



# TECHNOLOGY IN MOTION

[www.lodige.com](http://www.lodige.com)

**LODIGE**  
INDUSTRIES

LÖDIGE INDUSTRIES

# THE SPECIALIST FOR COMPLEX LOGISTICS SYSTEMS AND MACHINERY

As a specialist for logistics systems and lifts, Lödige Industries has been helping companies from a whole range of industries since 1948. Our solutions and services are very broad and range over different application areas. The key to our success is our expertise in mechanical engineering, system integration and service, which is integrated into every thing we do.

Due to the targeted use of synergies and the consistent exchange of knowledge within the company, we develop sophisticated systems for our customers, which make the transfer of goods, materials and people particularly economical and reliable.

Through our global network of regional locations we ensure that you can always access our pooled expertise quickly. Lödige Industries provides quality and expertise you can rely on, for projects both large and small.



*As a global group with more than 1,000 employees, we have maintained the tradition of a family-run company and are proud to be a trusted partner to our staff and customers.*

*Our aim is to achieve maximum quality in all areas.*



**PHILIPPE DE BACKER**  
CEO



**DR. RUDOLF LÖDIGE**  
CHAIRMAN  
OF THE BOARD

## SYNERGY FROM EXPERTISE:



Our group's local presence means we are never far away from our customers.



Global personal management of your projects by experienced specialists.



Expertise in engineering, system integration and service, for solutions to meet your needs.



Our group's international knowledge transfer: benefit from the Lödige Group's expertise across all sectors.



A quality management system delivering consistent product and service quality worldwide.



## AIRPORT LOGISTICS FROM THE MARKET LEADER

# HIGH THROUGHPUT TECHNOLOGY

Lödige develops systems and machinery for reliable cargo and baggage handling. We combine established technology, innovative methods and intelligent processes into a model for success: greater speed, less space and maximum availability.



### OUR SOLUTIONS:



#### AIR FREIGHT HANDLING

Systems and individual components for cost-efficient transportation, storage and build & break of air cargo units and consignments.



#### PARCEL HANDLING

High-throughput and space-saving logistics systems for handling express parcel and courier cargo at airports.



#### BAGGAGE HANDLING

Smart solutions for efficient handling of baggage ULDs and process-reliable loading of baggage in ULDs.



#### ASSEMBLY & MAINTENANCE

Automated handling of stored aircraft parts and tools, working platforms, lifting and lowering equipment for all work on the aircraft.



#### FLIGHT CATERING LOGISTICS

Systems for storing, cooling and shipping in-flight catering that are efficient in terms of space, time and cost.

### REFERENCE | ASIA AIRFREIGHT TERMINAL (AAT), HONG KONG

AAT's Terminal 2 at Hong Kong International Airport is designed to handle 910,000 tons of cargo per annum. Lödige Industries designed, installed and commissioned the fully automated material handling system at the heart of the building. In addition, Lödige provides maintenance services 24/7 through a dedicated on site team. AAT Terminal 2 contains the worlds tallest ETV's, designed and manufactured by Lödige, handling ULDs weighing up to 6.5 tonnes, to a height of 43 metres, fully automatically.



Cargo Terminal  
Royal Mail London  
(Freight handling)



Cargo Terminal  
Nordic Cool Cargo, Helsinki  
(Freight handling)



FlexLoader  
arvato Disribution Centre,  
Düren (Freight handling)



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SPACE-SAVING AND SAFE

# A NEW LEVEL OF PARKING FREEDOM

Lödige Industries' park and hide principle supplies state of the art parking solutions for requirements of just one car up to many thousands. Expensive ramps and slopes that take up a lot of space are now a thing of the past and our automated parking systems offer users a comfortable and completely new parking experience.

OUR SOLUTIONS:



**CAR SCISSOR LIFT MAGUS®**  
Space-saving parking solution suitable for one or two cars. Completely integrated into driveways or front-/back yards.



