

OPTIMIZED  
INDUSTRY LOGISTICS  
WITH MULTICAR

FLEXIBLE  
AND EFFICIENT  
AUTOMATED  
MATERIALS  
HANDLING

The World's Leading

**Industry Logistics**  
Partner



**telelift**  
Innovation for *Logistic* Solutions

## Telelift — Your logistics partner for industrial applications

Pioneering technologies, tailor-made logistical solutions, and a lifetime partnership with our customers are the trademarks of Telelift. Our aim is to provide support for industrial production processes over the long term. Telelift products help your company to achieve greater efficiency and profit.

If you want to succeed in the global market, you need optimum production processes. Effective and economical production plays a key role in all economic sectors, whether it is the automotive or manufacturing industry. In modern industrial production, standardized manufacturing processes and maximum flexibility are essential throughout the process chain, which is why all processes need to interact seamlessly with each other.

High-performance conveyor systems that enable both spontaneous and planned transport make this possible. Conveyor systems are often used in production, assembly, and handling as well as assuming logistical functions in the sorting and commissioning of goods in transport, warehousing, and transfer processes, which make up a major proportion of industrial production processes.

### We are the inventors of MultiCar

The automated, rail-guided MultiCar conveyor system brings transport to your internal logistics. Customer-specific solutions and cost efficiency take center stage when it comes to using MultiCar. Thanks to its modular construction, our cutting-edge transport system can be adapted for integration into any transport processes.

We  
simplify  
transport







# Telelift MultiCar — Many functions with just one technology

- > Horizontal to vertical transport without disruption
- > Horizontal and vertical buffering to compensate for fluctuations in production
- > Horizontal and vertical storage to save space
- > Horizontal and vertical loading and unloading stations
- > Rail switches for distribution of materials in multiple directions
- > Bidirectional transport with regulated speeds
- > Passive and active load-handling attachments
- > Network-compatible, modular control



## Peace of mind with Telelift

- > A total 50 years of experience with well over 1,200 systems installed
- > Your one-stop shop – from the initial concept to system operation
- > Decades of customer satisfaction thanks to first-class support
- > Global service network
- > Distributor all over the world



We  
connect

## Well-structured delivery

Progressive production specializations pose new challenges for internal transport logistics. Complex, often bulky components need to reach the production line "just in sequence," and MultiCar offers a reliable solution. MultiCar, which can also be used for buffering, increases the amount of space, as storage can be freed up for production, and opens up the usual transport routes for other applications.



### MULTICAR – IMPROVES YOUR INFRASTRUCTURE

- > Increases production space
- > Shortens production lines
- > Provides buffering along the transport route
- > Frees up elevator capacity
- > Reduces factory traffic
- > Protects high-quality components from damage
- > Reduces noise
- > Offers a safer alternative





