LODIGE INDUSTRIES

LIFT SOLUTION
CARRICO®
TRAFFICO®

TECHNOLOGY IN MOTION

LÖDIGE INDUSTRIES

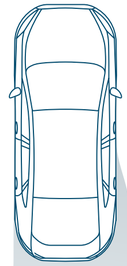
EXPERTISE FOR PARKING ARCHITECTURE

Lödige Industries is one of the world's leading providers of intelligent logistics solutions and modern lift systems. With more than 1,300 employees in over 20 countries, we have been developing technologies for over 75 years that rethink movement – reliable, efficient and future-oriented.

Our ambition: smart systems that move heavy loads effortlessly and make spaces optimally usable. Our expert teams develop solutions that go far beyond the classic lift – from compact car lifts to fully automated material flow systems. Always tailored to the individual requirements of our customers.

Our car lifts create valuable space where it matters most. They transport vehicles between levels in a space-saving manner – ideal for residential and commercial buildings where every square metre counts. Complex ramps and wide access roads become unnecessary.

With TRAFFICO® and CARRICO®, we offer solutions that are intuitive to operate, highly reliable and designed for contemporary architecture. From the first idea to commissioning, we support each project as a partner – to provide parking solutions that perfectly fit your building and planning needs.



The compact design enables optimal utilisation of space.

Ideal manoeuvring curve

TECHNOLOGY IN MOTION

The TRAFFICO® (pictured above) and CARRICO® car lifts transport vehicles and their passengers safely and comfortably to the desired parking level. The required travel height and number of stops determine which solution is the most suitable.

OUR EXPERTISE

YOUR ADVANTAGE

More space, more comfort, more design freedom: our car lifts combine efficient space utilisation with modern technology. Compact shaft dimensions enable up to 30 m² of additional space and allow full use of the underground car park.

Accessible, flexibly plannable and equipped with intelligent access control, they meet the highest standards of design, functionality and safety.

Your Benefits:

- Space-saving system
- Up to 30 m² additional usable area
- Full utilisation of underground parking space
- Low headroom for easy integration
- Shallow pit reduces construction effort
- Accessible, comfortable use
- High user-friendliness
- Flexible planning for various building types
- Increased safety through controlled access

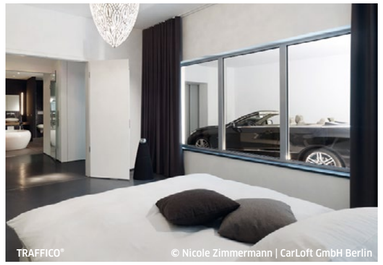
SAVE SPACE

GAIN COMFORT AND SAFETY

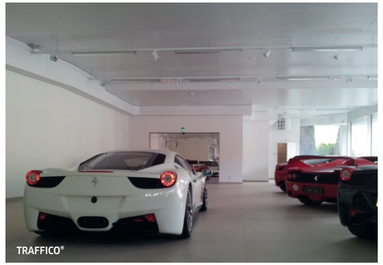
TRAFFICO® and CARRICO® transport vehicles comfortably and reliably to any parking level – without a ramp. The resulting space efficiency enables up to 30 m² of additional usable area and expands architectural possibilities: for living space, green areas or functional extensions.

Beyond space optimisation, our systems offer a high level of safety. Vehicles, bicycles, motorcycles and users themselves reach the parking space protected and independent of weather – outside the public realm.

Intuitive operation and modern sensor technology ensure risk-free transport. A car lift not only creates space but transforms the underground car park into a contemporary, safe and efficient environment.



TRAFFICO® © Nicole Zimmermann | CarLoft GmbH Berlin



TRAFFICO®

© Bauwerke GmbH | CarLoft GmbH Berlin®

© Lödige Industries | AMG Brand Center Hamburg

The all-black CARRICO®: perfectly styled to match the AMG design language.

TRAFFICO®: For Dynamics and High Throughput

When projects require high speeds, efficient workflows and maximum capacity – such as larger residential complexes, office buildings or high parking volumes – TRAFFICO® is the ideal solution. Its higher rated speed ensures short waiting times and smooth traffic flow. The powerful choice for demanding projects and large travel heights.

