AIRPORT LOGISTIC SOLUTIONS

AIR CARGO TERMINALS

LÖDIGE INDUSTRIES

TECHNOLOGY IN MOTION

AIRPORT LOGISTIC SOLUTIONS

FROM THE MARKET LEADER

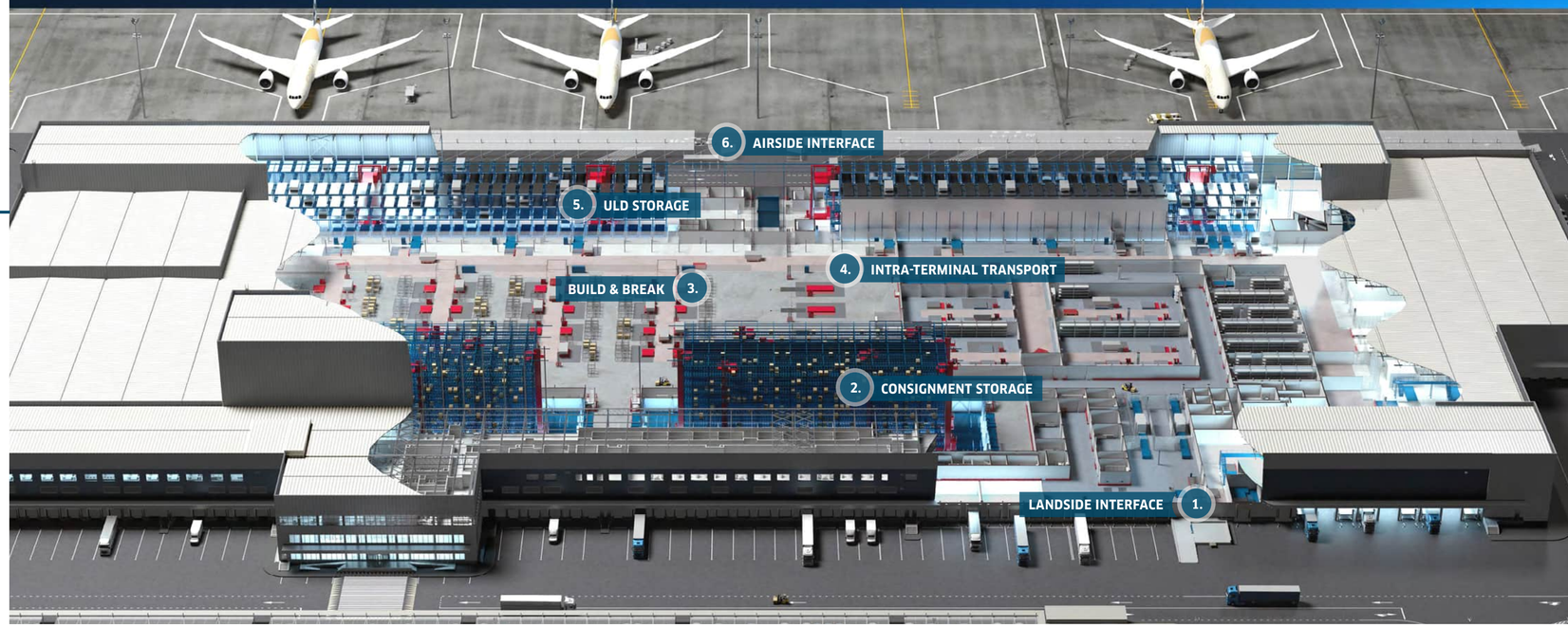
Tailored handling systems for cargo, catering, courier and baggage operations

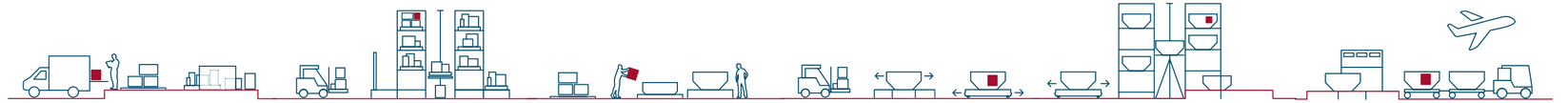
The quality, speed and reliability of your handling systems define the success of your airport operations. With more than 50 years of experience and around 29 million tonnes of air freight handled annually by our equipment worldwide, Lödige Industries sets the global benchmark for performance and reliability.

Our international reach and local presence in all major air freight markets enable us to support customers from concept definition to full system realisation. Whether you require individual components or complete turnkey systems, we provide tailored solutions that combine engineering excellence, intelligent software and proven automation technology.

From planning and system design to long-term service and modernisation, our handling solutions deliver the speed, accuracy and reliability needed to keep your operations ahead of the competition – today and in the future.

- **Consulting** · Expert guidance to identify the best solution for your cargo handling needs.
- **Concept Design** · Tailor-made concepts aligned with your operational requirements.
- **System Planning** · Structured planning ensuring seamless integration of all components.
- **Simulation** · Virtual testing to validate system efficiency and performance.
- **Detailed Planning** · Comprehensive blueprints for smooth project execution.
- **Project Management** · End-to-end coordination for on-time and on-budget delivery.
- **Procurement** · Reliable sourcing of high-quality components worldwide.
- **Manufacturing** · Inhouse production for proven quality and precision.
- **Installation** · Professional on-site assembly with minimal disruption.
- **Test runs** · Thorough testing to ensure optimal functionality.
- **Commissioning** · Reliable handover with all systems ready for operation.
- **Training** · Hands-on instruction to empower your team.
- **Maintenance** · Proactive service ensuring long-term reliability.
- **Operations** · Experienced support to keep your terminal running smoothly.
- **Short idle times** · Solutions designed to minimise downtime and maximise throughput.





