



CAR PARK SOLUTIONS



© DOKK1 Aarhus | Jesper Rais

**TECHNOLOGY  
AT THE HIGHEST LEVEL**

**Space-saving and safe  
parking solutions  
for everyday life**

[WWW.LODIGE.COM](http://WWW.LODIGE.COM)



**LODIGE**  
INDUSTRIES





## The new era of parking: innovative parking technology

## SPACE-SAVING & COMFORTABLE PARK-AND-HIDE

Urban centres are constantly growing. The rising number of cars is challenging architects, developers and owners to create sufficient parking spaces on their properties.

Our parking solutions not only enable the provision of additional parking spaces, but also improve the user-friendliness and comfort of the parking process.

We offer solutions from one to two cars to large systems with several hundred spaces. Our variety of products can be individually tailored to your needs and are suitable for both newbuilds and existing buildings.

### OVERVIEW OF OUR SOLUTIONS:



#### CAR LIFT VERTICAR®

The VERTICAR® scissor lift is a robust and durable car lift with easy operation and elegant facade.

> Page 06 - 07



#### CAR LIFTS: PEGASOS®, TRAFFICO® & CARRICO®

Lifts to transport cars over many levels. PEGASOS® requires particularly small installation dimensions. TRAFFICO® offers convenient and customisable user operations. CARRICO® is an interesting alternative when lower lifting heights and less frequent use are required.

> Page 08 - 11



#### AUTOMATED CAR PARK SYSTEMS

Our fully automated car park systems, based on the latest technologies, enable efficient, comfortable and space-saving parking.

> Page 12 - 15



#### SERVICE | 24/7 REMOTE ASSISTANCE

Worldwide local service for individual machines or complete systems. Backed-up by Lödige's 24/7 support desk.

> Page 16 - 17

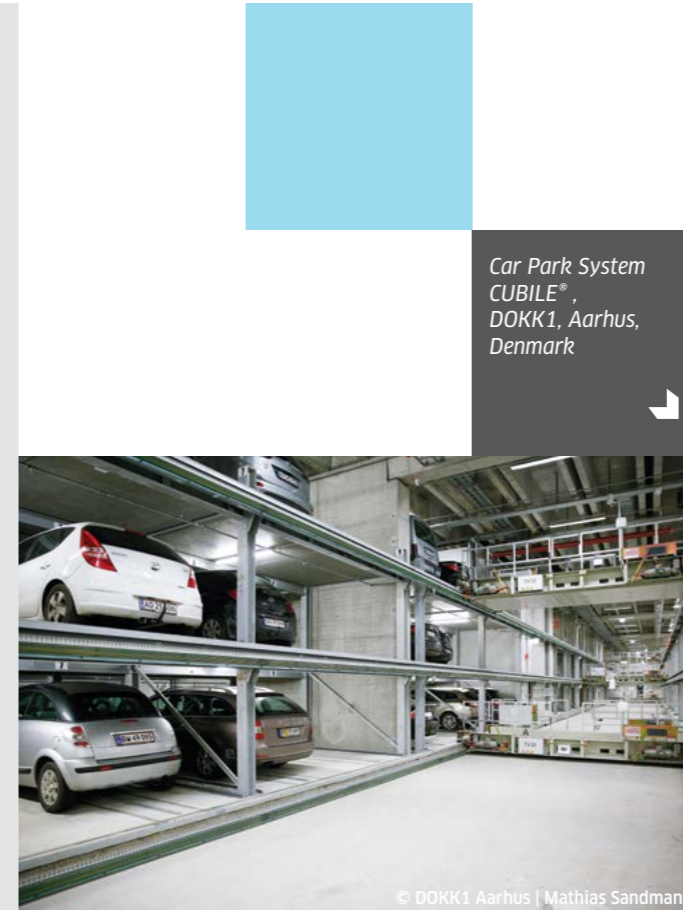




© Malte Jaeger | CarLoft GmbH Berlin\*

## MORE OPTIONS SPACE-SAVING AND SECURE PARKING

Using state-of-the-art technology, we develop, implement and modernise transport and parking solutions for one up to more than 1,000 cars. With in-depth expertise and the most modern technology, we create space for safe and convenient parking. Ease of use and a high level of reliability distinguish our solutions. We place great emphasis on the integration of your individual needs and the development of solutions for both indoor and outdoor use.