CARRICO®: Efficient, Compact and Planning-Friendly

CARRICO® is ideal for lower travel heights such as underground garages and for projects with moderate parking demand – e.g. single-family homes or smaller commercial properties. Its optimised design reduces space requirements and connected load while offering full comfort and modern technology–economical, space-saving and flexible.

APPLICATION AREAS

FOR DIFFERENT BUILDINGS AND CONCEPTS

CARRICO® and TRAFFICO® can be integrated flexibly into a wide variety of building types:

- Single-family homes
- Multi-family residential buildings
- Mixed-use residential and commercial buildings
- Office buildings
- Hotels

A car lift not only ensures comfortable vehicle transport, but also increases building security: The airlock function prevents unauthorised access, and optional integration into the intrusion detection system (IDS/EMA) provides additional protection against break-ins. This allows you to create valuable space and transform any underground car park into a secure and architecturally attractive environment.

Types of Use:

A car lift is not only space-saving and safe, but also extremely versatile. It reliably transports different loads and adapts perfectly to the requirements of your building:

- Cars
- Bicycles & cargo bikes
- Motorcycles
- Pushchairs
- Janitorial services (waste containers, equipment)
- Persons

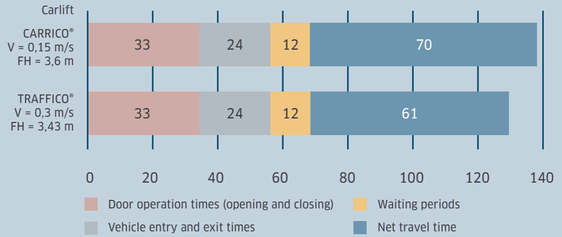
The system optionally allows user-specific selection: For rented parking spaces, for example when used for bicycles, only one door half opens to prevent unauthorised use.

How It Works:

1) Request the lift
2) Doors open automatically
3) Drive in until STOP signal
4) Switch off engine
5) Doors close automatically
6) Automatic travel (from 3 stops: select destination floor)
7) Doors open
8) Drive out
9) Doors close automatically
10) System ready for the next trip

For bicycle use, destination selection is always made via the cabin operating panel.

Cycle Times



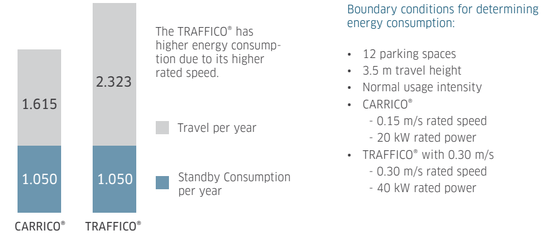
Efficiently planned – intelligently engineered

For lifting heights of up to approximately 6 m, a lower travel speed is advisable. Pure travel time accounts for only 46–51% of the entire cycle; door movements, driving in and out, and waiting periods make up the majority. Lower speeds reduce energy consumption and connected load – without compromising throughput. Wider doors make entry and exit easier and simultaneously shorten the duration of each cycle. For greater lifting heights or a high number of parking spaces, a higher speed is recommended. Both systems offer suitable configurations for these requirements.

COMPARISON

CYCLE TIMES AND ENERGY

Energy Consumption (kWh)



Transparent and Planning-Secure

- Standby consumption: approx. 1,000–1,100 kWh/year
- Higher speeds = higher power demand & consumption
- Reduced rated speed → approx. 20% energy savings for low travel heights
- Additional savings through lower connected load

Normal Usage Intensity

- 1 parking cycle per parking space per day
- +0.5 trips for bicycles, waste containers, janitorial services

ACCESS OPTIONS

INTUITIVE AND SAFE

Smartphone App Control

Through integration of a third-party smartphone app, users can request the lift conveniently and contactlessly. The integrated user management system allows definition of user groups, management of access rights and flexible adaptation of permissions–efficient and cost-effective in operation.

More about the
Smartphone App Control

Radio Remote Control

Car lifts can be equipped with a radio remote control that allows users to call the lift directly from the vehicle. The radio connection ensures secure and stable communication with the lift control system. The number of transmitters can be defined per project and expanded at any time.

Ceiling Pull Switch

For quick and straightforward operation within the underground car park, the system can be operated via a ceiling pull switch. The call is triggered directly from the vehicle position – ideal for motorcycles, bicycles or situations where hands are not free. Positioning is project-specific at an ergonomically suitable point.

