



Factsheet

Automated High-Bay Warehouse

Maximum flexibility.
Optimal use of available space.

Automated high-bay warehouse

As a general contractor and manufacturer of automated high-bay warehouse systems for more than 50 years, Kardex Mlog has been a reliable partner for many global market leaders and medium-sized companies in diverse industries. Together with our customers, we make use of standardized components to develop customized system solutions.

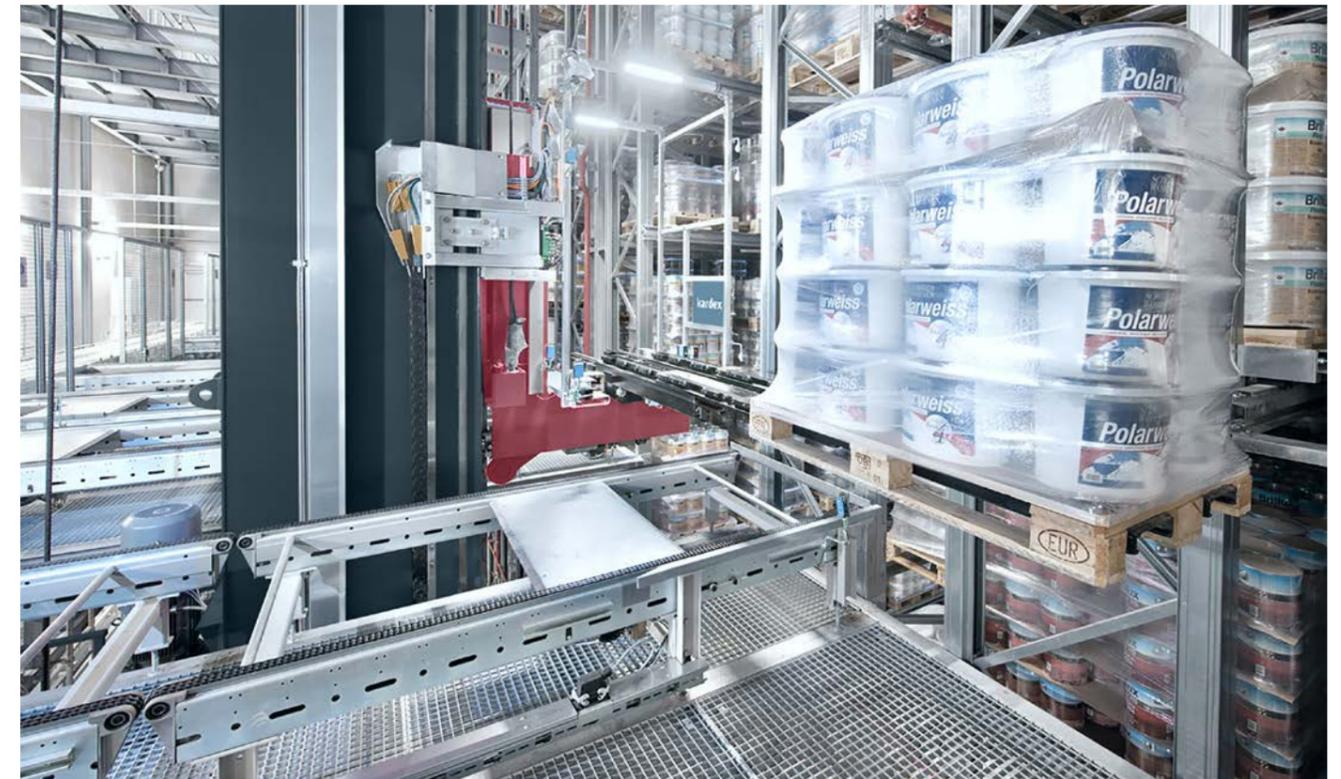
The optimal performance and efficiency of a warehouse depends primarily on having the right storage solution. The design and realization of integrated automation solutions for material flow and storage processes are key components of the core business. To date, Kardex Mlog has installed more than 1,000 high-bay warehouse systems with construction heights of up to 50 meters for load units of diverse formats and weight classes – from classic pallets through wire mesh containers and customized load carriers.