Car Park System  
CUBILE®,  
DOKK1, Aarhus,  
Denmark

© DOKK1 Aarhus | Mathias Sandmann



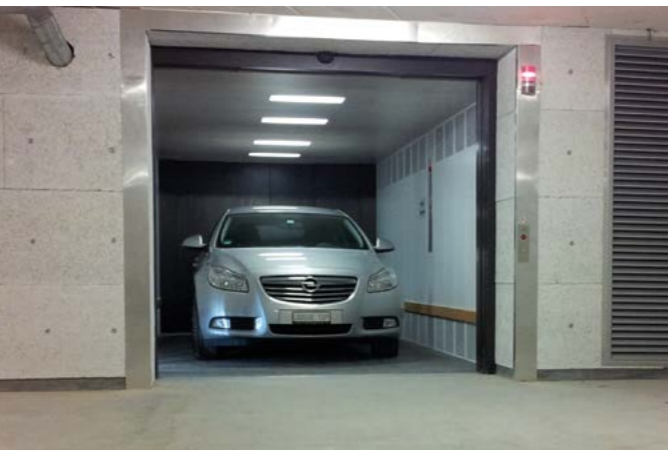
© Realdania Byg | Susanne Eeg

PEGASOS®,  
apartment building,  
Königstein,  
Germany



PEGASOS®,  
private building,  
Berlin,  
Germany

TRAFFICO®,  
Wildbachstrasse,  
Zürich,  
Switzerland



	Car Lifts			
	VERTICAR®	PEGASOS®	CARRICO®	TRAFFICO®
Max. lifting height	3.5 m	24 m	25 m	25 m
Max. speed	0.15 m/s	0.15 m/s	0.15 m/s	0.6 m/s
Stops	2	2-4	2-8	2-8
Pit depth	650 mm	No pit required	850 mm	1.250 mm
Man riding	Allowed	Allowed	Allowed	Allowed
Particularly suitable for up to	15 parking places	20 parking places	26 parking places	40 parking places

Car Park Systems	
RESPACE®	CUBILE®
Particularly high and flexible use of space	Maximised throughput
Easy retrofit in existing buildings	Optimised parking capacity in new buildings
Pallet-based technology	Robot-based technology
Up to 100% ev-charging possible	More than 1 million parked vehicles since 2015
High availability rates and user-friendliness	
Especially suitable for higher numbers of parking spaces	

Service
24/7 Remote Assistance
Maintenance
Spare parts and repairs
24/7 remote-control service
Customer advice
Modernisation





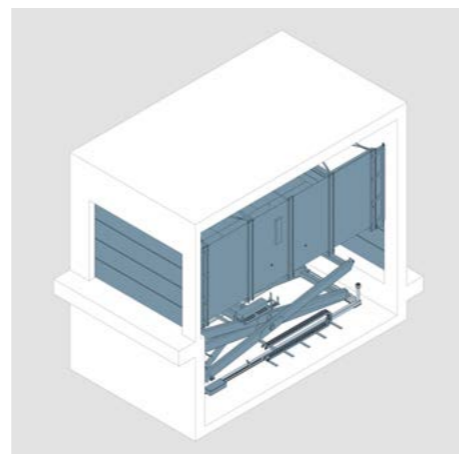
**NEW!**  
CAR LIFT VERTICAR®

## PARK-AND-HIDE VERTICAR®

Robust technology, seamless façade, fast installation.  
The VERTICAR® turns your vision into reality.

### Compact and robust

You can rely on the VERTICAR®. Its robust and proven technology is based on our more than 70 years of experience in the design and manufacture of scissor lifts. Thanks to its compact design it offers better utilisation of limited shaft space.



VERTICAR®,  
standard  
version

VERTICAR®	
Max. lifting height	3.5 m
Max. speed	0.15 m/s
Stops	2
Pit depth	650 mm
Man riding	Allowed
Directive/Norms	Machine Directive 2006/42/EG
Particularly suitable for up to	15 parking places

### Integrate into the façade or make a statement?

Your choice! The VERTICAR® uses Hörmann's elegant automatic sectional doors as standard. This gives you the choice of integrating the door flush with the façade or selecting from the equally elegant and functional "Decograin" surfaces of Hörmann. Modern design combined with proven technology for an efficient access to the parking deck.

**NEW!**  
CALL CAR LIFT VIA APP!

Like all our car lifts, the VERTICAR® can also be conveniently called via smartphone app or remote control.  
> Page 11



VERTICAR®,  
private building  
Moeskroen,  
Belgium



VERTICAR®,  
with cladding in  
façade elements by  
the customer



VERTICAR®,  
with cladding in  
façade elements by  
the customer



## CAR LIFT WITHOUT A PIT PEGASOS®

The PEGASOS® car lift is a perfect solution for construction projects with limited space. It was designed specifically for the transport of cars and convinces through its sophisticated design and a variety of comfortable features.



