

ON TRACK FOR THE FUTURE CONVEYOR EQUIPMENT FOR IN-HOUSE MATERIAL TRANSPORT



RAIL-BASED
CONVEYOR SYSTEMS



swisslog TELELIFT

A RAIL WITH MANY DIMENSIONS

UNICAR AND MULTICAR – ENSURING YOUR INTERNAL TRANSPORT OPERATIONS DON'T GO OFF THE RAILS

In manufacturing or the supply industry just as much as in commerce there is a daily requirement for the transport of low-weight goods. In public offices, hospitals and libraries it's no different. Here, too, a lot of time and work goes into the transport of files and mail, medicaments and laboratory samples, books and newspapers. But internal materials handling by in-house personnel causes problems from two different perspectives: often it is not only very cost-intensive but it can lead to delays in other operational processes by tying up staff who are needed elsewhere.

SOLUTION FOR IN-HOUSE MATERIAL TRANSPORT

Automated in-house conveyor systems. These operate economically, never stop and can be flexibly adapted when requirements grow – regardless of whether these arise from increased automation, new and different goods to be transported, or higher capacity requirements.





SWISSLOG-TELELIFT SYSTEMS – ADAPTING PERFECTLY TO YOUR REQUIREMENTS.

Thanks to their flexibility and versatility our UniCar and MultiCar rail-based transport systems are designed for highly effective operation in almost any environment. The Swisslog-Telelift UniCar was developed for the transport of light goods weighing up to 10 kg, while the high-performance MultiCar is designed specially for heavier loads of up to 60 kg and has been tried and tested in the industrial sector.

In both systems the transport containers or customer-specific loads move fast and with little noise through the rail network on a basic carriage. Freely combinable curving, straight and points sections enable individualised routing either horizontally, vertically or overhead. The low weight and minimal space requirements of both systems enable flexible three-dimensional routing, even in suspended ceilings and narrow ducting. The Swisslog-Telelift UniCar and MultiCar systems can be simply adapted to a wide range of conditions and transport operations – providing you with the reassuring feeling that you are ready to meet future challenges.

AVAILABILITY MEANS NEVER EVEN HAVING TO THINK ABOUT IT.

Fail-safe performance is the absolute prerequisite for any conveyor system. You don't realise how important it is until the system comes to a standstill and everything comes to a halt. Our entire technical expertise and experience ensures that this can't happen. Features such as automatic self-testing and continuous vehicle monitoring guarantee the operational reliability of the installation. The well-planned system design enables a transport unit to be removed or added in a matter of minutes. In addition we offer our customers all-round service facilities, while qualified personnel, the latest support resources and a fast spare part supply ensure optimum customer service.

DESIGN OF THE SWISSLOG-TELELIFT SYSTEMS

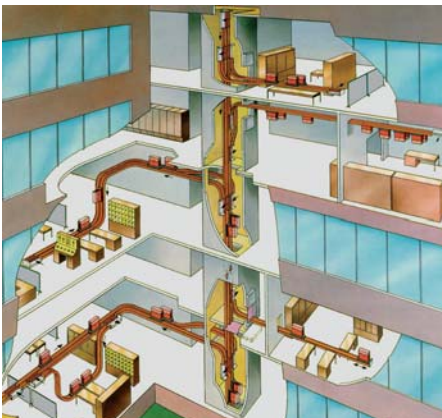


THE TASK DETERMINES THE LAYOUT

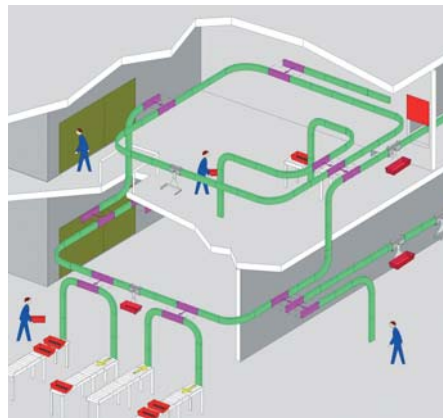
Swisslog-Telelift conveyor systems link up workstations in buildings and production facilities, regardless of the specific architecture. The modular construction of the rail system enables horizontal, vertical and overhead travel – whether integrally planned in new buildings or installed later in existing facilities: Swisslog-Telelift systems solve logistics tasks reliably with the minimum space requirement.

