



FOCUS ON  
ARCHITECTURE

*Since Stonehenge, architects have always been  
at the cutting edge of technology. And you can't separate technology  
from the humanistic and spiritual content of a building.*

Sir Norman Foster



Central courtyard of *Marina One*, Singapore

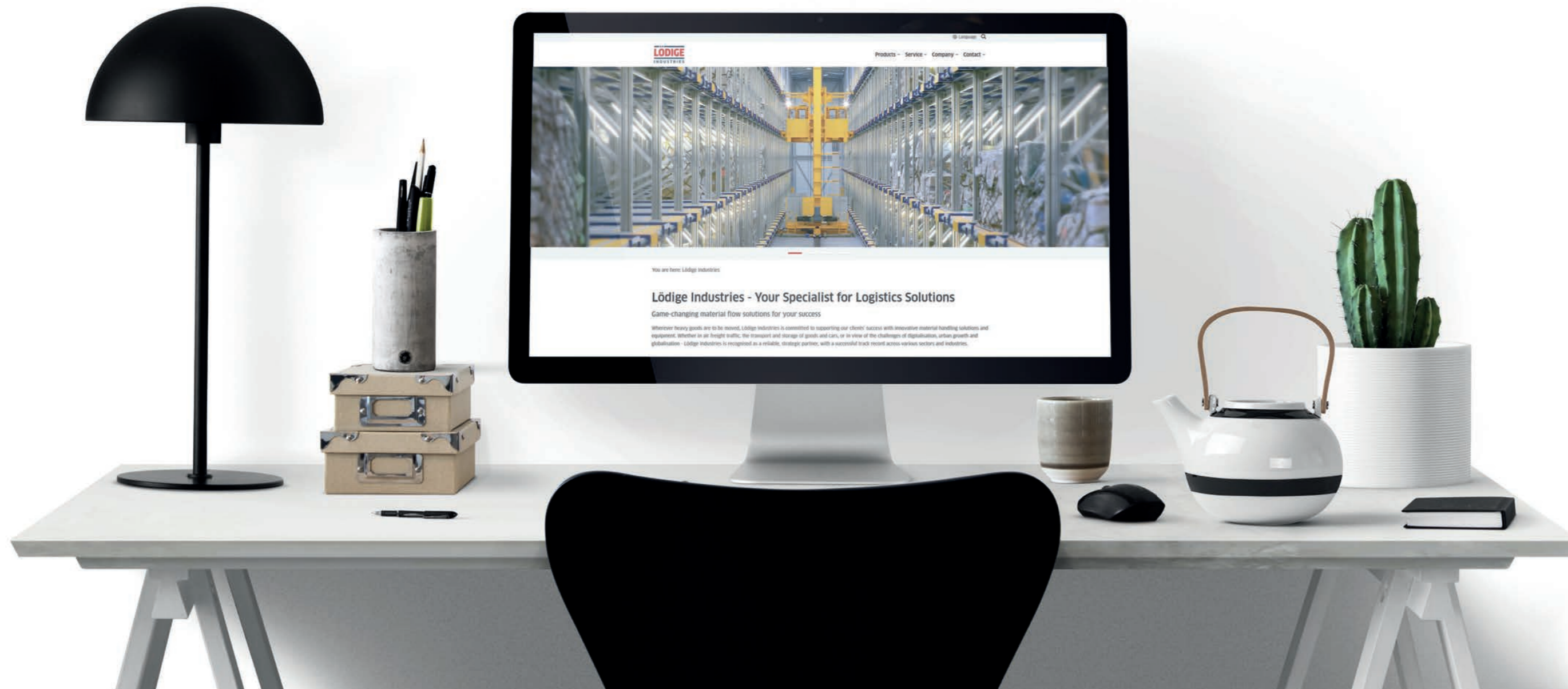
More than half of the world's population already lives in urban centres. An additional 2.5 billion people are expected to join them by 2050. Urbanisation creates significant land use, infrastructure provision and pollution prevention challenges for architects, planners and engineers all over the world.

***As a company of engineers, Lödige Industries seeks to address urban and other challenges through technology.***

Simply put, our solutions enable the movement and storage of heavy goods in urban residential or commercial areas. But, as the selection of projects explored in this volume show, each one, from individual goods lift to lorry lift and complex automated parking systems, also represents an answer to the challenges of urbanisation: saving space where it is at a premium, facilitating access in ever denser urban areas and reducing pollution.