**CAR LIFTS PEGASOS®, TRAFFICO® & CARRICO®**  
Transport cars over many levels. PEGASOS® requires particularly small installation dimensions. TRAFFICO® offers convenient and customisable user operations. CARRICO® is a cost-effective alternative when lower lifting heights and less frequent use are required.



**CAR PARK SYSTEMS CUBILE® AND 5BY2**  
Fully automated car park systems based on the latest technologies. Enable efficient, comfortable and space-saving parking for up to 1,000 cars.

**REFERENCE | FULLY AUTOMATED CAR PARK SYSTEM CUBILE®, DOKK1, AARHUS**

Automated car park system CUBILE® with 972 parking spaces for the new library and community center „DOKK1“ in Aarhus (Denmark). Lödige's turn-key scope of works included system design, manufacturing and supply of mechanical and electrical equipment, steel and concrete works, transfer cabins as well as payment, IT and supervisory control systems.



PEGASOS®,  
LUXOR Filmpalast, Bensheim



PEGASOS®,  
Private building  
(Berlin)



TRAFFICO®



Fully automated  
car park system CUBILE®  
(Aarhus)



Fully automated  
car park system 5BY2  
(Boston)



RELIABLE DAILY HELPERS

# YOUR SPECIALIST IN VERTICAL GOODS TRANSPORT

Lödige Industries has been a specialist developer and producer of goods lifts for many decades. Our solutions include the transport of goods, cars and passengers in industry, retail and logistics. Since 1948 we have been producing lifts using state of the art technologies resulting in machines renowned for their reliability.

OUR SOLUTIONS:



**OLYMPUS HEAVY GOODS LIFT**  
Standard goods lifts for loads up to 15 t. Higher lifting capacities are available on request.



**SHERPA® GOODS ONLY LIFT**  
Ideal for transporting goods up to 3,000 kg in storage and production areas.



**ESCORTA® GOODS LIFT**  
ESCORTA® is a perfect solution for transporting goods up to 3,000 kg. It offers an additional benefit of multi-passenger transportation.



**SPECIAL SYSTEMS**  
Goods lifts for customised applications: e.g. scenery lifts for theatres, lifts with a nominal load over 25 t.



**ELEGANCA PASSENGER ELEVATOR**  
A flexible solution for passenger transport, which can be easily installed in all types of buildings. It is a perfect combination of style and functionality.



ESCORTA® Goods Lift



ONE OF 12,500 REFERENCES:  
RUDOLPH AUTOMOTIVE LOGISTICS, LORSCH

*The automotive industry is continuously optimising and modifying its production lines to suit changes in market demand and needs. Lödige goods lifts provide expansion of warehousing operations by an easy integration into existing buildings, without the need for major refits.*

*Lödige Industries supplied Rudolph Automotive Logistics with two ESCORTA® Goods Lifts with access for persons (travel height: 5 m, nominal load: 2,000 kg, cabin dimensions (W x D x H): 2,400 x 2,870 x 2,200 mm).*



ESCORTA® Goods Lift  
(Factory in Germany, Bad Oeynhausen)



OLYMPUS Heavy Goods Lift  
(Factory in Germany)



Special system  
(Theater, Nürnberg)



VERTIC® private lift  
(apartment house in Westenholz,  
Delbrück)



## TECHNOLOGY FOR PEOPLE PRODUCTS FOR A LIFE WITHOUT STAIRS

Based on your particular requirements, Lödige Industries finds the right solution for you through individual consultation. All products exhibit a high degree of comfort, providing a smooth ride for the occupants.

### OUR SOLUTIONS:



#### VERTIC® LIFT

The VERTIC® Lift is a free standing cable driven platform lift. Its compact dimensions make it ideal for retrofitting. It has a reach of up to 6 floors and is suitable for both indoor and outdoor use.



#### PLANTINO® PLATFORM STAIR LIFT

The PLANTINO® is a space-saving and budget-priced platform stair lift. Installation is possible for curved staircases.



### REFERENCE | SPARKASSE DESSAU

Our solutions for barrier free access improve the quality of life of people who have restricted movement.