### PEGASOS®

Max. lifting height	24 m
Max. speed	0.15 m/s
Stops	2-4
Pit depth	No pit required
Man riding	Allowed
Directive/Norms	Machine Directive 2006/42/EG
Particularly suitable for up to	20 parking places

PEGASOS® at a glance:

- Most compact car lift on the market
- Low headroom
- Low or no pit (max 150 mm)
- Appearance of a garage
- No machine room
- Clear door width of 3 m possible
- Quick installation



PEGASOS®,  
private building,  
Berlin,  
Germany



Due to its compact design and the elimination of a machine room, the PEGASOS® is easy to plan. Furthermore, thanks to the automatic roller doors and the low shaft head height, the PEGASOS® resembles a garage entrance.

### The PEGASOS® pays particular attention to user-friendliness.

Users easily operate the car elevator via app or remote control. In addition, fully automatic travel is possible for systems with two stops. The user of the system has only to call by means of a small hand-held transmitter. Once the car is driven into the cabin, the automatic roller door closes and the journey to the next floor is automatically initiated. In the meantime, a traffic light system provides information about the availability of the system.



The PEGASOS® can now be conveniently called and controlled via smartphone app.

> Page 11

Easy planning and configuration online



PEGASOS®,  
apartment building,  
Königstein,  
Germany





© Bauwerke GmbH | CarLoft GmbH Berlin\*

## GREATER COMFORT TRAFFICO® & CARRICO® CAR LIFTS

TRAFFICO® and CARRICO® lifts bring a car and its passengers safely and comfortably to the desired parking level. Furthermore, the elimination of complex access ramps allows this space to be planned for other purposes.



© Nicole Zimmermann | CarLoft GmbH Berlin\*

	CARRICO®	TRAFFICO®
Max. lifting height	25 m	25 m
Max. speed	0.15 m/s	0.6 m/s
Stops	2-8	2-8
Pit depth	850 mm	1.250 mm
Man riding	Allowed	Allowed
Directive/Norms	Machine Directive 2006/42/EG	Lift Standards EN81-20
Particularly suitable for up to	26 parking places	40 parking places

**SIMPLE AND INTUITIVE!**

**CONTROL CAR LIFTS VIA APP!**

As the first provider on the market, we have recently made it possible to control our car lifts via mobile app. Our app solution is a sophisticated product with a simple user administration that can be managed by the customer. The car lift can be called to the entrance level simply via the smartphone. The Bluetooth connection has the huge advantage that an internet connection is not required, enabling a flawless connection even in underground parking. Ranges of up to 30 m are possible.



TRAFFICO®,  
CarLoft GmbH,  
Berlin,  
Germany

Whenever higher throughput is required, TRAFFICO® is a perfect solution. This car lift offers a high level of comfort, luxury operating elements and numerous options that can be individually customised.

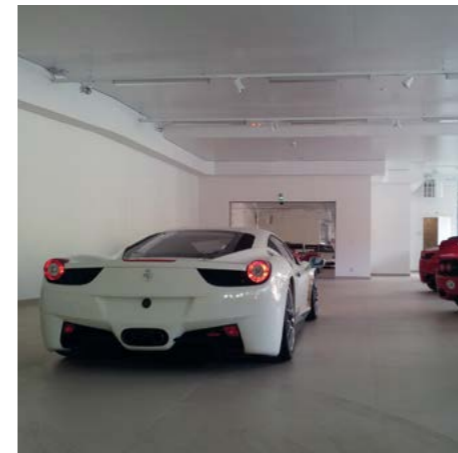
The most convenient way to initiate operation is by remote control or smart card. The reader can be installed next to the lift entrance on a pedestal, for example. Light beams between the cabin and shaft doors prevent damage to the car when entering and leaving. Light barriers facilitate vehicle positioning, thereby speeding up access.

In systems with two stops, the comfort of the ride can be increased thanks to an automatic trip. Once the car has reached a predefined position in the lift, the journey starts immediately.

The CARRICO® car lift is a great alternative when lower lifting heights and less frequent use are required. As no ramp and machine room are required, it is suitable for narrow shafts. Therefore, CARRICO® saves construction space and facilitates planning process. Furthermore, it is delivered with automatic sliding doors and cabin equipment designed for the transport of vehicles and passengers.