1. LANDSIDE INTERFACE
2. CONSIGNMENT STORAGE
3. BUILD & BREAK
4. INTRA-TERMINAL TRANSPORT
5. ULD STORAGE
6. AIRSIDE INTERFACE

END-TO-END CARGO LOGISTIC SYSTEMS

OUR SOLUTIONS AT A GLANCE

The success of airport logistics depends on speed, reliability, and seamless integration. As the world market leader in air cargo terminals, Lödige sets new standards for efficient handling of any volume of cargo. Our systems are designed to reduce cycle times, maximise throughput, and ensure the highest levels of availability. What makes us different: we accompany our customers through every phase of their project – from initial consulting, concept design, and system planning to installation, training, and ongoing operations. With this full-service approach, we ensure that each terminal is not only built for today's requirements but also ready for the challenges of tomorrow.

By combining proven technology, innovative processes, and intelligent workflows, Lödige delivers tailor-made solutions that guarantee secure processes, efficient space utilisation, and long-term reliability. With a global network and decades of expertise, we provide peace of mind and operational excellence – 24/7, 365 days a year.

ONE PARTNER. ONE SYSTEM.

ONE FLOW.

Integrated handling equipment for seamless cargo processes – from landside to airside.

Lödige Industries provides the complete range of air cargo equipment required to move, store and handle ULDs and consignments efficiently within a terminal. From roller decks and workstations to hoists, stacker cranes or elevating transfer vehicles and automated transport systems, all components are engineered for reliability, safety and seamless process integration.

As a one-stop shop, Lödige combines inhouse planning, design, manufacturing, installation and service. This ensures consistent quality, smooth interfaces and reliable performance across all process areas – fully integrated with digital control and monitoring through the inhouse-developed Lödige Cargo Professional Suite, if desired.

Whether for manual zones, semi-automated material flow or fully automated cargo systems, Lödige delivers process-oriented solutions that grow with your terminal.

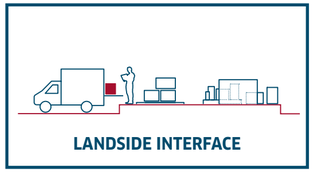
Read more

Engineering excellence

Lödige cargo handling equipment is designed for continuous use in demanding air cargo environments. Our systems combine mechanical strength with precise control and advanced safety features – proven in daily operation across global hubs.

At the same time, each component is engineered with sustainability in mind: energy-efficient drives, long service life and recyclable materials minimise environmental impact and operating costs throughout the equipment lifecycle.

- ☑ Proven Engineering: Decades of expertise in air cargo handling
- ☑ Safe by Design: IATA-compliant and ergonomically designed
- ☑ Flexible Integration: Modular structure for all layouts
- ☑ Future-Proof: Automation and IT-ready
- ☑ Designed for sustainable efficiency: high throughput, low energy use, and durable materials for long-term performance



The landside interface process

At the landside interface, trucks deliver export freight to the terminal. Euro pallets, ULDs and loose cargo are unloaded, verified and routed to storage or directly to build-up. For import freight, shipments processed in the build & break area are prepared for truck loading. They can be dispatched as pallets for local distribution or continue as complete ULDs via Road Feeder Services (RFS) to other airports. Handling methods vary by cargo type – for example, forklifts are used for pallets and truck docks for ULDs.

At the landside interface, we bring together our four core competencies: products, software, system planning and service. Combined, they form the foundation for smooth truck handling, fast acceptance and delivery processes, and scalable performance to meet growing cargo volumes.

Read more about this process step

Truck Docks connect lorries and terminals. With scissor lifts and roller decks, they make ULD loading and unloading ergonomic, fast and reliable.

Flexloader lifts and transfers ULDs flexibly between levels. A compact all-in-one device that boosts handling efficiency in tight spaces.

Automated Guided Vehicles (AGV) move ULDs flexibly across the terminal. Scalable, 24/7 available and safe – ideal for efficient cargo flows.

Powered Roller Decks are motor-driven modules for transporting and storing ULDs in cargo terminals. Used in racking systems, truck docks, airside, and build & break areas, they ensure precise positioning and controlled movement of 5 ft, 10 ft, or 15 ft ULDs. Integrated brakes hold ULDs safely in place. Optional features such as built-in scales, pop-up balls for 90° transfers, and fork tine pockets enhance system flexibility.

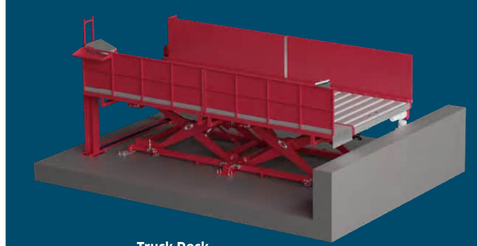
Cargo Pallet Mover transports ULDs placed on ULD Support Pallets with precision. Battery-powered, agile and precise – perfect for peak handling.

Turntable Right Angle Decks for ULDs are motorised rotating platforms used to redirect Unit Load Devices (ULDs) at angles of 90° or 180°. Compatible with 5 ft, 10 ft, 15 ft and 20 ft ULDs, these units support safe and reliable directional changes within cargo terminals – particularly where layout constraints require rerouting. Turntables operate at the standard system height of 508 mm, require no pit, and interface seamlessly with adjacent roller decks.

Right-Angle Deck Change ULD direction with full automation. Lödige Right-Angle Decks enable smooth 90° transfers using driven rollers and lateral wheels.

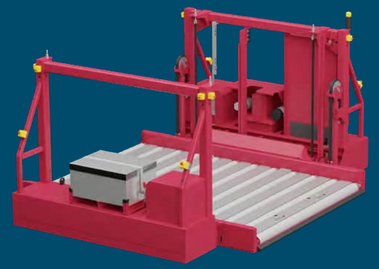
Inhouse Pallet (IHP) Built from durable injection-moulded plastic, the Inhouse Pallet (IHP) enables reliable handling and secure stacking of consignments. Available in multiple sizes, each pallet is equipped with stacking pins, lashing grooves and barcodes on all four sides – ensuring accurate identification, safe storage and compatibility with both automated and manual handling equipment.