A VERTIC® private lift was installed in the Sparkasse Dessau (travel height: 1.7 m, nominal load of 400 kg).



VERTIC®  
Public building



PLANTINO®  
Platform stair lift



VERTIC®  
Public building





EFFICIENT ON ANY SCALE

# LIFTING TABLES WITH LIFTING CAPACITY FROM 500 TO 100,000 KG

To date, over 11,000 units have been delivered to the industry worldwide. The scissor lifting tables product portfolio ranges from simple flexible scissor lift tables with a lifting capacity of 1,000 kg to complex truck lifts. The truck lifts as double scissor lift tables can reach a maximum height of 15 m and lift up to 100 tons.

OUR SOLUTIONS:



**SMALL CLASS**

The scissor lift tables in the Small Class are offered with a lifting height of 900 mm and in two platform sizes 1,400 x 850 mm and 1,700 x 1,200 mm.



**MIDDLE CLASS**

The scissor lift tables in the Middle Class are offered with a lifting height of 1,800 mm and lifting capacity of 6,000 kg.



**HEAVY CLASS**

Heavy Class products are designed for loads weighing up to 100 t and elevations of up to 15 m.



**INDIVIDUAL SOLUTIONS**

Special products for special applications.



Heavy Class  
Extended Atlas (LorryLift)  
(Stadsschouwburg Amsterdam)



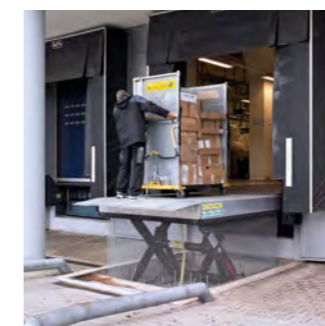
REFERENCE | STADSSCHOUWBURG AMSTERDAM

Space is tight in Amsterdam city centre. Since the modernisation of the „Stadsschouwburg Amsterdam“ theatre, scenery is transported over several floors using two Lödige LorryLifts.

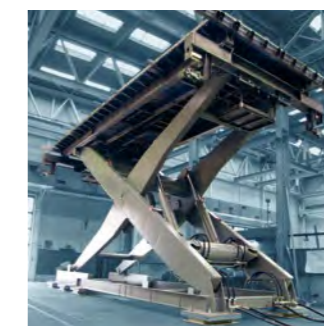
Outdoor system : Extended Atlas (load capacity: 20 t, lifting height: 11.5 m, platform dimensions (L x W): 13.6 x 3.9 m, feature: double-deck)  
indoor system: Giant (load capacity: 24 t, lifting height: 5.3 m, platform dimensions (L x W): 16.5 x 7.8 m)



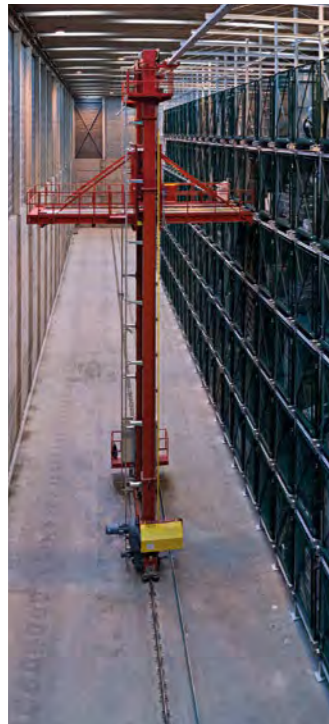
Small Class  
Lifting table



Middle Class  
Lifting table  
(BRAX, Herford)



Heavy Class  
LorryLift



**REFERENCE | OSLO OPERA HOUSE**

The storage and retrieval machine was made and installed by Lödige Industries for the warehouse of Den Norske Opera Oslo (lifting height: 17.75 m, nominal load: 5 t, platform size (L x W): 9,400 x 3,500 mm).

**POOLING KNOWLEDGE**

**EXPERTISE IN  
CUSTOMISED SOLUTIONS**

Where customised engineering solutions are required, Lödige is the right choice. We carefully analyse your requirements and develop the right solution for you, to optimise handling and material flow. Our expertise is your success.