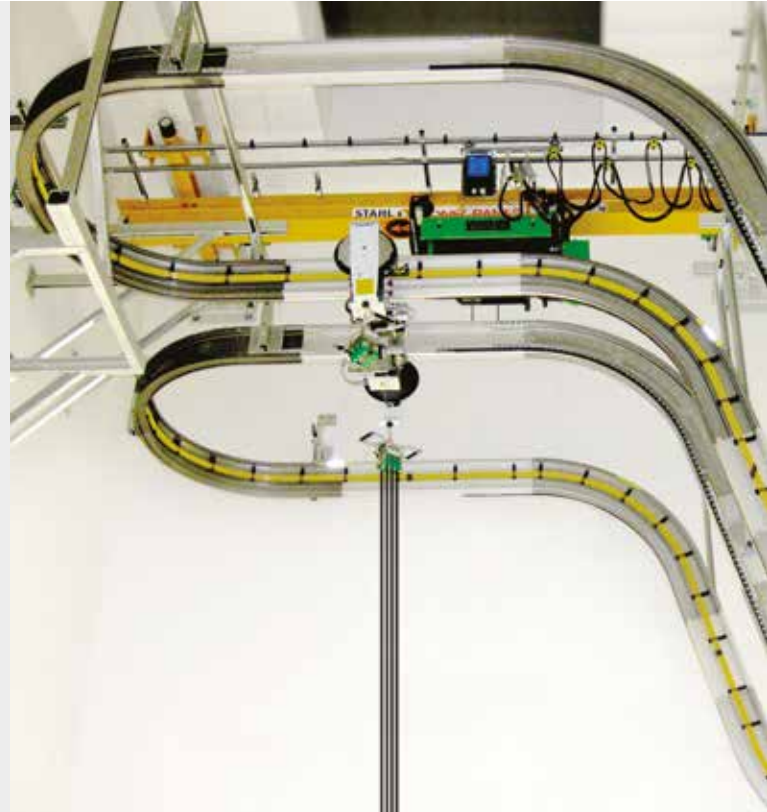


## You have a variety of transport needs — and we have a sophisticated, multi-functional system

MultiCar offers individual, flexible solutions for just about any goods to be transported. By using a whole host of load handling attachments, it is possible to send bulky components, complex modules, containers with small parts, and much more, right to where they are needed.

Thanks to the modular rail technology, MultiCar requires minimal space to transport items in any direction – whether horizontally or vertically.

The flexibility of our MultiCar system makes it simple to adapt to new processes any time, so there is no need for a variety of conveyor systems for different production processes.





## Technology



# MultiCar – high quality and cutting-edge technology ensure sustainability and eco-friendly production

Limited resources, environmental regulations, and increasing energy costs encourage many operators of production systems to invest in long-term solutions and achieve maximum benefits with a single logistics system.

Telelift's solution is the MultiCar concept. With exceptional product quality and nontoxic materials, we promote sustainable production. Should your production process change, MultiCar system elements are 100% reusable.

MultiCar – designed with sustainability in mind:

- > Consumes energy only when transporting
- > Low stand-by costs
- > Brushless motor technology
- > High-quality materials and surfaces for a long service life
- > Extremely low wear and thus requiring fewer replacement parts
- > All system modules are recyclable should the production process change
- > Lead-free machine elements and electrical parts