Integrated Truck Docks with weighing and identification system ...



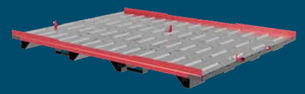
Truck Dock

... with adjacent fully automated equipment



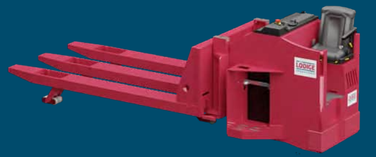
Flexloader

AGV



ULD Support Pallets

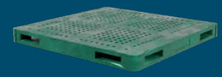
Powered Roller Deck



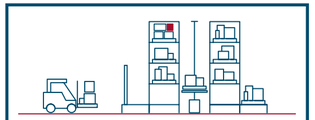
Cargo Pallet Mover

Turntable Right Angle Deck

Right-Angle Deck



Inhouse Pallet (IHP)



CONSIGNMENT STORAGE

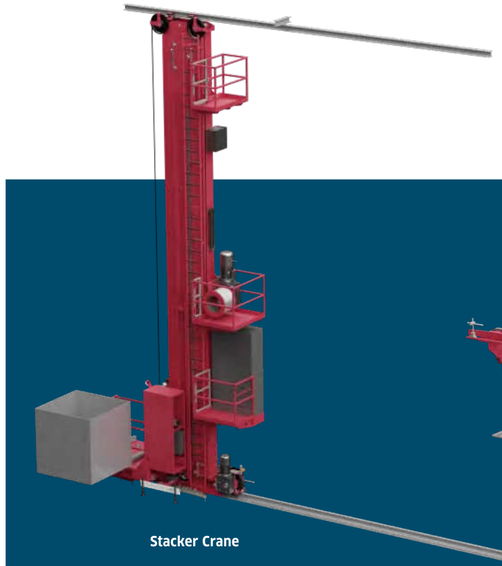
The Consignment Storage Process

After acceptance at the landside, shipments are placed on X-ray compatible inhouse pallets and registered in the warehouse management system. Depending on the setup, cargo is stored in heavy-duty racks for manual handling or in automated ASRS with stacker cranes, conveyors and storage decks for higher throughput. Consignments are retrieved on demand for build-up, customs clearance or onward transport.

In Consignment Storages, we combine four core strengths: **products, software, system planning** and **service**. Together, they ensure secure, compliant and scalable handling – from manual floor storage to advanced ASRS solutions.

Read more about this process step

> **“We don’t just design and build systems – we understand how they work in real operations and what makes the difference in efficiency and reliability.”**
>
> Björn Ussat,
> Director Airport Logistic Solutions
> at Lödige Industries



Stacker Crane

The Lödige **Stacker Crane** is a main element of an automated storage and retrieval system (ASRS) designed for consignment storage in air cargo terminals. It manages the fully automated transport, storage, and retrieval of inhouse pallets (IHP) within multi-level racking systems. With horizontal speeds up to 150 m/min and vertical lifting up to 30 m/min, it handles loads up to 1,300 kg with precision. Ideal for dynamic consignment storage, it minimises manual handling, maximises storage density, and supports seamless cargo flow.

Chain Conveyor

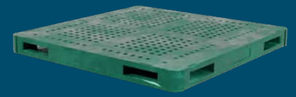
Lödige **Chain Conveyors** offer a modular and scalable solution for transporting inhouse pallets (IHP) within Automated Storage and Retrieval Systems (ASRS) at air cargo terminals. Designed specifically to handle repetitive internal transport along predefined routes, these conveyors seamlessly integrate with stacker cranes, hoists, and racking systems. Their robust construction and chain-driven design ensure efficient and gentle handling of your cargo, while easy customisation in length, height, and layout supports flexible adaptation to evolving operational requirements.

Roller Conveyor

Lödige **Roller Conveyors** are a key component of automated pallet handling in air cargo terminals. Designed for horizontal transport of inhouse pallets (IHP), they link ASRS, stacker cranes, racking, and manual transfer points. Their chain-driven rollers and modular design support multiple pallet sizes, withstand harsh environments, and ensure efficient integration into automated cargo handling processes.

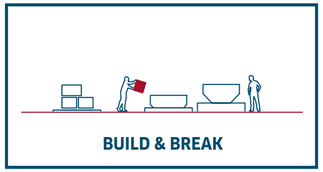
Right Angle Conveyor

Lödige **Right Angle Conveyors** allow a 90-degree change of direction for inhouse pallets (IHP) within air cargo consignment storage and ASRS. Designed for use alongside roller and chain conveyors, they enable highly efficient pallet routing. The system supports operating temperatures from -30 °C to +60 °C, and integrates friction drives for storage decks.



Inhouse Pallet (IHP)

Inhouse Pallet (IHP) Built from durable injection-moulded plastic, the Inhouse Pallet (IHP) enables reliable handling and secure stacking of consignments. Available in multiple sizes, each pallet is equipped with stacking pins, lashing grooves and barcodes on all four sides – ensuring accurate identification, safe storage and compatibility with both automated and manual handling equipment.



BUILD & BREAK

Read more about this process step

Efficient ULD Handling at the Core of Your Terminal

The build & break process is at the heart of every air cargo terminal. Here, shipments are consolidated into ULDs for export or broken down for import and onward distribution. Reliable, well-structured processes ensure that cargo moves on time, in full compliance and with minimal errors. Whether manual or fully automated, Lödige solutions enable safe handling, optimal staff utilisation, and full process transparency.