**SUMMARY OF SOME BESPOKE SOLUTIONS:**

- Storage and retrieval machines for especially heavy or odd-shaped loads
- Systems for dismantling nuclear power plants
- Conveyer system for waste management
- Can Traversing Units (CTU) for manufacturing chemical fibres
- 360° tilt mechanism for organic waste containers
- Conveyer system for transporting goods onto passenger ships
- Mounting platforms
- Zinc pot lifting table
- Belt winder



360° tilt mechanism for organic waste containers



Conveyer system for waste management



Zinc pot lifting table



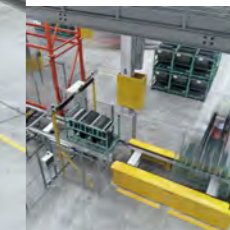




### PERFECT MATERIAL FLOW

# INTRALOGISTICS, REDUCING UNIT COSTS

We work closely with our customers to plan and simulate conveyer solutions and then turn them into profitable turn-key systems. Make use of our cross-sector expertise to improve your internal goods and material flow and increase your system's performance to permanently reduce your operational costs.



#### OUR SOLUTIONS:



##### MATERIAL HANDLING SYSTEMS

Systems for automated material flow optimisation of goods and material throughput.



##### STORAGE SOLUTIONS

Storage solutions for pallets, cages, containers, long materials, coils or special goods.



##### ORDER-PICKING SYSTEMS

Powerful solutions for large and heavy items, up to 3 level order picking in the fully automatic system.



##### PRODUCTION LOGISTICS

Efficiently linking production processes - individual solutions for smooth-running processes in the production.



##### DESIGN & PROJECT PLANNING

Concept development through data collection and analysis, material flow analysis, operation concept, simulation, evaluation of optimisation approaches and detailed planning.

Material handling system  
(BMW Group,  
Workshop Dingolfing)

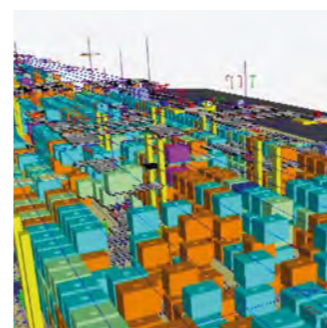


#### OUR SERVICE IS YOUR VALUE ADDED

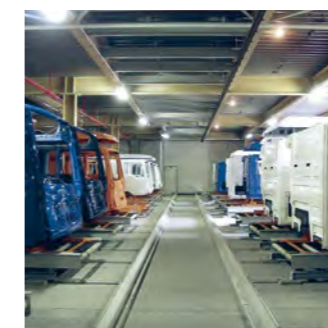
Lödige Industries operates worldwide with regional subsidiaries. We offer solutions from a single source: consulting, planning, construction, manufacturing, installation, commissioning and maintenance.



Material handling system  
(BMW Group,  
Workshop Dingolfing)



Real-time simulation  
process flow in  
a storage system



Automatic storage and  
retrieval system of cabs  
(MAN AG)

#### REFERENCE | JELD-WEN, MITTWEIDA

Complete design package: Lödige Industries supplied a fully automated order picking and storage system for the door manufacturer JELD-WEN in Germany. With the system, doors are automatically sorted, stored, order picked and prepared for dispatch. A service agreement with Lödige Industries permanently guarantees uninterrupted availability.



# PERFECTLY NETWORKED FOR THE SMOOTH FLOW OF INFORMATION

Our team of project and software engineers work on developing efficient software systems to optimise your work processes.



### REFERENCE | BRITISH AIRWAYS

Lift and Run air cargo system with 800,000 tonnes annual tonnage consisting of fully automated ULD and Cage System. Mapping of processes, including AWB cargo tracing, multi-step build & break handling, workstation design, landside acceptance / delivery planning, deadline of airside delivery.



Lodige Enterprise Suite 4.0 offers complete software solutions for handling and managing facilities in an optimal and cost-efficient way.