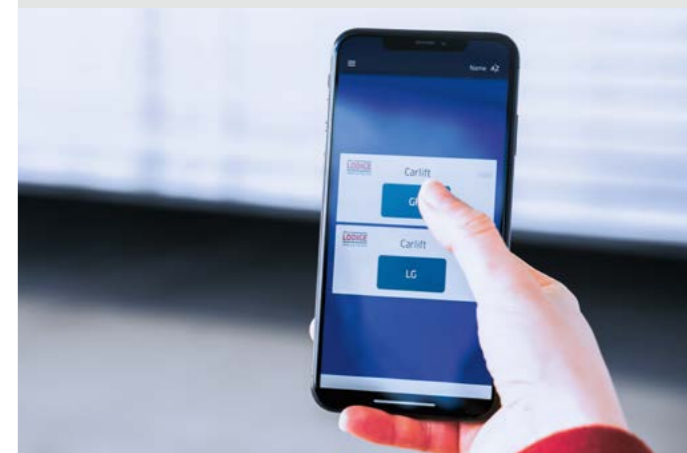


TRAFFICO®  
Parking,  
Zürich,  
Switzerland



TRAFFICO®,  
Garage Zenith SA,  
Sion,  
Switzerland

\* patented by CarLoft GmbH Berlin





# MODERN PARKING CONCEPTS

## FULLY AUTOMATED CAR PARK SYSTEMS

### RESPACE® AND CUBILE®

Our individually planned parking systems are space-saving, efficient and user-friendly solutions for new and existing buildings. Depending on the structural requirements and the wishes of the architect and developer, these systems can provide additional spaces on the smallest footprint.

Utilising two different technologies – RESPACE® and CUBILE® – we offer you a perfect combination of speed and availability with a space-saving of up to 60% and more.



© Cavan Images

RESPACE®	CUBILE®
For office buildings and residential areas	For large office and public buildings
Easy retrofit in existing buildings	Optimised parking capacity in existing buildings
Pallet-based technology	Robot-based technology
Particularly efficient and flexible use of space	Maximised throughput
E-charging possible	
High user-friendliness, utilisation of mobile app possible	

RESPACE is the new fully-automated parking system from Lödige Industries that parks more, larger, heavier cars in a smaller footprint than any other solution. It combines the knowledge and experience gained from building and installing automated parking systems for over 30 years.

An intelligent automated parking technology, that uses a sliding pallet system, similar to a child's sliding puzzle toy. Pallets can be placed very flexibly, thereby accommodating pillars or shear walls and the most challenging of footprints. Each pallet is individually controlled by the system but moved in conjunction with the surrounding pallets for higher performance and shorter waiting times. The RESPACE® system is fully EV-charging ready and particularly suited to residential and commercial buildings, where space is at a premium



Particularly space-efficient: RESPACE® parking system

CUBILE® offers robot-based parking technology for large office or public buildings with a parking capacity of more than 50 cars. The highest possible throughput and particularly high availability are the key advantages of this parking system. Due to the use of robots, hoists and transfer vehicles these systems are very fast and efficient.

In the largest public, fully automated parking system in Europe, our CUBILE® system has parked more than a million cars since 2015 and achieved an average retrieval time of 106 seconds. The availability achieved by the system during this time was higher than 98%.

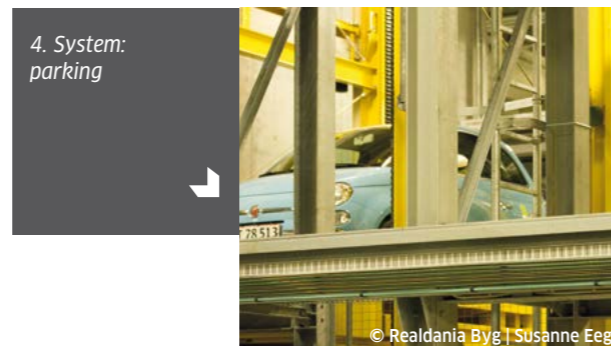
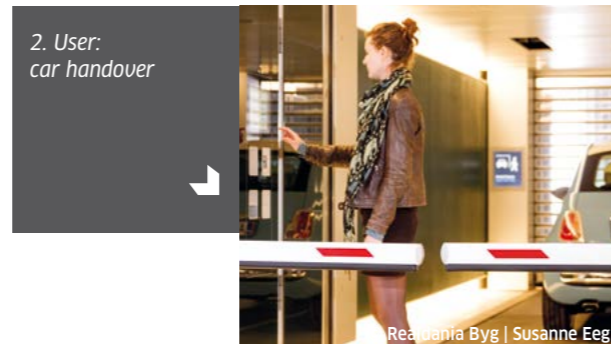