Typical Build & Break Workflow

Export shipments are built up at workstations with weighing and registration where required, while import ULDs are broken down based on AWB data and handling rules. Each step can be manual, semi-automated or supported by software, ensuring safe and traceable flows.

In the Build & Break process, we combine four core strengths: products, software, system planning and service. Together, they ensure safe, efficient and IATA-compliant handling – from ergonomic manual workstations to fully automated cargo flows.

The Lödige **Elevating Work Station (EWS)** is designed for ergonomic handling of main deck ULDs. Featuring powered roller decks mounted on robust scissor lift assemblies, the EWS enables adjustable heights for comfortable cargo operations. Integrated steel safety skirts and precise lifting controls ensure maximum operational safety and efficiency.

Castor Decks are modular, heavy-duty platforms designed for multi-directional manual ULD movement and storage. With customisable sizes, ergonomic working heights (203 mm or 508 mm), and optional features like power drive units or weighing systems, Castor Decks optimise manual cargo handling. Ideal for buffer zones, Build & Break areas, truck docks, or cool rooms.

Ball Decks are modular, non-powered decks for the manual handling of ULDs. Equipped with robust ball transfer units, these decks allow smooth multi-directional movement, making ULD positioning fast, effortless, and safe. With pneumatic brake pads and pin stops, the decks ensure stable ULD positioning at an optimal ergonomic height.

Powered Roller Decks move ULDs automatically in racks and docks. A robust base for faster, safer and more efficient transfers.

Automated Guided Vehicles (AGV) move ULDs flexibly across the terminal. Scalable, 24/7 available and safe – ideal for efficient cargo flows.

ULD Support Pallets serve as a base for transporting and storing ULDs inside terminals. In combination with the Cargo Pallet Mover, they enable flexible, safe and efficient handling.

Cargo Pallet Mover transports ULDs placed on ULD Support Pallets with precision. Battery-powered, agile and precise – perfect for peak handling.

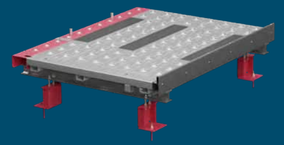
Flexloader lifts and transfers ULDs flexibly between levels. A compact all-in-one device that boosts handling efficiency in tight spaces.

Transfer Vehicles (TV) The Lödige Transfer Vehicle (TV) bridges critical gaps in your air freight handling system. Whether servicing ULD storage, workstations, cold zones, or various areas within the terminal, it ensures seamless horizontal transport of 5 ft or 10 ft ULDs via integrated roller conveyor decks. Transfer vehicles and hoists are central components of Lödige Lift & Run systems.

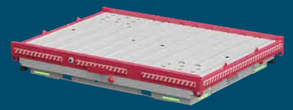
Inhouse Pallet (IHP) Durable plastic pallets, X-ray compatible and barcode-ready. Ensure efficient, compliant handling of consignments in manual or automated ASRS.

The **Elevating Transfer Vehicle (ETV)** is a fully automated, rail-guided storage and retrieval system designed to transport Unit Load Devices (ULDs) vertically and horizontally within air cargo terminals. Capable of reaching multiple storage levels rapidly and precisely, the ETV ensures efficient utilisation of vertical space and improves overall handling performance. Integration into the Lödige Cargo Professional Suite enables real-time control, automated operations, and seamless interaction with other terminal systems.

Elevating Work Station (EWS)



Ball Decks

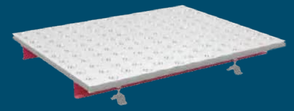


AGV

Cargo Pallet Mover

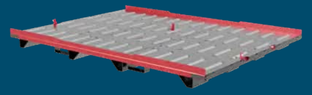
Transfer Vehicle (TV)

Elevating Transfer Vehicle (ETV)



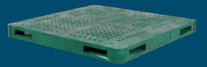
Castor Deck

Powered Roller Deck



ULD Support Pallets

Flexloader



Inhouse Pallet (IHP)

INTRA-TERMINAL TRANSPORT

Read more about this process step

Reliable Movement of ULDs & Cargo Inside the Terminal

Internal transport links all key areas of the cargo terminal – from docks and storage to build & break stations and airside handover. Lödige provides flexible, scalable solutions such as AGVs, transfer vehicles, and conveyor systems, tailored to your operations and integrated with smart software.

How Cargo Moves Inside the Terminal

During operation, all kinds of cargo are moved between acceptance, storage, processing and aircraft handover. Transport may be manual, vehicle-based or fully automated, using solutions such as AGVs, transfer vehicles, pallet movers or conveyor systems. Special cargo zones like cool storage, DGR and out-of-gauge areas are fully integrated.

For internal transport, we combine four core strengths: **products, software, system planning** and **service**. Together, they ensure safe, efficient and scalable ULD transfers – connecting all terminal areas from manual movers to fully automated AGV fleets.

Elevating Transfer Vehicles (ETV) run on rails in storage aisles. They lift and move ULDs safely in high-bay racks, maximising vertical space and throughput.

Automated Guided Vehicles (AGV) move ULDs flexibly across the terminal. Scalable, 24/7 available and safe – ideal for efficient cargo flows.

Powered Roller Decks move ULDs automatically in racks and docks. A robust base for faster, safer and more efficient transfers.

Right-Angle Decks enable smooth 90° transfers using driven rollers and lateral wheels.

Turntable Right Angle Deck Turntables for ULDs are motorised rotating platforms used to redirect Unit Load Devices (ULDs) at angles of 90° or 180°. Compatible with 5 ft, 10 ft, 15 ft and 20 ft ULDs, these units support safe and reliable directional changes within cargo terminals – particularly where layout constraints require rerouting.