All processes that deal with handling, process planning and optimising, can be managed and controlled by this software. Together with standard functionality and interfaces, Lodige offers various Plug-In Options. These allow to achieve better in-house efficiency, higher throughput, improved processes and cost saving.



Screenshot: Layout view



ULD history list

### LODIGE ENTERPRISE SUITE PLUG-INS TO OPTIMISE YOUR BUSINESS:

- Auto Break Delivery
- AWB Handling
- Build & Break Planning
- Auto Dispatch
- Forklift Guidance
- Ramp Access Management
- Operations Dashboard
- Enhanced Alerting
- FIDS/3rd Party Interfaces
- Development Emulation
- Equipment Control
- Maintenance Management
- Advanced Reporting & Statistics
- System-Dashboard



24/7 Remote Assistance,  
Remote Control Room

READY TO HELP

# PROFESSIONAL SERVICE ON THE HIGHEST LEVEL

Due to our many years experience and our local presence, we perfectly understand your technology needs. As part of our service, we offer individual maintenance for stand-alone systems as well as for complex automated systems. Our bespoke maintenance services guarantee, that your systems operate reliably at the lowest possible cost.



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REFERENCE | GATE GOURMET ZÜRICH

Gate Gourmet Zürich supplies airlines with up to 50,000 meals a day. Together with a team from Gate Gourmet, Lödige Industries takes care of the maintenance and repairs for the entire catering area and provides the basis for food production every second.

OUR SERVICE PORTFOLIO:



**MAINTENANCE**  
The modular configuration of our maintenance agreements provides you with long-term reliability at the lowest cost.



**CONSULTING**  
We provide expert advice on the current condition of your systems and potential for improvement with regard to technology, throughput and operation.



**SPARE PARTS AND REPAIRS**  
Our international service network guarantees rapid assistance should repairs be necessary.



**MODERNISATION**  
When converting or modernising your systems, our service teams provide you numerous options for upgrading your systems to the latest technical standards.



**24/7 REMOTE-ASSISTANCE**  
In order to reduce the cost of the local service monitoring and to increase system availability, Lödige Industries offers 24/7 remote assistance.