As a reliable partner, Kardex Mlog provides advisory support to its customers during each phase of the project. Our system solutions can be flexibly extended and modified. This guarantees the long-term security of your investment.

Flexible
solution
con-
fig-
uration

High
process
safety

Long-term
security of
investment



Proven application cases

Ensuring product stock

Automated high-bay warehouses enable compact storage for large volumes within a minimum floor space. Raw materials, semifinished products and trade goods are held in intermediate storage and are made available automatically when required. This means that, even in the event of supply shortages such as delays in global supply chains, production capacity can be maintained, and inventory levels secured.

Transparency & inventory control

Transparent processes and permanent inventory control are essential in the food sector and also in the pharmaceutical industry. In other industries too, unbroken, end-to-end and reliable traceability of individual production batches is required. Automated storage and software solutions are an important component of the solution.

Optimized distribution logistics

Guaranteeing supply is a key success factor for companies in trade and industry. Ready-to-ship goods must be staged quickly and accurately. Logistics costs, incorrect deliveries and staging and loading floor areas must be kept to a minimum. Flexible material flow solutions and efficient processes are critical for success.

Key components

As a general contractor for high-bay warehouses, Kardex Mlog provides all services and components from a single source. Our core competencies lead you from planning and project management to processing and implementation, right up to the plant's system adjustments during ongoing operations.

The movable elements that are important for operating a high-bay warehouse originate from our in house design and manufacturing teams.



Kardex Control Center

- Warehouse management software compatible with standard IT systems
- Storage strategy, material flow control, plant visualization, intuitive dashboard & report evaluations



Conveying technology

- Handling and transporting diverse load units
- Tried and tested module solutions for goods receipt, sequencing, picking, staging for goods issue and other areas