OUR SYSTEMS IN DETAIL

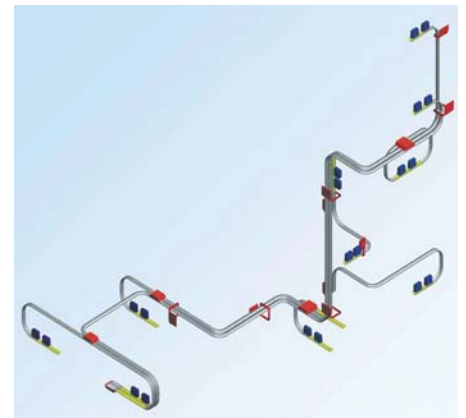
- > Rails, curves and arches for three-dimensional layout design
- > Points for flexible material flows
- > Transit stations or feeding stations, depending on the required throughput
- > Automatic or manual feed and removal of freight
- > Reserve capacity for fast availability of containers
- > Approved fire protection for crossing fire section boundaries



UniCar installation in a public administration building



MultiCar in industrial assembly operations



UniCar in the hospital

FAST AND SAFE: SOLUTIONS FOR OFFICES AND AIR CARGO CENTERS





UNICAR ACCELERATES YOUR PROCESSES

In offices and air cargo centres short delivery times and transport operations at short notice without messengers are becoming increasingly important. UniCar makes sure that your documents reach their destination safely and securely – ending unnecessary journeys and waiting times once and for all.

UNICAR DELIVERS YOUR DOCUMENTS SECURELY

In the case of valuables, confidential files or data media it's not enough to get them from A to B quickly. In banks, air cargo terminals, public authorities working under strict security conditions any manipulation during transport must be reliably excluded.

The SecureMail system developed by Swisslog-Telegift checks and administers the authority of all approved users to send and receive documents. Electronic locking of the container lids protects against unauthorised access during transport. The result is a transport chain which is logged from start to finish and meets the most stringent security requirements.



100 % PRECISION DELIVERY WITH ADAL®

Depending on the application UniCar can be equipped with the automatic AutoDropAutoLoad (ADAL) function. ADAL® ensures that the containers are automatically loaded with the goods to be conveyed and unloaded again at the destination point. The goods slide into special containers, which lightens the workload of the personnel involved and increases the availability of the conveyor system.