Call via Landing Operating Panel

Landing operating panels are installed on every floor as standard. In outdoor areas, they are designed with splash water protection (IP54), and the call button is operated via a key switch. Using the panel, the lift can be summoned to the corresponding floor.

License Plate Recognition

We provide a simple interface for license plate recognition. Customer-supplied recognition systems can activate our control unit directly via a volt-free (potential-free) contact – flexible to integrate and straightforward to implement.

Integration of Customer-Provided Card Readers

Customer-provided card readers can be integrated for access control, either for authorising travel commands or in combination with an intrusion detection system (IDS/EMA). Installation can be external or inside the cabin depending on the project. All interfaces, signal types and cable requirements (e.g. Cat-7) are coordinated during project planning. On request, call separation can be configured – e.g. differentiating between car and bicycle use.

Integration into Safety and Intrusion Detection Systems (EMA)

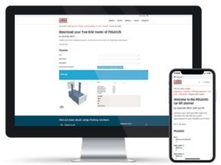
The lift can optionally be integrated into the customer's safety concept and connected to an existing IDS/EMA. Preconditions include alignment of processes, requirements and interfaces during planning. It is assessed whether additional intruder protection is required at access points. Signal exchange occurs solely between the IDS and the lift; control of the IDS itself is not performed by the lift. Release for use is always provided by the IDS. Customer-provided access control systems (e.g. card readers) can be incorporated into the overall concept.

TECHNICAL DATA

FACTS & PLANNING AIDS

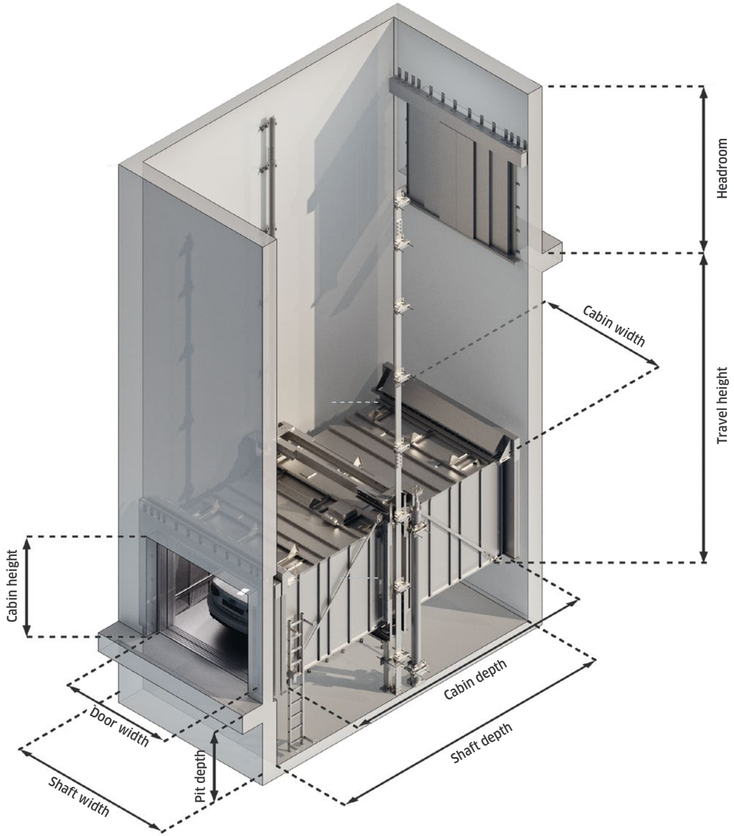
The planning guide contains all relevant specifications regarding space requirements, technical parameters, interfaces and safety considerations – ensuring clarity for architects, structural engineers and building services designers.

Scan the QR code to open the planning guide



The online configurator provides project drafts, BIM models as well as CAD, BIM and system specifications for CARRICO® and TRAFFICO®. Supported formats: AutoCAD, REVIT, DXF, IFC