Transfer Vehicles (TV) travel on rails in terminal aisles, linking workstations, storage and cold zones. They move ULDs quickly, precisely and safely across levels.

Cargo Pallet Mover transports ULDs placed on ULD Support Pallets with precision. Battery-powered, agile and precise – perfect for peak handling.

Chain conveyors connect IHP storage routes, offering high load capacity and modular design for efficient, automated consignment handling.

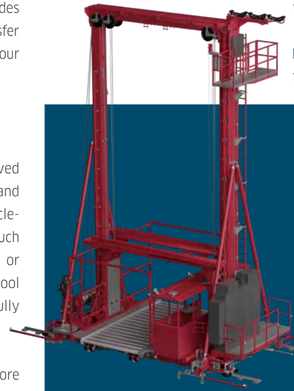
ULD Support Pallets serve as a base for transporting and storing ULDs inside terminals. In combination with the Cargo Pallet Mover, they enable flexible, safe and efficient handling.

Roller Conveyors are a key component of automated pallet handling in air cargo terminals. Designed for horizontal transport of inhouse pallets (IHP), they link ASRS, stacker cranes, racking, and manual transfer points. Their chain-driven rollers and modular design support multiple pallet sizes, withstand harsh environments, and ensure efficient integration into automated cargo handling processes.

Flexloader lifts and transfers ULDs flexibly between levels. A compact all-in-one device that boosts handling efficiency in tight spaces.

Lödige **Right Angle Conveyors** allow a 90-degree change of direction for inhouse pallets (IHP) within air cargo consignment storage and ASRS. Designed for use alongside roller and chain conveyors, they enable highly efficient pallet routing. The system supports operating temperatures from -30 °C to +60 °C, and integrates friction drives for storage decks.

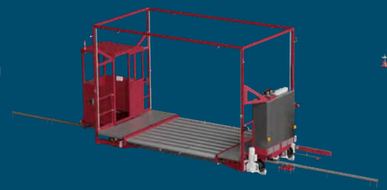
The Lödige **Stacker Crane** is a main element of an automated storage and retrieval system (ASRS) designed for consignment storage in air cargo terminals. It manages the fully automated transport, storage, and retrieval of inhouse pallets (IHP) within multi-level racking systems. With horizontal speeds up to 150 m/min and vertical lifting up to 30 m/min, it handles loads up to 1,300 kg with precision. Ideal for dynamic consignment storage, it minimises manual handling, maximises storage density, and supports seamless cargo flow.



Elevating Transfer Vehicle (ETV)

AGV

Right-Angle Deck

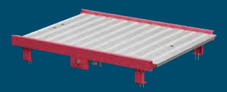


Transfer Vehicle (TV)

Chain Conveyor

Roller Conveyor

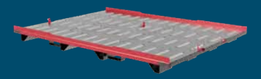
Right Angle Conveyor



Powered Roller Deck

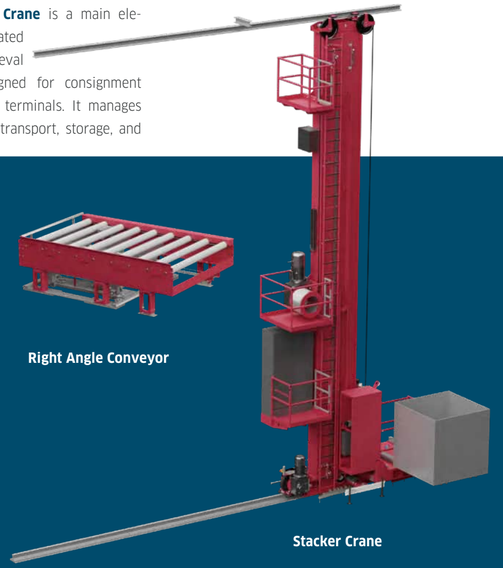
Turntable
Right Angle Deck

Cargo Pallet Mover

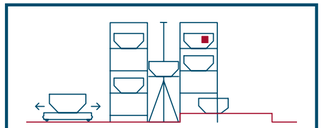


ULD Support Pallet

Flexloader



Stacker Crane



ULD STORAGE

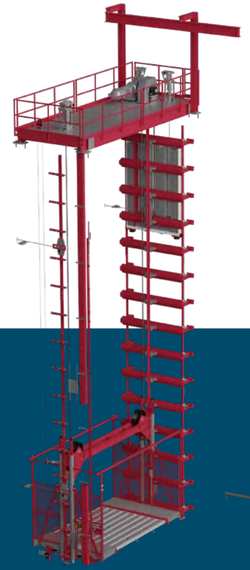
Read more about this process step

Efficient ULD Storage for Any Terminal Size

Upon arrival from landside, build & break or the airside interface, ULDs are registered in the terminal management system and placed into storage. In manual setups, this means positioning them on ULD support pallets or castor decks, with location updates recorded in the system. In fully automated systems such as ETV or Lift & Run, storage and retrieval are system-guided, with ULDs automatically placed in racks and retrieved on demand for build-up, onward processing or aircraft loading.

In ULD storage we combine four core strengths: **products, software, system planning** and **service**. Together, they deliver efficiency, compliance and future-ready performance – from simple manual racks to fully automated high-bay systems.

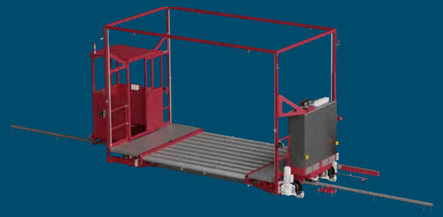
Elevating Transfer Vehicle (ETV)



ULD Hoist

Elevating Work Stations (EWS) bring ULDs to the perfect height. Ergonomic build-up and breakdown that protect staff and speed up flows.