Particularly fast: CUBILE® parking system

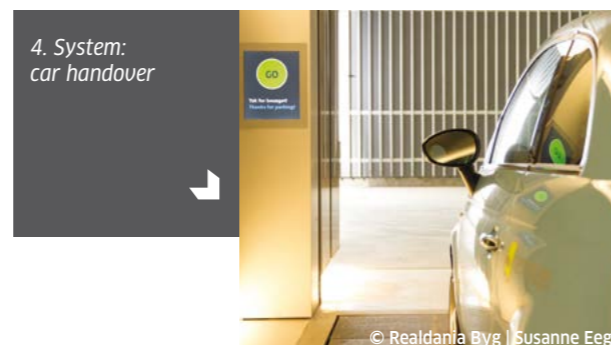
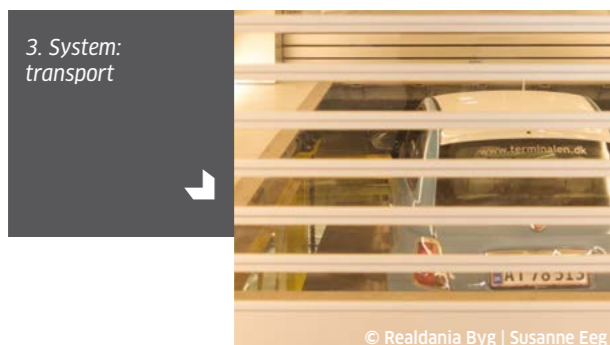
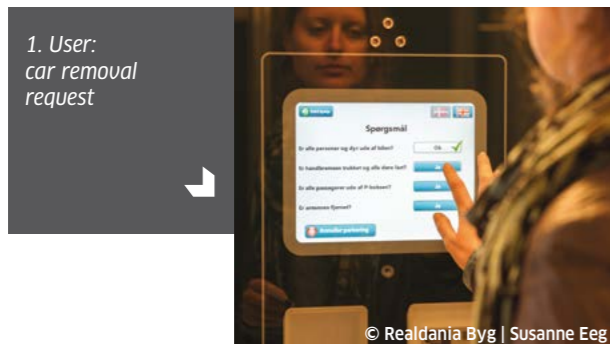


# PARKING AND CAR REMOVAL

PARKING



CAR REMOVAL

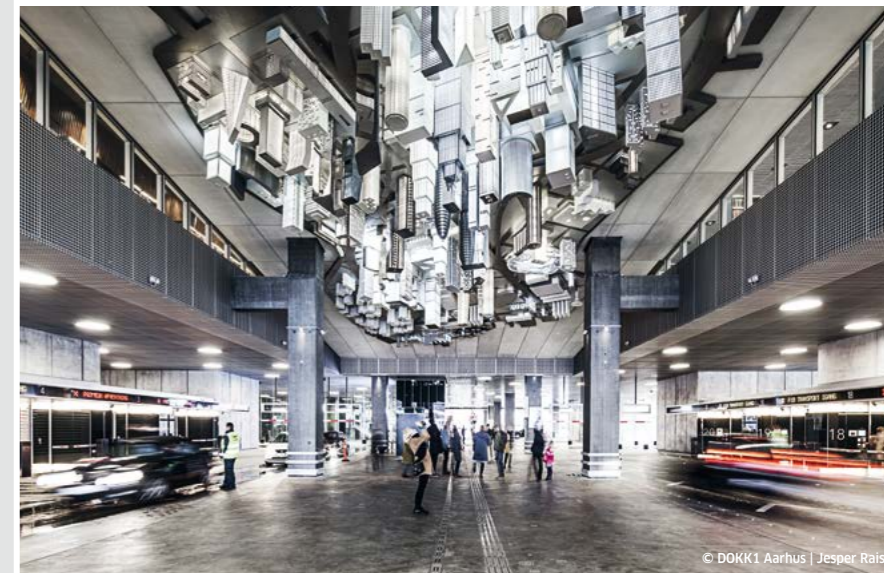


## CUBILE® 1,000 PARKING SPACES FOR DOKK 1

### DOKK 1 – Reclaiming urban living space.

In 2015, Lödige Industries delivered the automated car park system for the new library and community center “DOKK1” in Aarhus (Denmark). The high number of public parking spaces was only possible due to the speed and efficient space-usage of the robot-based CUBILE® parking system.