Scan the QR code to launch the online configurator



	TRAFFICO®	CARRICO®
Rated speed	**0.2 – 0.6 m/s**	**0.15 m/s**
Pit depth	**1,250 mm (standard) – reduction possible**	**850 – 1,250 mm (standard) - reduction possible**
Rated load	**max. 5,730 kg**	**max. 4,200 kg**
Headroom	**min. 3,350 mm – depends on travel height, reduction possible**	**min. 2,700 mm – depends on travel height, reduction possible**
Regulations	**Lift Directive 2014/33/EU and DIN EN 81-20**	**Machinery Directive 2006/42/EC and DIN EN 81-41**
Travel height	max. 25 m	max. 25 m
Cabin width	2,500 – 3,000 mm	2,500 – 3,000 mm
Cabin depth	5,500 – 7,000 mm	5,500 – 7,000 mm
Cabin height	2,100 mm (standard), up to 2,300 mm possible	2,100 mm (standard), up to 2,300 mm possible
Number of stops	2 – 8	2 – 8
Number of accesses	2 – 16 (stacked or opposite)	2 – 16 (stacked or opposite)
Shaft width	Cabin width + 800 mm	Cabin width + 800 mm
Shaft depth	Cabin depth + 800 mm	Cabin depth + 800 mm
Axle load	60% of rated load	60% of rated load
Control system	Push-button control with microprocessor technology featuring comprehensive control functions	Push-button control with microprocessor technology featuring comprehensive control functions
Drive system	Hydraulic unit with pump-motor submersible assembly, hydraulic direct or indirect	Hydraulic unit with pump-motor submersible assembly, hydraulic direct or indirect
Operating modes	Fully automatic travel (2 stops) Automatic travel (from 3 stops upwards)	Fully automatic travel (2 stops) Automatic travel (from 3 stops upwards)
Sound insulation	Two sound insulation packages available	Two sound insulation packages available
Passenger transport	Permitted. Use with cars, motorcycles, bicycles and/or individual persons is allowed.	Permitted. Use with cars, motorcycles, bicycles and/or individual persons is allowed.

UPTOWN
ROTTERDAM

EQUIPMENT &
SPECIAL OPTIONS

Our hydraulic car lifts are equipped with a comprehensive technical package as standard. Numerous options are available to adapt the lift perfectly to building requirements, usage scenarios and comfort expectations.

Standard Equipment

- Preparation of workshop drawings
- Two cabin control panels
- Radar motion detector at each access
- Traffic light system per access
- Landing operating panels on every level
- Key switch for outdoor access
- Lift cabin made of Sendzimir-galvanised sheet steel
- Support frame, drive unit and cylinder
- 6-part telescopic sliding doors with zinc-magnesium surface
- Drive with soft start (energy-saving)
- Cabin lighting
- Emergency call system
- Single-row hardwood bumper rails
- Car detection / positioning
- Automatic or fully automatic travel
- Multi-use (car, motorcycle, bicycle, janitorial services)
- Cabin floor made of primed chequer plate
- Static fire control
- Energy-saving functions (e.g. light cut-off)

Options

- Reduced headroom / reduced pit depth
- Remote maintenance / remote access
- Call via transmitter, app or ceiling pull switch
- Key safe
- Cabin painting or powder coating
- Sound insulation packages I & II
- Machinery cabinet
- UPS for automatic emergency lowering in case of power failure
- Winter package (door sill heating & tank heating)
- Oil cooler
- Fire-rated doors according to DIN 81-58
- Assembly gantry
- Alternative cabin floors:
  - Aluminium profiles
  - Aluminium chequer plate
  - Stainless steel chequer plate (V2A)
  - 2-component anti-slip coating
- Higher rated speeds
- Trip counter
- Door selection
- Double-row bumper rails (hardwood)

MORE THAN TECHNOLOGY

SERVICE THAT MAKES THE DIFFERENCE

Lödige Industries offers tailored service solutions for reliable, economical and long-term safe operation of your system. Our international service network – 24/7 coverage in Germany, Luxembourg, the UK and Switzerland – ensures rapid response times, even for third-party systems.

With decades of experience, we modernise systems during ongoing operations and support operators without interrupting daily business.