ULD Hoist Facing bottlenecks in your air cargo operations due to inefficient ULD handling? The Lödige ULD Hoist provides an innovative, economical solution designed to enhance throughput in high-bay Lift & Run storage systems. This system combines vertical transport by the hoist with horizontal transfer by transfer vehicles (TV), allowing fast and efficient movement of ULDs across multiple storage levels within the terminal.



Transfer Vehicle (TV)

Transfer Vehicles (TV) travel on rails in terminal aisles, linking workstations, storage and cold zones. They move ULDs quickly, precisely and safely across levels.

Storage Decks are where ULDs are kept in racks. This product is strong, friction-driven and scalable. It is designed to buffer cargo smoothly until it is needed.

Cool Rooms are climate-controlled chambers built directly into the ULD storage rack. Available as single- or two-level solutions, each room holds multiple 10 ft or 20 ft ULDs. Every zone can be configured independently, ensuring stable temperatures from +2 °C to +25 °C. Access is secured with sectional and hinged doors, and integration into ETV or TV aisles ensures seamless loading via friction-powered storage decks.

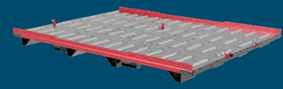
Powered Roller Decks move ULDs automatically in racks and docks. A robust base for faster, safer and more efficient transfers.

ULD Support Pallets serve as a base for transporting and storing ULDs inside terminals. In combination with the Cargo Pallet Mover, they enable flexible, safe and efficient handling.

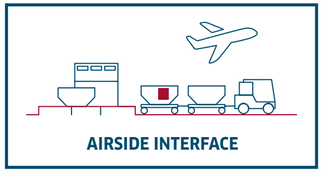
Storage Decks

Cool Room

Powered Roller Deck



ULD Support Pallets



Read more about this process step

Reliable Handover of ULDs to the Airside of the Terminal

The airside interface is the link between the cargo terminal and the apron. Outbound ULDs must reach the aircraft on time, while inbound units need to be accepted quickly and safely. Accuracy, coordination and IATA-compliant handling are key to maintaining flight schedules. Lödige solutions enable seamless transfers in both directions, from manual handling to full automation.

The Airside Interface Process

Outbound ULDs are assigned to their respective flights and released from the terminal to the dolly docks. Supported by integrated software, scanning and registration can be performed automatically to ensure precise timing and positioning. On inbound, ULDs arriving from the aircraft are received at the same docks, registered, and directed to breakdown or storage areas. Optional checks such as damage inspection or contour control can be seamlessly integrated into the process.

Castor Decks provide effortless multi-directional ULD moves. Flexible, modular and quick to adapt for handling or buffer zones.

Tilting (Roller) Decks ease dolly handovers by reducing friction. Faster transfers, less wear, and safer ULD handling at the airside gate.

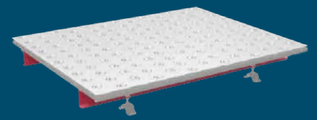
Ball Decks let staff shift ULDs freely in any direction. Simple, modular and effective for manual handling in build & break areas.

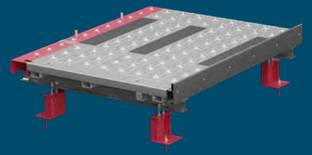
Transfer Vehicles (TV) travel on rails in terminal aisles, linking workstations, storage and cold zones. They move ULDs quickly, precisely and safely across levels.

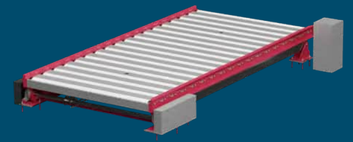
Powered Roller Decks move ULDs automatically in racks and docks. A robust base for faster, safer and more efficient transfers.

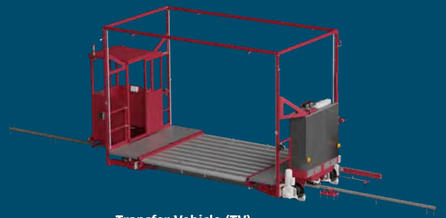
Elevating Transfer Vehicles (ETV) run on rails in storage aisles. They lift and move ULDs safely in high-bay racks, maximising vertical space and throughput.

Turntable Right Angle Deck
Turntables for ULDs are motorised rotating platforms used to redirect Unit Load Devices (ULDs) at angles of 90° or 180°. Compatible with 5 ft, 10 ft, 15 ft and 20 ft ULDs, these units support safe and reliable directional changes within cargo terminals – particularly where layout constraints require rerouting.


Castor Deck


Ball Decks


Tilting Decks


Transfer Vehicle (TV)

Powered Roller Deck

Elevating Transfer Vehicle (ETV)

Turntable
Right Angle Deck

SAFE, EFFICIENT AND SCALABLE

STORAGE SOLUTIONS

Safe, efficient and scalable storage for all types of air cargo and more

Efficient storage is a key driver for smooth airport operations. Lödige Industries provides flexible storage solutions for unit load devices (ULDs), consignment goods, maintenance, repair and operations (MRO) items, and flight catering trolleys – safe, space-saving and scalable for any terminal size. Designed for flexibility, our solutions optimise throughput, efficiency and operational safety. We support you not only with the planning and implementation of new facilities but also with modernisation and upgrades of existing storage systems.

Our Cargo Storage Solutions

Lödige cargo storage solutions are designed to meet the demands of modern cargo terminals. Whether storing unit load devices or consignments, our systems work hand in hand with the Lödige Cargo Professional Suite to provide seamless process integration, real-time visibility and IATA-compliant handling. Each solution is tailored to terminal size, cargo volume and operational strategy, ensuring reliability in day-to-day operations and flexibility for future growth.