The variety of technologies applied and the diversity of locations shown belie a common objective: maximising the value of the built environment. Over the course of our more than seventy years' history our contribution to this has always been two-fold: enabling operational performance and enhancing quality of life. Many of the following projects are preeminent examples of urban architecture and planning addressing urban development issues of today. All of them, from Scandinavia's largest library to Dresden's oldest museum or Sydney's newest residential skyscraper, make a promise to those who enter. Whatever that promise may be – entertainment, education or peace and quiet – the technology delivered by Lödige Industries is designed to enable it.

***We are grateful to our clients and partners for the opportunity to support them in their endeavours and for allowing us to share this information here.***



- 06 | 07 BLOX
- 08 | 09 UPPER EAST
- 10 | 11 BLOEMSTRAAT
- 12 | 13 NUREMBERG OPERA HOUSE
- 14 | 15 THE EDDY
- 16 | 17 UP:TOWN
- 18 | 19 MIZAL - VISIONS ON CAMPUS
- 20 | 21 STADSSCHOUWBURG AMSTERDAM
- 22 | 23 DOKK1
- 24 | 25 SEMPER GALLERY
- 26 | 27 ST. CHARLES MARKET
- 28 | 29 FUTURIUM
- 30 | 31 HET RODE KASTEEL
- 32 | 33 WEST LONDON AUDI
- 34 | 35 565 BROOME SOHO
- 36 | 37 MARKET HALL ROTTERDAM
- 38 | 39 THE LENNOX
- 40 | 41 CITY HALL ALMELO
- 42 | 43 88 WAREHAM
- 44 | 45 MARINA ONE
- 46 | 47 ABOUT US



In December 2017, we handed over the 352 parking spaces robotic parking facility at *BLOX* in the centre of Copenhagen. The building was officially opened in May 2018 by *Queen Magarethe of Denmark* and is the home of the *Danish Architecture Center (DAC)*. Located in the centre of town, where parking spaces are at a premium, the robotic parking system ensures that the building can easily be accessed by the public without affecting traffic in the surrounding area.

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Location	Copenhagen, Denmark
Architect	OMA Architects
Client	Realdania By & Byg
Completion	2017

Product	Fully automated car parking system
Technology	CUBILE

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BLOX

# UPPER EAST



Upper East is a residential construction project in the high-profile Citypark development area of Karlsruhe with 145 freehold apartments, three commercial units and an underground car park. In four-story buildings, 24 of the loft apartments are equipped as so-called CarLofts with car lifts and loggias for parking the car on the apartment's own balcony.

Location	Karlsruhe, Germany
Architect	Archis Architekten + Ingenieure
Client	Immobilien und Hausverwaltung Weiß e.K.
Completion	2012
Product	Car lift
Technology	TRAFFICO



Picturesque *Bloemstraat* is located in the very heart of Amsterdam. *Bloemstraat 45* consists of 24 apartments and three business spaces. The automated car park with 15 parking spaces was completely overhauled by us in 2015. The parking system now has state of the art user interface and software systems and improved retrieval times.



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Location	Amsterdam, The Netherlands
Client	V.V.E. Parkeergarage de Mennoniet
Completion	2016 (Parking system)

Product	Fully automated car parking system
Technology	5BY2

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**BLOEMSTRAAT**



The *Nuremberg Opera House* is one of the largest and most beautiful theatre buildings in Germany. Built from 1903 to 1905 in the Art Nouveau style, the opera house is located in the heart of the old city of Nuremberg. *Lödige Industries* installed a hydraulic lift to enable easy transportation of materials and goods for the theatre, without affecting the charming appearance of the building.

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Location	Nuremberg, Germany
Architect	Heinrich Seeling
Client	Opernhaus Nürnberg
Completion	1996 (Lift)

Product	Scissor lifting table
Technology	Special machine

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In 2015, *Lödige Industries* installed the first automated parking system in Ottawa. It provides parking for 47 cars in *The Eddy* building, a six-storey condo tower. The main challenge of this building was an unconventional footprint requiring a customised parking solution. The 5BY2 pallet-based technology from *Lödige Industries* enabled a maximum of parking slots for this unique building.

Location Ottawa, Canada  
Architect Christopher Simmonds Architect Inc.  
Client Windmill Development Group  
Completion 2015

Product Fully automated car parking system  
Technology 5BY2





# UP:TOWN



*Up:town* is an up-scale apartment building in Rotterdam's oldest harbour area. With spectacular views of the *Wijnhaven* district the building offers 178 apartments and 75 parking spaces enabled by space-saving access via two modern car lifts.