Technical Quality & Reliability

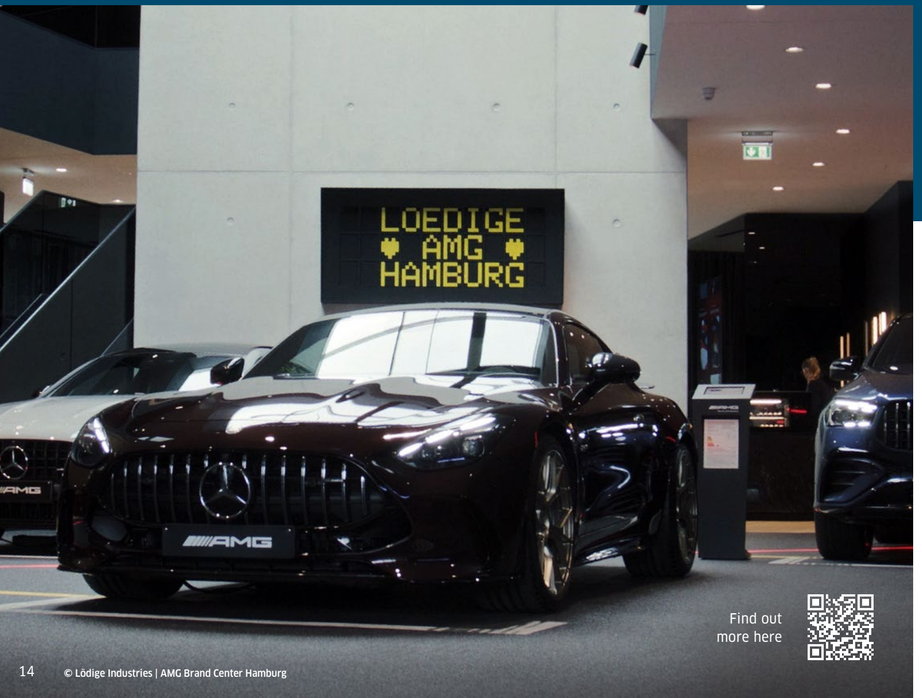
- Robust, durable components
- TÜV- and type-certified systems
- Integration into new and existing buildings
- Experienced installation teams
- Energy-efficient control and drive technology
- Future-proof thanks to updatability & spare parts guarantee

Service That Sets Standards

- Hundreds of projects across Europe
- High customer satisfaction in residential buildings, hotels and car parks
- 24/7 emergency hotline
- Full-service packages for cost transparency
- Professional training for users and lift attendants

REFERENCES

WE LOVE WHAT WE MOVE



Find out more here

© Lödige Industries | AMG Brand Center Hamburg

True automotive excellence allows no compromise. We don't just design and realise car lifts – we create seamless solutions that unite vehicle, architecture, and experience.

Tobias Alfes,
Sales, Lödige Fördertechnik

In the new Mercedes AMG Brand Center in Hamburg, an integrated CARRICO® car lift ensures a seamless and highly comfortable vehicle flow – perfectly aligned with the performance brand's identity.

The custom all-black design echoes AMG's powerful aesthetic, creating a bold and brand-fit statement within the showroom.

Thanks to the integrated car lift, visitors and customers enjoy maximum comfort and exclusivity. Vehicles are moved effortlessly between levels by staff, providing the perfect setting for premium presentation.

CARRICO®

In this contemporary multi-family residence, the CARRICO® impresses with its exceptionally compact shaft dimensions. The innovative solution creates valuable parking space within a minimal footprint – comfortable, efficient and perfectly suited for urban living concepts.

Cabin (L × W)
5,800 x 2,800 mm
Rated load
3,500 kg
Travel height
6,490 mm
Pit depth
400 mm
Rated speed
0.15 m/s

TRAFFICO®

In this premium multi-family residence, the TRAFFICO® car lift integrates seamlessly into the high-end architectural design. With its elegant appearance and efficient technology, it was the perfect solution for the highest standards in comfort and aesthetics.

Cabin (L × W)
5,660 x 2,800 mm
Rated load
4,500 kg
Travel height
4,470 mm
Pit depth
1.065 mm
Rated speed
0.30 m/s

CARRICO®

Near the river, the CARRICO® mastered a unique challenge: Despite a high groundwater level, the car lift was realised with a pit depth of only 345 mm – an impressive demonstration of maximum flexibility and technical precision.

Cabin (L × W)
5,680 x 3,000 mm
Rated load
3,600 kg
Travel height
3,080 mm
Pit depth
345 mm
Rated speed
0.15 m/s

LODIGE INDUSTRIES

We are happy to support you throughout the entire planning, installation and operational phase of your lift solution. Whether new construction, existing building or modernisation project – we look forward to hearing from you.

Let's start a new project together!

Find the right contact person now:

www.lodige.com

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