KNOWLEDGE TRANSFER IN PRACTICE: SOLUTIONS FOR LIBRARIES





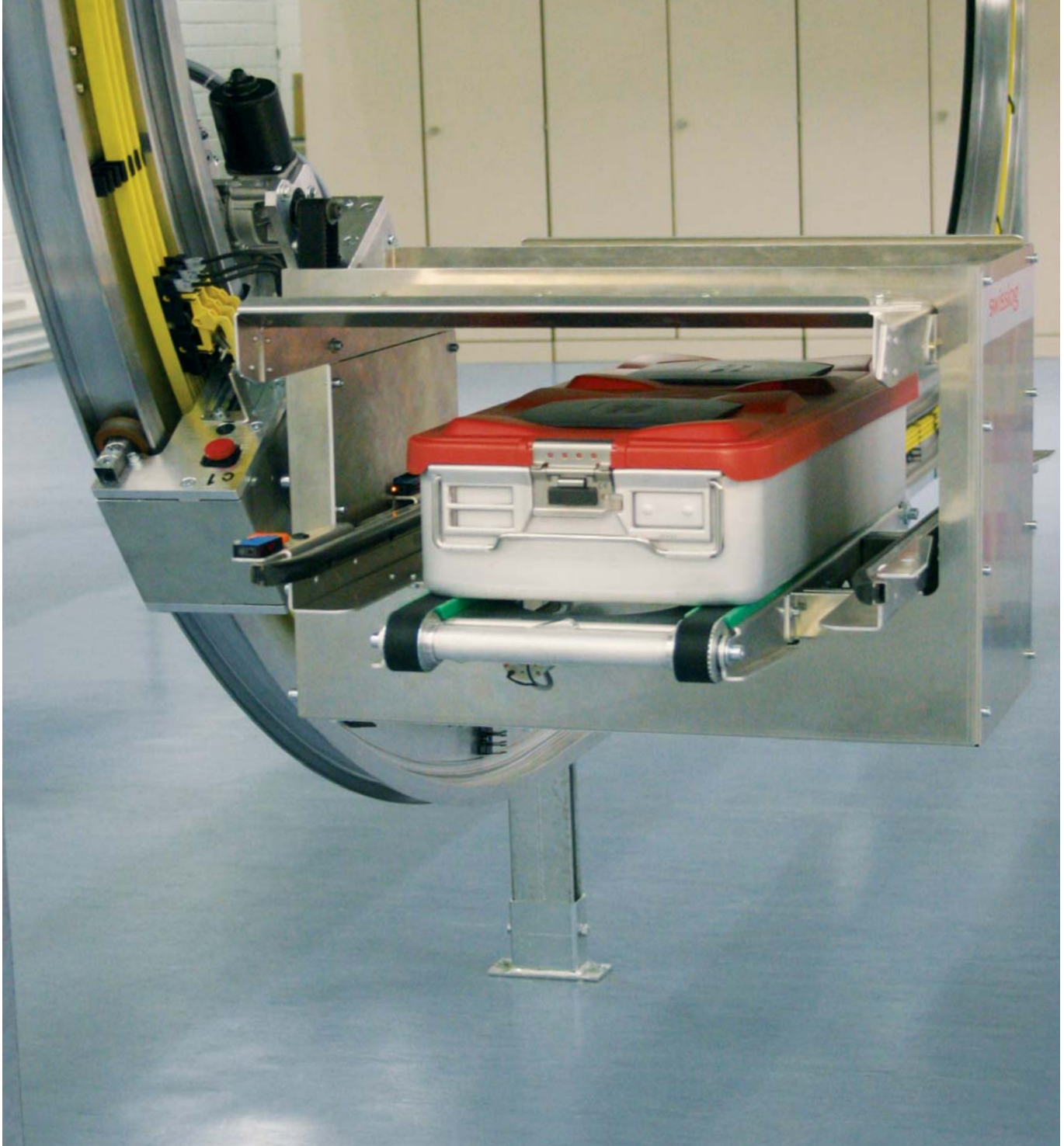
UNICAR SPREADS KNOWLEDGE

Modern libraries with rapidly rising stocks of media of all kinds depend on rapid handling operations. The UniCar system provides a fast link between individual locations such as the store room and the reading room and really accelerates the processing of orders. The continuous transport chain means that returned media are available again more quickly. Jams and unnecessary peak loads caused by the return of materials to the store rooms in batches are avoided. The flexibly extendable transport capacity guarantees minimum delivery times and considerably reduces waiting times in library operations.

UNICAR, THE MEDIA EXPERT

Containers which are specially developed for library requirements transport not only books and magazines but also data media such as CDs and DVDs – safely and securely. Thanks to the rotatable suspension of the shuttle container the contents remain horizontal at all times during travel – even on vertical sections, looping stations or suspended lines. In addition lockable containers are available for especially valuable books. And our XL transport containers are ideal for outside volumes of collected newspapers, atlases etc. The rail system can be adapted flexibly to any kind of routing and requires only minimal space. Even special construction regulations which apply to historic buildings, for example, are fulfilled. The system can be expanded at any time as book stocks rise. To ensure that libraries remain a temple of peace and quiet even when large quantities of books and media are handled, we have developed UniCar for extra low-noise operation. The UniCar product range for libraries is rounded off by interfaces with book sorting equipment and automatic book return systems.