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Location	Rotterdam, The Netherlands
Architect	Jeroen Hoorn
Client	Stebru
Completion	2019

Product	Car lift
Technology	TRAFFICO

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Lödige Industries is providing an innovative hybrid solution for the MIZAL – Visions on Campus project at Düsseldorf's MedienHafen, designed by Eller + Eller. The automated system with 285 spaces will be the largest in Germany and will be made available in conjunction with a conventional underground car park.



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Location	Düsseldorf, Germany
Architect	Eller + Eller Architekten
Client	Codic Development
Completion	2021

Product	Fully automated car parking system
Technology	CUBILE

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# MIZAL – VISIONS ON CAMPUS



In 2009, we installed a lorry lift in this neo-Renaissance style building dating from 1894. The *Stadsschouwburg Amsterdam*, the former home of the *Dutch National Opera* continues to serve as a popular metropolitan theatre. Its location at a busy square at the southern end of Amsterdam's central canal ring, serves as a transport hub in the city, with a number of tram lines intersecting here. The lorry lift installed by *Lödige Industries* ensures this building can continue to function as a centre of the arts, enabling the loading and unloading of heavy theatre equipment despite its central location and picturesque architecture.

Location Amsterdam, The Netherlands  
Architect Jan Springer, Jacobus B. Springer,  
Adolf Leonard van Gendt  
Client Stadsschouwburg Amsterdam  
Completion 2009 (Lift)

Product Scissor lifting table  
Technology LORRY LIFT



# STADSSCHOUWBURG AMSTERDAM



We completed construction on Europe's largest fully automated car park system in 2015. The *DOKK1* building, which contains Scandinavia's largest library, also houses office and retail spaces. Since the summer of 2015, we have parked more than a million cars in the system in Aarhus, Denmark. The average parking and retrieval time is less than 120 seconds.



# DOKK1



Location Aarhus, Denmark  
Architect Schmidt Hammer Lassen Architects  
Client Realdania By & Byg  
Completion 2015

Product Fully automated car parking system  
Technology CUBILE



The *Semper Gallery* from 1854 is one of Dresden's most iconic landmarks and houses the *Old Masters Picture Gallery*. *Lödige Industries* supplied a fully retractable underfloor lifting table to enable easy goods access for the historic building.



# SEMPER GALLERY

Location	Dresden, Germany
Architect	Gottfried Semper
Client	Staatliche Schlösser, Burgen und Gärten Sachsen
Completion	1992 (Underfloor lifting table)

Product	Underfloor lifting table
Technology	Special machine

# ST. CHARLES MARKET



*St. Charles Church* has been a focal point for the surrounding community, serving parishioners and neighbours as spiritual hub and gathering place. A redevelopment, *St. Charles Market*, is a smart collection of horizontal homes and town homes wrapping around the original church structure. The 5BY2 puzzle parking technology provides automated parking for 67 cars accessed via an elegant lobby.

Location	Ottawa, Canada
Architect	Linebox Studio
Client	The Lake Partnership Inc.
Completion	2020
Product Technology	Fully automated car parking system 5BY2

The *Futurium* is Berlin's centre for shaping the future and is located in the heart of the city. The unique building hosts an exhibition with vivid scenarios, an interactive hands-on laboratory, and an event forum. To enable heavy goods being moved between the three floors of the 3200 sqm venue, *Lödige Industries* supplied a 24 sqm goods lift suited to transporting 20 ft containers and up to 14 tons.

# FUTURIUM



Location Berlin, Germany  
Architect Richter Musikowski  
Client BAM Deutschland  
Completion 2019

Product Goods lift  
Technology OLYMPUS



# HET RODE KASTEEL



*Het Rode Kasteel* is considered one of the most beautiful homes in Amsterdam. The house built in 1900 has an area of almost 900 square meters and has a fantastic view over a 47 hectare (120 acres) public urban park. At the time of its last sale, it was the most expensive house in the country, valued at 15 million Euro. Few parking spaces are available in this high end neighbourhood. The automated parking system was the only option for having residential parking for this home and has made a positive contribution to the valuation of the property.



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Location	Amsterdam, The Netherlands
Architect	E. van der Eyk & J. A. de Waal
Client	Het Rode Kasteel B.V.
Completion	2020 (Parking system)

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Product	Fully automated car parking system
Technology	5BY2

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The building represents a contemporary approach to displaying, maintaining and selling vehicles, which is truly 'Vorsprung durch Technik' in form and functionality. It is Audi's intention that the building and cars convey the same spirit of engineered excellence. Lödige's car lift, used for transporting cars between shop floors, is engineered to match.