- Specialised systems for ULDs, consignments, MRO inventories and catering trolleys
- Smooth cargo flows with minimal manual handling
- Optimised for cool storage, OOG, and DG cargo
- Space-saving vertical and horizontal storage
- Faster ULD and consignment turnaround
- Compatible with AGVs, conveyors, truck docks, and workstations
- Scalable – from manual to fully automated systems
- Damage prevention with IATA-compliant handling
- Fully integrated into terminal cargo management systems

Read more

FLIGHT CATERING
LOGISTICS

Catering logistics is one of the most time-critical and hygiene-sensitive processes in aviation. Airlines and service providers must ensure that meals, beverages and equipment are available on time, in perfect condition, and under strict food safety standards. Lödige delivers modular solutions that guarantee efficiency, transparency and scalability for modern catering facilities.

Flight catering logistics covers the complete journey of catering trolleys and bins – from inbound acceptance and cleaning to tray setting, storage and outbound delivery to the aircraft. Our systems combine hygienic design with efficient space utilisation, supporting both ambient and temperature-controlled operations.

By eliminating unnecessary stock transfers, integrating vertical and horizontal transport, and connecting seamlessly to inventory management, Lödige solutions reduce costs, safeguard the cold chain, and improve transparency throughout the catering process.

- Increases available floor space by up to 80%
- Centralises storage enabling connectivity across production levels
- Reduces the need for interfloor goods hoists
- Creates a controlled, secure, hygienic environment
- Saves energy by reducing the temperature controlled space
- Seamless integration with existing layouts and IT systems
- Provides full transparency through barcode/RFID and inventory management

Read more

AUTOMATION
THAT DRIVES AIR CARGO EFFICIENCY

Growing cargo volumes, rising cost pressure and the need for maximum reliability make automation a key factor for the future of air cargo logistics. Automated solutions not only speed up processes but also ensure consistent quality, transparency, and safety in daily operations. They help terminals increase throughput, reduce manual workload, and optimise space – all while keeping operating costs under control.

We understand that every terminal has different requirements. That's why our portfolio covers the full spectrum – from partial automation of selected process steps to fully automated end-to-end solutions. This flexibility allows us to support ground handlers, airlines and airports of all sizes with tailored systems that fit their business model and growth strategy.

Automated Guided Vehicles (AGV) – Scalable and flexible ULD transport with minimal manual intervention.

Smart Gate – Intelligent truck and cargo check-in, reducing waiting times and improving flow.

Whether it's introducing first automation modules or operating a fully automated cargo terminal – Lödige is your partner for reliable, efficient and future-ready cargo handling.

TECHNOLOGY IN MOTION

BENEFITS
OF OUR AGV

- Interface to any standard air cargo equipment incl. dollies, cargo pallet movers or manual handling areas
- Flexible connection between different stationary conveyor systems within the terminal
- Reduces space requirements due to compact design and unique arrangement of the drive units
- High operational safety for both operators and freight
- Permanent availability through efficient energy management and multiple vehicles
- Fully integrated into the warehouse management system (Lödige Cargo Professional Suite)
- Loading and conveying at air cargo standard height of 508 mm

LÖDIGE CARGO PROFESSIONAL SUITE

INTEGRATED TERMINAL MANAGEMENT SOFTWARE

The central Terminal Management System for air cargo operations

In air cargo terminals, thousands of ULDs, pallets and consignments are handled every day. Without the right software, bottlenecks, delays and errors are inevitable. The Lödige Cargo Professional Suite provides one central platform to manage all cargo flows – from landside to airside interface – ensuring full transparency, efficiency and compliance.

Integrated Terminal Management Software

The Lödige Cargo Professional Suite integrates every process within an air cargo terminal: landside acceptance, build & break, storage and airside interface. It manages ULDs, in-house pallets and consignments with real-time tracking, KPI dashboards and automated workflows. Modular in design, CPS adapts to any level of automation – from manual operations to fully automated mega-hubs.

