

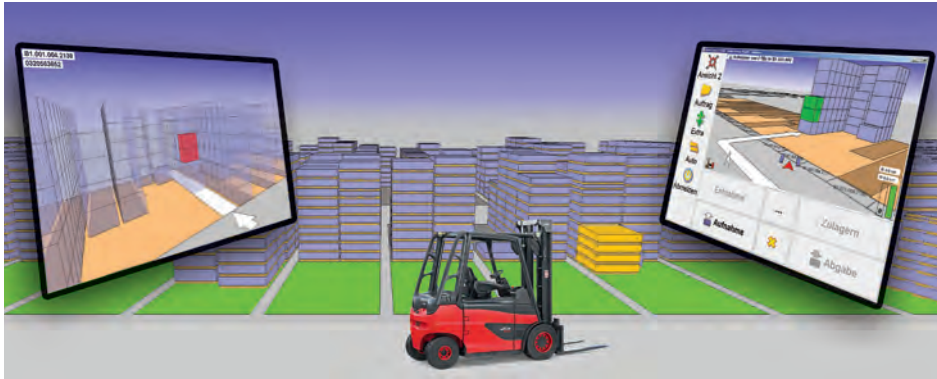


# THE SMART WAREHOUSE

## Linde Warehouse Navigator

powered by RELAG-System®

The Linde Warehouse Navigator is a modular warehouse management system, easily adaptable to your individual requirements and operational processes. Therefore, it is a perfect entry into digital warehouse management. It guarantees a continuous and reliable tracking of goods in real time as an ideal basis for coordinating your entire forklift fleet. The system shows the current availability of all storage locations in your warehouse using 3D visualization. The use of mobile devices simplifies the daily warehouse business.



The Linde Warehouse Navigator visualizes the entire warehouse in 3D.

## EVERYTHING UNDER CONTROL: THE POWER OF MODULES

### Warehouse Management System (WMS)

The Linde Warehouse Navigator is based on a powerful warehouse management system, supporting you in the storage and retrieval of goods as well as the order and inventory management across any warehouse. It is aware of the current location of each handling unit and visualizes it in real time on a 3D-map of your warehouse. The continuous inventory management reduces the work required for system-supported stocktaking.

#### Features\*

##### Process Management

- Storage and retrieval of goods
- Order and returns management
- Production supply and disposal
- Empties management
- Storage strategies (ABC/XYZ management etc.)
- Retrieval strategies (FIFO/LIFO/batch etc.)
- Mobile devices (tablets, scanners etc.)
- Label printing

##### Monitoring/Control tower

- KPI-Dashboard and reports
- Alarm notification

##### Warehouse Structure

- Storage area management (rack-, block-, bulk-, cold-storage etc.)
- 3D visualization
- Warehouse reorganization

##### Inventory Management

- Article-based master data
- Handling unit type management
- QA management, quarantine area
- Shortage management
- Stock taking (periodic, continuous etc.)

### Order Picking System (OPS)

With the order picking module, you can manage picking orders and permanently track the progress. The system merges smaller orders with other positions for Multi-Order-Picking. Larger orders can be split into several partial orders and consolidated at the end. By using mobile devices, all orders can be processed paperless and on time.

#### Features\*

- Management of picking orders
- Process-oriented picking strategies
- Customizable picking logic
- Order picking using mobile devices
- Order split into several partial orders
- Multi-Order-Picking
- Generation of new shipping pallets
- Consolidation of picking orders

### Forklift Guiding System (FGS)

The forklift guiding module is fully integrated into the Linde Warehouse Navigators' other modules. It is aware of every route inside the warehouse and calculates the optimal route for each forklift. The definition of forklift areas, pre-defined partial routes and the automatic allocation of transport orders help to minimize empty runs and optimize the material flow.

#### Features\*

- Order split into separate areas
- Full workflow integration with WMS- and order picking modules
- Definition of areas of application and partial routes
- Definition of routes with active and inactive stations
- Adjustable strategy for allocating transport orders
- Forklift calling system (time-controlled/periodical transport orders)
- Manual or automatic selection of transport orders
- Optional forklift localization and tracking



The forklift guiding system navigates the driver on the fastest way to the destination.

\*There is a variety of further features at your disposal.

## THE ADVANTAGES AT A GLANCE

- Modular structure for an optimal scope of use
- Easy to learn and handle
- Innovative 3D visualization of the entire warehouse
- Reliable tracking of goods using real-time localization
- Efficient management of tasks for storage and transport
- Dashboard for KPI monitoring
- Perfect entry into digital warehouse management
- Scalability by level of digitalization and automation



Dashboard: KPIs at a glance.

## GET CONNECTED WITH THE SOFTWARE: THE USER INTERFACE

**Custom Dialogs:** By fading certain control elements in or out you can customize the user interface to your requirements. Certain dialogs can be saved as favorites and sorted in tabs. The system is currently available in 18 languages.

**The Warehouse in 3D:** The Linde Warehouse Navigator visualizes the entire warehouse in the form of a 3D-view, allowing you to track and select any handling unit you choose. For this the system creates a digital twin of your warehouse, adaptable to your individual requirements.

**KPIs in a Nutshell:** Via Dashboard of the user interface you have easy access to all the important KPIs of your warehouse in real-time.

## ENDLESS POSSIBILITIES: EXTENDED FEATURES

Through a variety of custom add-ons, you can extend the functionality of the Linde Warehouse Navigator to fit your desired level of digitalization. Among others you can connect ERP-systems, automated guided vehicles, storage and conveyor technology. Other extended features enable hazardous goods management, the calling of forklifts, real-time tracking of forklifts as well as load units and much more.

## YOU HAVE THE CHOICE: BUY OR RENT

Any module of the Linde Warehouse Navigator can either be purchased as a permanent license or as a Software-as-a-Service (SaaS) for a monthly fee. Every SaaS-Solution will be hosted as a cloud service on a server based in Germany, so your data is secure at any time.

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