# Transport

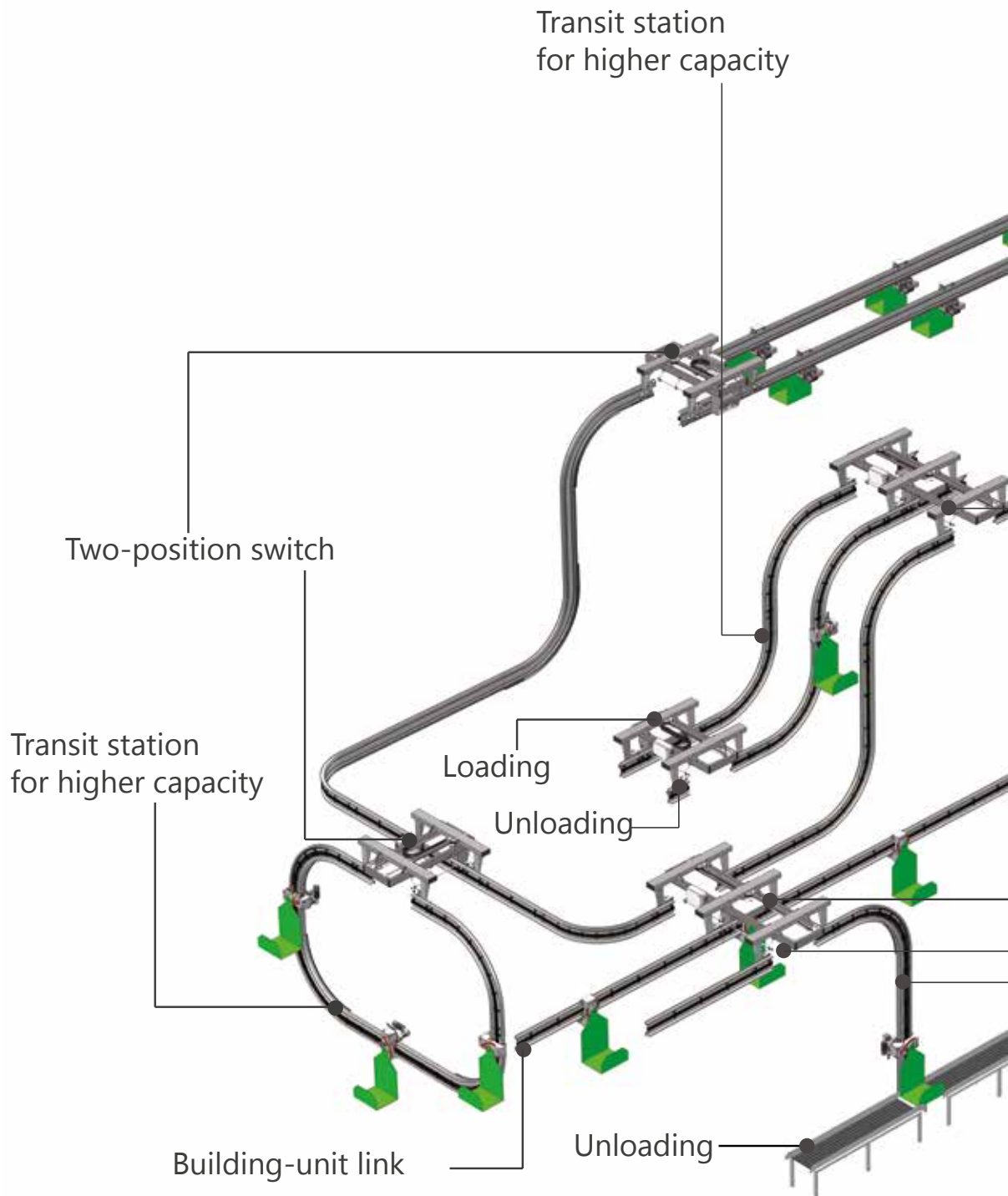


# Solution

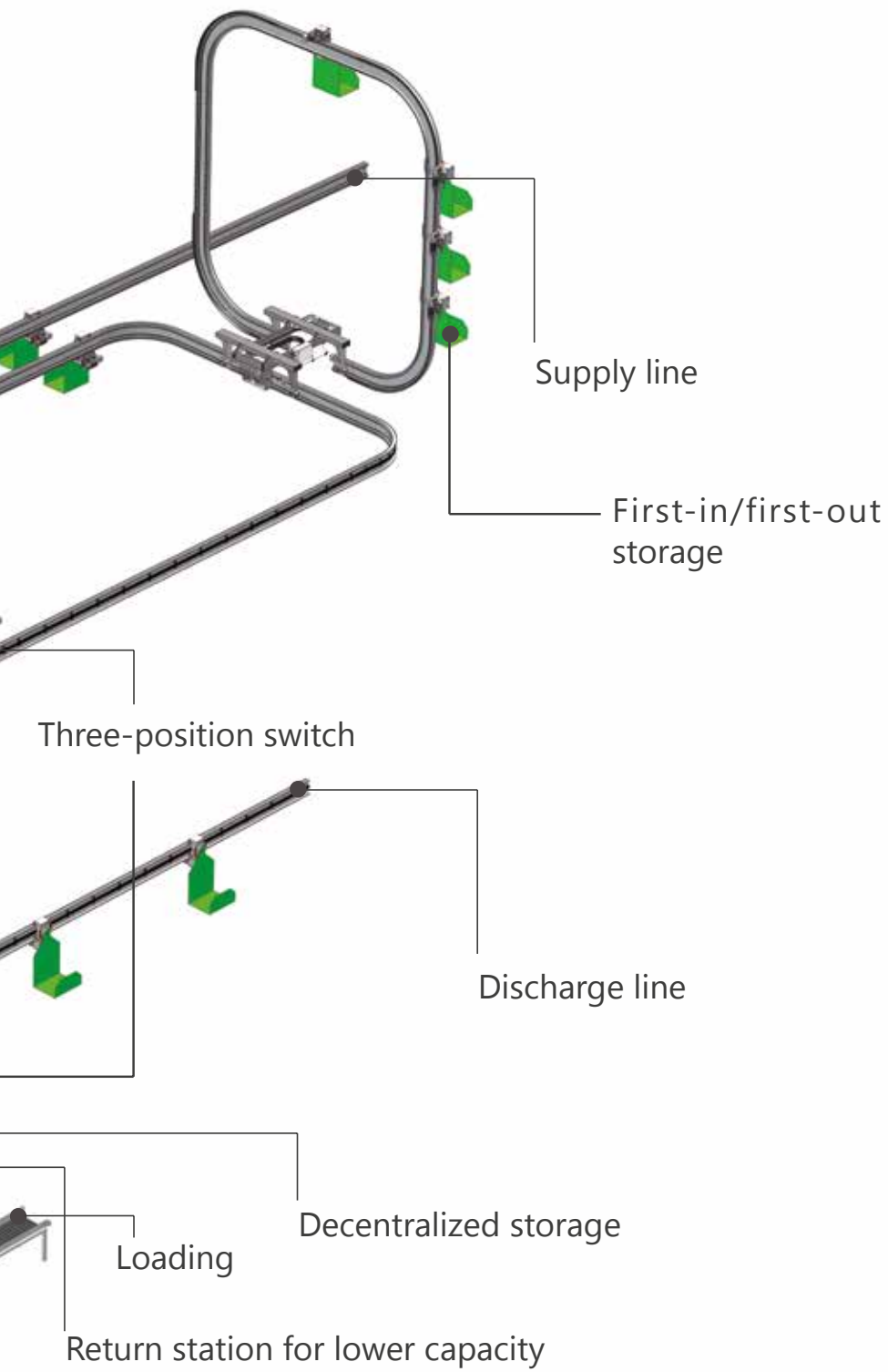


## Telelift always finds a way

MultiCar conveyor systems can be integrated into existing, complex production structures. MultiCar links workstations, assembly areas, warehouses, and even entire building units. The modular rail and switch system allows you to create an internal logistical network that links all production areas and building levels. Thanks to its modular construction, this technology can easily be expanded and, should the production process change, adapted to meet the new requirements.









# MultiCar — few components — one system



## MultiCar chassis

The standard chassis can be combined with a whole host of individual load-handling attachments in order to accommodate all customer applications. Regulated brushless motors ensure appropriate speeds in both directions and precise positioning within the loading station. All containers receive their transport commands from decentralized control panels.



## MultiCar track

Thanks to the modular construction of the track system, almost any imaginable network of routes can be created. Straight track elements and turns for horizontal and vertical changes in direction make the MultiCar system exceptionally flexible. Combined with switch modules, material flows can occur in multiple locations or meet at a single location.



## MultiCar switch

The MultiCar switches allow you to transport materials from a single location in multiple directions. With switches featuring double rails, two-rail routes ensure unobstructed transport and targeted inward and outward transport of containers.