Since the opening of the award winning building designed by Schmidt Hammer Lassen more than a million cars have been parked.



## RESPACE® AUTOMATED ROBOTIC PARKING IN LONDON

Lödige Industries' pallet-based parking system RESPACE® provides an innovative and space-saving solution for this prestige property. Today's cars are bigger, heavier, and more and more often electric. We are responding to this development with a major update of its pallet-based technology. Among other things, we have increased the load capacity of the automatic parking solution to 3 tons, adapting the equipment and drives as well as expanding charging technology for electric vehicles.



## LONG-TERM SYSTEM RELIABILITY LÖDIGE SERVICE

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 machines as well as for complex automated systems. This ensures the reliable operation of your systems at the lowest possible cost. This includes the machines or systems of other manufacturers.



24/7 Service,  
Customer  
Care Centre



### Maintenance

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



### Customer advice

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.



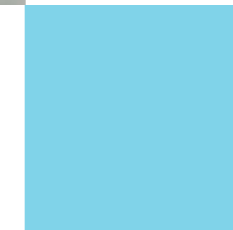
### 24/7 remote-control service

In order to reduce the cost of the local service monitoring and to increase system availability, Lödige Industries offers 24/7 remote monitoring for automatic parking systems. Errors in the system can be detected quickly via remote diagnosis and in many cases corrected directly from the control center without having to resort to a local technician.



Parking system,  
Inspection

Over time, the requirements on a machine or system may change. We are happy to assist in extending your system or changing to new technologies. We have extensive experience in the extension and modernisation of machines or systems, even during ongoing operations.



Car lift,  
Maintenance





TRAFFICO®  
Garage Zenith SA,  
Sion,  
Switzerland



PEGASOS®,  
apartment building,  
Königstein,  
Germany

Car Park System  
CUBILE®,  
DOKK1, Aarhus,  
Denmark



© Realdania Byg | Susanne Eeg

## TECHNOLOGY AT THE HIGHEST LEVEL

For more than 50 years we have been offering a variety of parking solutions. Our customers benefit from our brought spectrum of product know-how. We are looking forward to finding the right solution for you!

### CURRENT REFERENCES:

- PEGASOS®: Apartment building, Königstein, Germany
- PEGASOS®: Luxor Bensheim, Hessen, Germany
- CARRICO®: private building, Cologne, Germany
- TRAFFICO®: CarLoft GmbH\*, Berlin, Germany
- TRAFFICO®: Münchhaldeneck, Zürich, Switzerland
- TRAFFICO®: Garage Zenith SA, Sion, Switzerland
- TRAFFICO®: Wildbachstrasse, Zürich, Switzerland
- VERTICAR®: private Residence, Moeskroen, Belgium
- Car Park System: private facility, Berlin, Germany
- Car Park System CUBILE®: DOKK1, Aarhus, Denmark
- Car Park System CUBILE®: BLOX, Kopenhagen, Denmark
- Car Park System CUBILE®: SSR, München, Germany
- Car Park pallet System: Herengracht, Amsterdam, Netherlands
- Car Park System RESPACE®: Fitzjohn, London, UK




## GLOBAL PRESENCE - LÖDIGE INDUSTRIES



■ References  
■ Worldwide locations of Lödige Group

Founded in 1948, Lödige Industries is headquartered in Warburg, Germany. Today we have more than a thousand employees in Europe, Asia, the Middle East and the United States. Since our inception, we focus on enabling our customers to move heavy goods efficiently, accurately and reliably.

As a global intralogistics solutions provider we have maintained the traditions and values of a family-owned company and take pride in the relationships of trust and mutual respect we have built with our customers, partners and employees. Supplying plant engineering for logistics, we aim to achieve maximum quality in all areas.

-  **CAR PARK SOLUTIONS**  
Innovative parking and last mile delivery solutions for urban living spaces.
-  **AIRPORT LOGISTICS**  
High-performance logistics solutions from the market leader.
-  **INTRALOGISTICS**  
State of the art systems for automated handling of goods and merchandise.
-  **LIFT SOLUTIONS**  
High-performance lift solutions for goods and passengers.
-  **LIFE-CYCLE-SERVICE**  
Global excellence in service, support and maintenance.