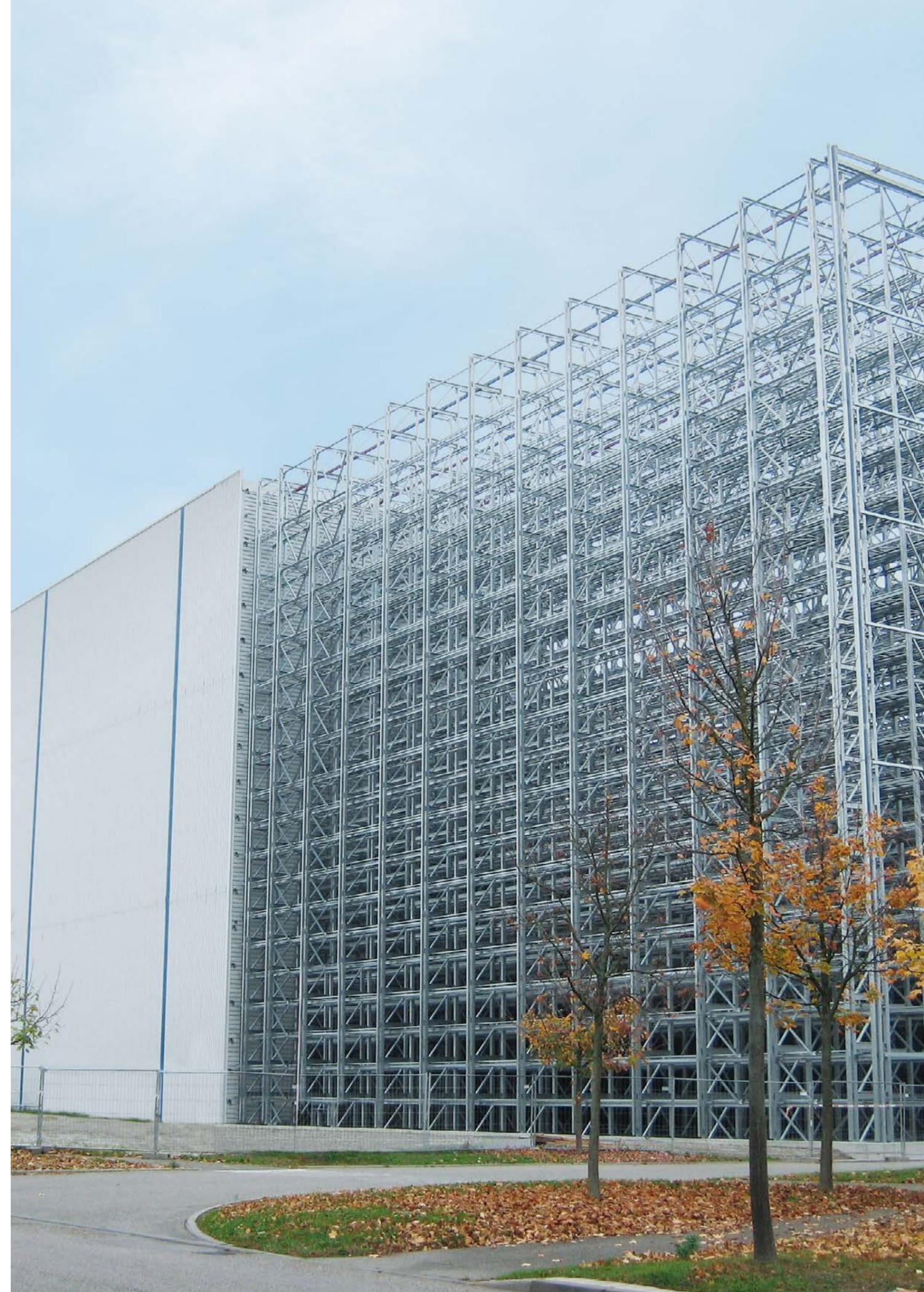
Stacker cranes

- Construction heights up to 45 meters, 1 or 2 load-handling devices
- Single or multiple-deep storage, innovative solutions for diverse load units and compact racking designs



Racking systems

- Self-supporting silo design or built-in racking in the building
- Ceiling & wall paneling for silo design



Supplementary functions & services

Intralogistics solutions from Kardex Mlog are developed as integrated solutions for plant-internal material flows. Extensive process chains or sections of these chains can be mapped. Depending on the application case, the core technologies are supplemented with additional applications.



Internal transport

- Electric monorail systems, automated guided vehicles
- Applications depending on the transport distance and service and on the flexibility requirements with regard to route and transfer points



Handling & picking

- Efficient picking strategies, ergonomic workstations
- Appropriate automation from palletizing of standardized cases to picking of single piece items by robotic solutions



Life Cycle Service

- Extensive portfolio for ensuring plant availability
- Refurbishment or reorganization of high-bay warehouse systems during ongoing operations



High-bay warehouses from Kardex Mlog

Our goal is to provide each customer with the right solution for their needs. For this reason, it is essential that we clearly understand the task and the customer-specific challenges in each case. When developing the solution, we rely on a portfolio of established system solutions, which we can supplement with customized special adaptations. In the relationship with our customers, delivery reliability and transparency are to the fore. This makes us a reliable partner for our customers in all intralogistics topics.

The requirements placed on logistics plants can change over time. Extensive and cross-industry process knowledge and the constant development of new technologies enable us to provide the best possible support during development phases. We combine diverse technologies and we integrate innovative, complete intralogistics solutions. With our Life Cycle Service, we ensure your plant availability and the future viability of your plant.

Smart Intralogistics Solutions

Kardex offers an A-Z product portfolio targeting the niche needs of various industries. Discover innovative offers ranging from everyday handling of bins and pallets or storage in controlled environments to fully-integrated automated storage solutions and material handling systems. From day one, the Life Cycle Service team works hand-in-hand to support your project implementation, maintenance and future plans.