## Control system

The MultiCar system features a cutting-edge, decentralized PLC control system. All active components as well as containers and switches receive control commands via the network. The Teleaf control panel visualizes the entire conveyor system and all its elements. System analysis can be carried out using the control panel or network access. If desired, the Teleaf control system can be integrated into the customer's control and monitoring system. Customer-specific production data can be incorporated.



# Service

## Telelift — Your one-stop shop

Telelift oversees the entire process, from the initial concept to system initiation, and as a lifetime partner as long as the Telelift system is in operation.

### Consulting, Planning, Project management

#### CONSULTING:

An experienced sales team, designers, and control technicians contribute their extensive expertise to the consulting process.

#### PLANNING:

We plan optimum rail routes for your production process and provide customized electrical planning, while taking all regulations into account.

#### PROJECT MANAGEMENT:

Our experienced project managers ensure seamless installation and on-time system implementation. They are your dedicated contact representatives for all issues – from order processing to project completion.



### Replacement parts, maintenance, and training

During system implementation and the start of production, we offer our customers training courses on internal maintenance and servicing. If desired, Telelift service employees can provide maintenance and servicing in line with the customer's requirements. A service network throughout Germany ensures short reaction times in the case of malfunctions, and our helpful customer service team can promptly provide you with replacement parts.



Medical

Library

Industry

Security

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