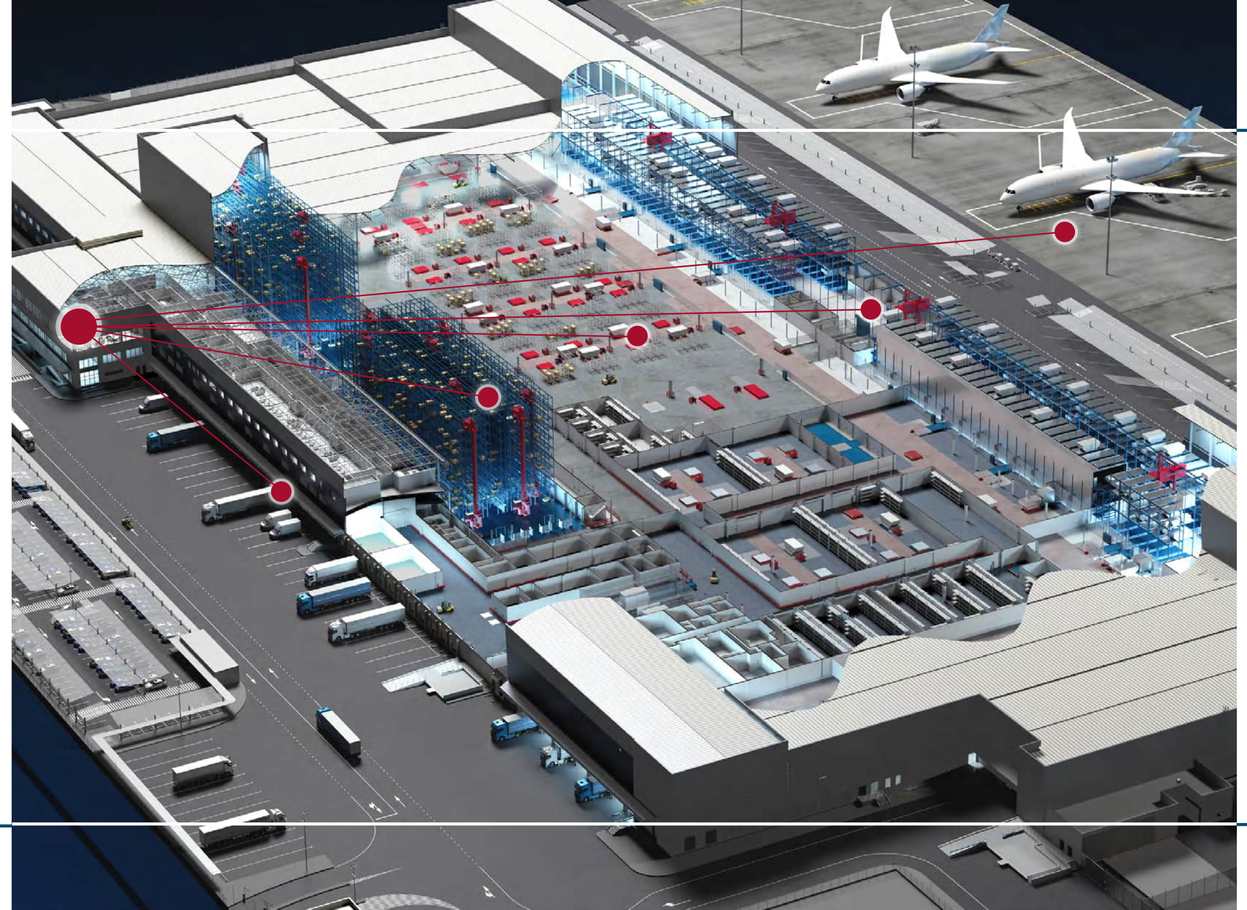
LÖDIGE CARGO PROFESSIONAL SUITE

CARGO CONTROL

Reliable management of ULDs and inhouse pallets is key to efficient cargo handling. Cargo Control, the core module of the Lödige Cargo Professional Suite, tracks every movement, controls equipment and ensures a smooth terminal flow.

CARGO DIRECT

Air cargo operations demand full visibility and compliance. Cargo Direct brings transparency down to the shipment level, integrating e-Air Waybill data and automating processes for consistent, efficient handling.



Cargo Control: Central Command for ULDs and IHPs

Cargo Control manages ULDs and inhouse pallets (IHPs) across all handling processes. It monitors equipment in real time, controls storage and transport flows, and makes every movement transparent and reliable. By coordinating manual, semi-automated and fully automated systems, it ensures consistent throughput and dependable process control.

Cargo Direct: Transparency for Shipments inside ULDs and Pallets

Cargo Direct creates full visibility for shipments packed inside ULDs or placed on pallets. By integrating e-Air Waybill data, synchronising bookings and tracking consignments at piece level, it connects airlines, forwarders and handlers on one data platform. Using CPS Process Automation, the system ensures compliance, consistency and efficiency. The user simply scans the cargo – and Cargo Direct directs the next step, optimising every move and reducing handling costs.

RELIABLE SERVICE.
EXPERT MAINTENANCE.

PEAK PERFORMANCE.

Lödige Industries provides bespoke maintenance, refurbishment and modernisation solutions for material handling systems, ensuring reliable operation, maximised efficiency, and minimal downtime. Our international service network guarantees fast response times, even for equipment not originally delivered by Lödige.

As your facility evolves, we support system expansions, upgrades, and transitions to new technologies – all while operations continue smoothly. Our proven expertise ensures enhancements and modernisations are delivered with minimal disruption.

Maintenance – Maximise Reliability and Safety

We provide maintenance services tailored to your needs, from basic periodic inspections to full resident service contracts with a Lödige team on-site 24/7.
Our experienced technicians work according to agreed service levels, taking full responsibility for the performance and long-term condition of your system – reducing unplanned downtime and disruption to your operations.

Modernisation – Boost Performance and Energy Efficiency

Lödige coordinates the entire modernisation process, from planning and engineering to installation and commissioning. Our goal is to ensure your upgraded system meets all statutory and performance requirements while improving efficiency, safety, and reliability.

Spare Parts & Repairs – Genuine Components

Through an extensive supplier network, Lödige provides genuine parts and OEM components for all system types, including legacy or obsolete items. Rapid regional delivery ensures minimal downtime, while our experts can also source components from modernisation projects where necessary.

Leverage Our Expertise

With decades of experience, Lödige guides you in bringing your material handling systems to state-of-the-art standards in safety, reliability, and performance. We advise on the most suitable solutions, certify installations, and oversee testing to ensure your system operates at its best.

TRUSTED
WORLDWIDE

Lödige Industries delivers air cargo terminal systems worldwide and supports major hubs across Europe, Asia, the Americas and the Middle East.

With more than 50 years of experience in air cargo automation, the company's technologies handle around 29 million tonnes of air freight annually.

Through its international subsidiaries and service locations, Lödige ensures close customer proximity, on-site project support and long-term operational assistance.

Lödige Industries – Global Market Leader in highly efficient Air Cargo Terminals. Our technology powers major air cargo hubs worldwide – from Sydney to New York – and delivers the same reliability and quality for terminals of every size.

TECHNOLOGY IN MOTION

WirtschaftsWoche
GLOBAL MARKET LEADER
Champion
2026
Lödige Industries
Air Cargo Terminals
Global Market Leader Index

Member of

TIACA
CARGOiQ
visibly better
IATA

... and many more.

LÖDIGE INDUSTRIES

We will be happy to support you throughout the entire planning, installation and operating phases of your airport solution: Whether it is a new project, an existing project or a renovation – we look forward to hearing from you.

Let's start a new project together!

Discover your direct contact:

www.lodige.com

APS_BR_Airport Solutions_20261023_09_EN