CLINICALLY TESTED: SOLUTIONS FOR HOSPITALS



UNICAR SUPPORTS VITAL OPERATIONS

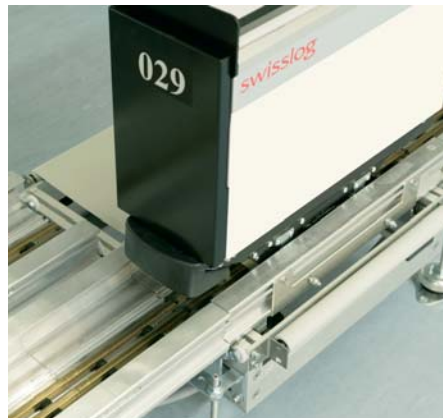
Quality and safety for patients is an essential factor in everyday clinical routine. Accordingly hospitals and clinics are among typical UniCar applications, which provide fast and reliable transport links between individual stations and relieve staff of transport operations. The 24/7 availability of the UniCar system contributes to cost savings and quality assurance in hospital operations.

UNICAR AND MULTICAR REPRESENT PURE PERFORMANCE

In the transport of materials cleanliness and hygiene are basic requirements. Whether it's for blood or laboratory samples, patient records or sterile products, medicaments or x-rays, our specially developed transport containers combined with automatic UV and wet disinfection measures ensure secure and bacteria-free transport, fulfilling the stringent hygiene regulations in force within hospitals. MultiCar transports sterile goods containers with operating equipment from the sterilisation facility to the operating theatre, and both systems provide appropriate post-operation disposal.



UniCar in hospital



UniCar carrier



UniCar blood samples carrier

TROUBLE-FREE PRODUCTION: SOLUTIONS FOR MANUFACTURING



OUR RESPONSE TO YOUR REQUIREMENTS

In the industrial applications of UniCar and MultiCar the focus is consistently on customer-specific solutions and economy. The standardised carriage can be adapted to a wide range of transport operations by means of a variety of support, fastening and container options.



MULTICAR GOES WHEREVER YOU WANT IT TO GO

Individual material flow concepts which are customised for specific production requirements provide production facilities with a significant business advantage. The flexible rail system can be applied for the transport of tools, spares, assembly platforms, small parts, workpieces, production documentation or data media right down to pharmaceutical products. Or for transporting finished products to the shipping section. And when production processes are changed, your Swisslog-Telelift system will support you just as effectively, because the flexibility of the system enables it to be adapted to new processes at any time.

SOLUTIONS FOR MANUFACTURING



UNICAR MEETS YOUR DEADLINES

Production processes in graphic design require speed and a high level of automation. As a complex conveyor system UniCar supports the logistics operations of large printing companies and ensures fast transfer from the exposure of the printing plate to the printing press itself.



UNICAR HANDLES YOUR GOODS CAREFULLY

UniCar has conclusively proved its value in the transport of highly sensitive and delicate goods. For example fragile silicon tubes with a length of several metres can be transported in a space-saving way below the ceiling, ensuring not just safe transport but also providing more room for production and a reduction in the personnel involved in goods movement.



MULTICAR KNOWS WHEN IT'S TIME

"Just in time" is a standard part of manufacturing. Time and process-optimised supply chains are impossible without precisely synchronised material flow systems. In the industrial sector MultiCar ensures the punctual supply of all materials and accordingly supports the precision intermeshing of production processes. This guarantees not just shorter production times but also enables a reduction in storage costs.

With horizontal and vertical transport using identical components MultiCar provides unique flexibility.



MULTICAR NEVER GETS IN THE WAY

An above-floor conveyor system which is generally suspended from the ceiling leaves essential access and production areas unobstructed. The route of travel can also cover a number of floors without difficulty, with our tried and tested modular system featuring various types of points providing the necessary flexibility. As always the guiding principle is that your requirements define the solution.

