solution offers a significantly lower initial investment compared to other systems. “In many cases, the return on investment period is approximately two years,” says Jan-Niklas Freund, Manager Automation Sales Steering at Linde MH.

**New fully automated pallet stacker**

The “MATIC:move” software is already being used in the Linde L-MATIC HD automated pallet stacker. The automated and manually operated truck has a load capacity of 1.6 tons and a lift height of 3.8 meters and is suitable for use in wide-aisle warehouses or for the supply of narrow-aisle applications. The next truck to be equipped with the new software solution – the fully automated “Linde L-MATIC core” – will be launched on the market in the near future. This compact, game-changing model with a load capacity of 1.2 tons and a lift height of 1.78 meters features an integrated lithium-ion battery and the elimination of the tiller. The vehicle is capable of navigating aisles with a width of less than 2.5 meters.

To ensure operator safety, the “Linde L-MATIC core” is furnished with a 360° safety zone as standard, along with an emergency switch that can be used to halt the truck from multiple sides with a single button press. Optional safety features, such as the Linde BlueSpot or the Linde Red Warning Lines, can be added to the truck as required. The battery can be charged manually or automatically via an induction charging system.

**Gradual expansion**

Should the project involve a higher degree of complexity or plans for an automation expansion, customers can seamlessly connect to MATIC:move. The comprehensive range of industrial trucks and the “MATIC:move+” software, which can be used to automate fleets of up to 150 vehicles, are available to meet such needs. The advanced software is compatible with a range of business systems, including warehouse management, warehouse control and enterprise resource planning systems, via established interfaces. Its capabilities range from visualizing the current status of the vehicles, including their availability and utilization, to battery management.

“The software’s scalability allows us to provide the optimal solution to each customer – whether they are implementing a brownfield application in an existing facility that has grown over time or a new greenfield development,” adds Pascal Kuster. Moreover, companies can begin with a minimal investment and gradually expand their automation capabilities.

**Linde Material Handling GmbH**Linde Material Handling GmbH, a company of the KION Group, is a leading global manufacturer of manual and automated forklift and warehouse trucks as well as a provider of services and solutions for intralogistics. With a sales and service network in more than 100 countries, the company is well-represented in all major regions of the world.

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**Image and caption:**



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**Linde Material Handling's MATIC:move software solution makes it easy to plan, implement, service and maintain automation solutions.**

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