Fully automated  
car park system  
CUBILE®



© Matthias Sandmann



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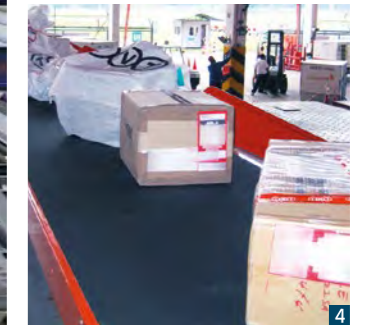
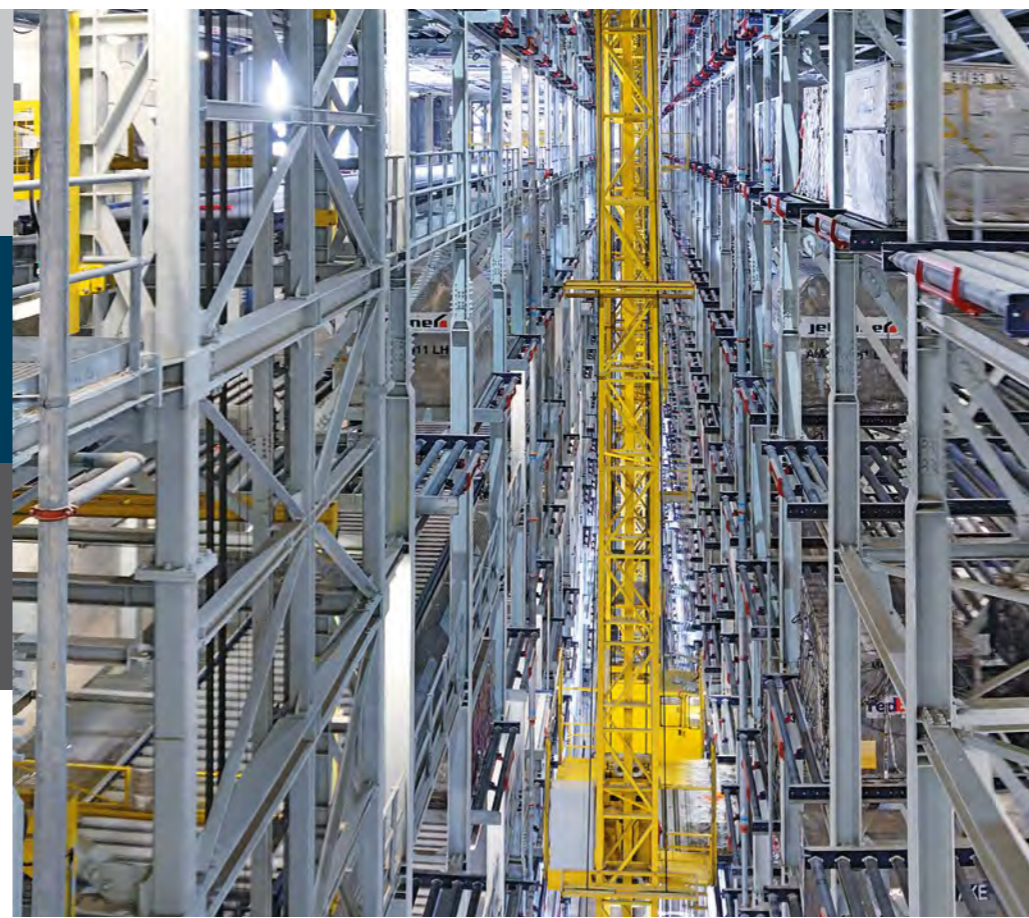
Maintenance  
in the logistic system



Service for elevators



Service for  
air cargo terminals

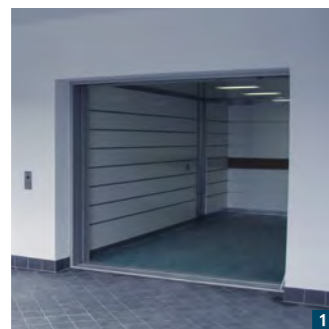


GLOBAL PRESENCE

LÖDIGE MACHINERY AND SYSTEMS SERVE CUSTOMERS WORLDWIDE

Lödige Industries has successfully delivered systems and services to customers all over the world through:

- applied expertise in planning and realising projects,
- innovation in the development of products and systems,
- effective service, which permanently ensures safety and reliability.



SOME OF OUR PROJECTS:

- **01 | CARLOFT, BERLIN**  
CarLoft® is a pioneering modular loft scheme with a garden and a garage on every floor. Lödige delivered the CarLift, a special elevator, which takes residents and their car to the floor they live on. (www.carloft.de).
- **02 | TILLBURG THEATRE**  
LorryLift to transport scenery to the theatre's upper and lower floor (double-decker scissor lift, 40 t load capacity, 4.1 m travel height).
- **03 | US AIRFORCE HICKHAM, HAWAII**  
Air cargo logistics for the US Army including multi-pallet build-up area and lorry lift.
- **04 | TNT, SINGAPORE**  
Express handling system for transporting and sorting courier cargo (parcels and air cargo) at Singapore Changi Airport.
- **05 | AAT, HONG KONG**  
Air cargo logistics for capacity of: 910,000 t/year. The heart of the container handling system is four storage and retrieval machines each with a lifting height of 45 m.
- **06 | MAN AG, DACHAU MUNICH**  
Storage and transport system for lorry cabs, which links the paintshop and cab assembly. The cabs are transported and stored on the system's own auxiliary pallets.
- **07 | DOKK1, AARHUS**  
Fully automated car park system with 972 parking spaces delivered for the library and community center "DOKK1".
- **08 | BLOX, COPENHAGEN**  
Fully automated car park system with 350 parking spaces delivered for one of Copenhagen's major urban development projects.



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