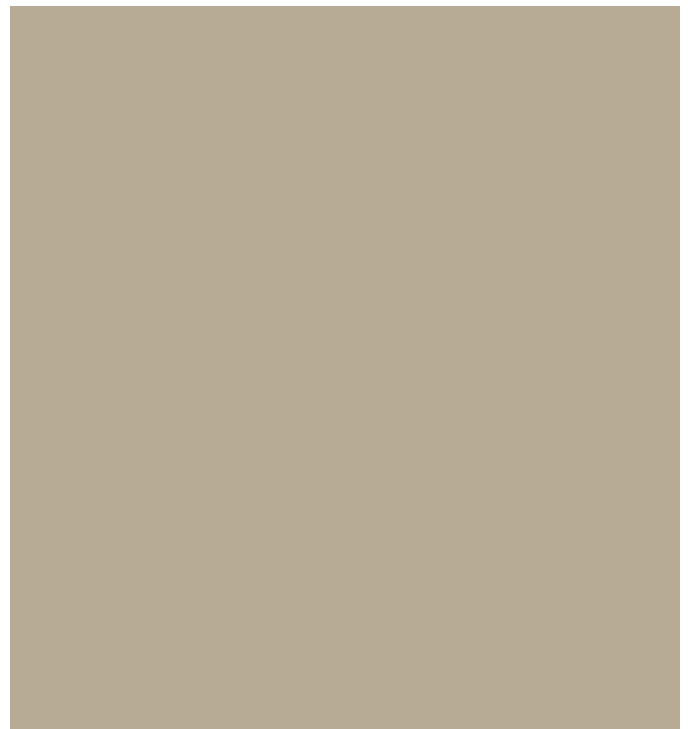
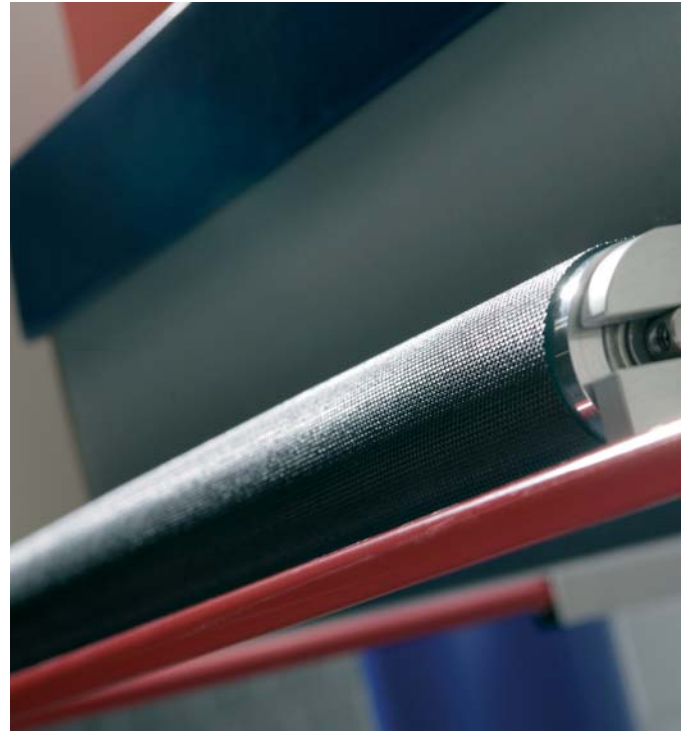
And to ensure optimum safety – when the route leads through fire compartments – automated fire protection is available.