# WEST LONDON AUDI

Location	London, United Kingdom
Architect	Wilkinson Eyre
Client	Sytner Group
Completion	2008

Product	Car lift
Technology	TRAFFICO



# 565 BROOME SOHO

565 Broome SoHo is the result of a collaboration between Renzo Piano Building Workshop, the Paris interior design firm RDAI and Italian developers Bizzi & Partners Development. Amenities will include a 24-hour concierge and attended lobby, a beautifully landscaped outdoor terrace and the private gated driveway and entrance to the automated parking system. On a footprint of 248 sqm, the system provides space for 42 cars, including charging terminals for e-vehicles. Unusually, the system is located behind glass fronts on the third floor and will be visible from the road.



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Location	New York City, USA
Architect	Renzo Piano Building Workshop
Client	Bizzi & Partners Development
Completion	2020
Product	Fully automated car parking system
Technology	5BY2

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The *Markthal*, opened on the first of October 2014 by *Queen Máxima of the Netherlands*, is a residential building with a market hall underneath, located in Rotterdam. The market hall with a football pitch-sized indoor floor area full of fresh fish, meat and vegetable stalls and delicatessen is served by two underfloor lifts from *Lödige Industries* with a lifting capacity of three tons.



# MARKET HALL ROTTERDAM

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Location	Rotterdam, The Netherlands
Architect	MVRDV
Client	Provast
Completion	2014

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Product	Underfloor lift
Technology	Special machine

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# THE LENNOX

The Lennox promises to deliver hotel-like residential luxury on Sydney's riverfront. Part of the high-class living concept is the fully automated parking system from *Lödige Industries*, which will deliver 373 parking spaces on six levels.



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Location	Sydney, Australia
Architect	Johnston Pilton Walker with Marchese Partners
Client	EQ Projects
Completion	2021
Product	Fully automated car parking system
Technology	CUBILE

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# CITY HALL ALMELO



*Kraaijvanger's* design of Almelo's city hall stands in the green on a new square at the waterfront. The representative functions are located in the low-rise building at the front. Because the towers above have been placed slightly back in relation to the plinth, the building appears to be only three storeys high from the street, so that it fits into the scale of Almelo. *Lödige's* hydraulic car lifts equipped with full glass doors service the two parking levels for visitors and staff in the basement of the building.

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Location	Almelo, The Netherlands
Architect	Kraaijvanger Architects
Client	City Hall Almelo
Completion	2015

Product	Car lift
Technology	TRAFFICO

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88 Wareham is a boutique collection of luxury one and two bedroom condominium residences, located in the SoWa Art + Design District in Boston's vibrant South End neighbourhood. It offers 27 new homes with crafted finishes, a landscaped rooftop terrace and a fully automated parking system for 44 cars by Lödige Industries.

Location Boston, USA  
Architect Brian Healy Architects  
Client Cresset Group  
Completion 2019

Product Fully automated car parking system  
Technology 5BY2

## 88 WAREHAM





Completed in 2017, we installed a lorry lift in *Marina One*, a high density, mixed-use building complex in the heart of Singapore's new *Marina Bay* financial district. The building is iconic for the greening of the inner atrium and has won several awards. *Lödige Industries'* lorry lift enables delivery of goods and removal of waste, out of sight and within the confines of the building itself.



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Location	Singapore
Architect	Ingenhoven Architects
Client	Marina One
Completion	2017

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Product	Scissor lifting table
Technology	LORRY LIFT

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*Lödige Industries* is one of the world's leading suppliers of logistics systems and lifting solutions with more than 1000 employees and subsidiaries in Europe, Asia, America and the Middle East.

For more than 70 years, we have focused on quality, innovation and partnership. Moving, arranging and storing heavy goods permanently and reliably requires special know-how. In response to the individual requirements of our customers, the teams of experts at *Lödige Industries* develop systems ranging from elevators to complex material flow systems that occupy a leading position worldwide.

Using state-of-the-art technology, we guarantee maximum efficiency, long-term competitive advantages and satisfied business partners. Our engineers design sophisticated conveyor technology that is precise and future-proof, easy to operate, particularly efficient and durable. A global network of service centres ensures highest availability. *Lödige Industries* stands for quality, innovation and high-performance logistics solutions worldwide.

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Name	Lödige Industries
Locations	Warburg, Amsterdam, Beijing, Berlin, Bern, Braşov, Copenhagen, Doha, Dubai, Dublin, Frankfurt, 's-Hertogenbosch, Hong Kong, Istanbul, Kuala Lumpur, London, Moscow, Muscat, New York, Paderborn, Riyadh, Singapore, Sydney, Toronto, Zurich
Products	Parking Solutions, Airport Logistics, Lift Solutions, Warehouse & Distribution Solutions, Production Logistics, Service

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Air cargo terminal, Germany



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