MORE FLOOR SPACE AND TURNOVER: SOLUTIONS FOR COMMERCE

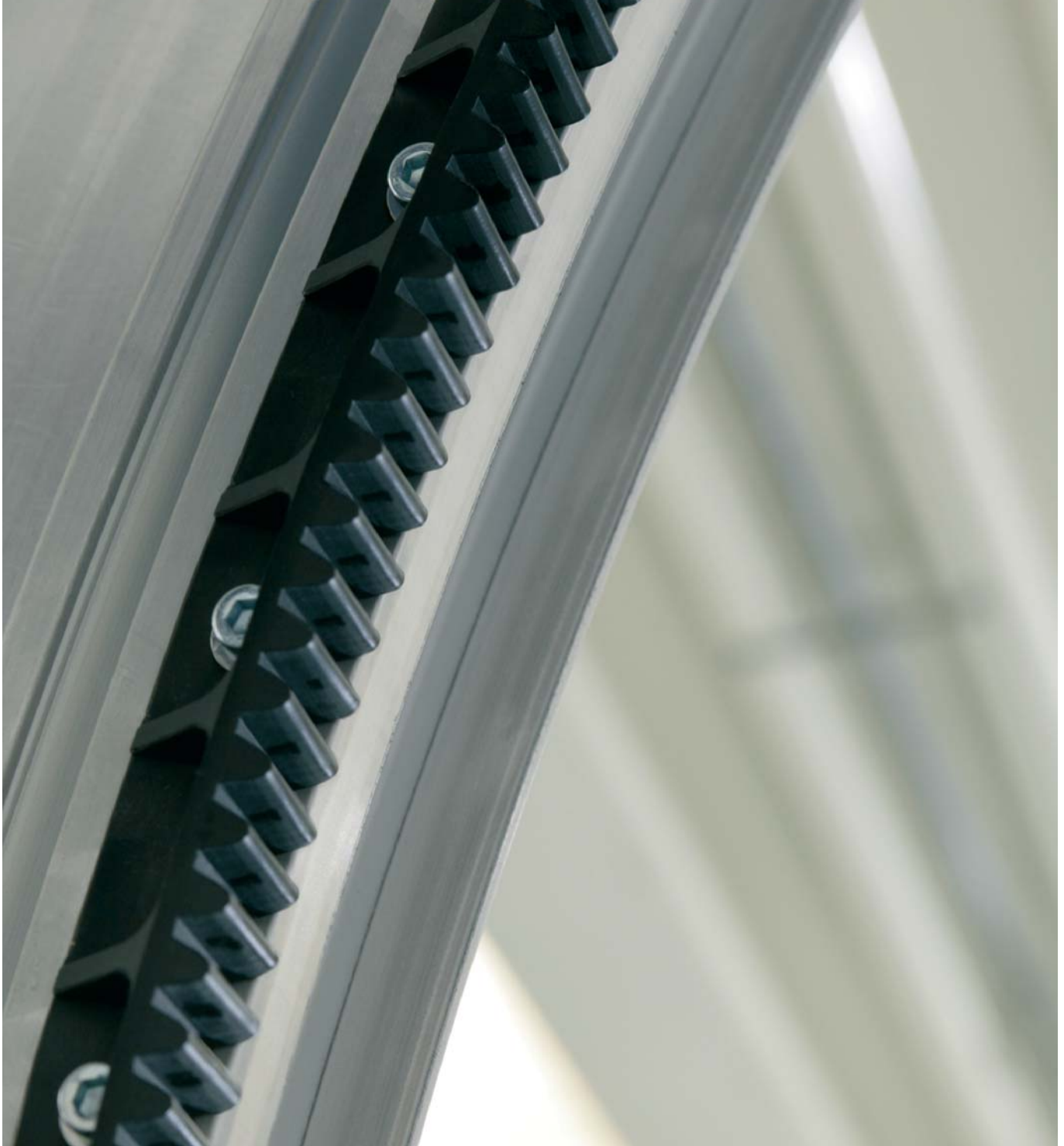


SWISSLOG-TELELIFT SYSTEMS CREATE SPACE WHEN THINGS ARE TIGHT

Space is a critical factor in commerce - especially in lucrative locations, where it is both scarce and extremely expensive. This is when instead of expanding horizontally it's a better solution to think vertically and install a conveyor system which can combine different rooms on different floors into a single functioning business unit. MultiCar and UniCar set the benchmarks here. Goods can be conveyed in a way that saves time and space from the stores to the shipping department, for example, from shop to workshop or from cellar to top floor. Typical areas of application are duty-free shops at airports, pharmacies, shoe shops and other retail outlets of all kinds, as well as fast-food restaurants. And if required, the conveyor systems can be integrated into the location's decor to blend in with the customer's special design specifications.



YOUR PARTNER FOR IN-HOUSE LOGISTICS OPTIMISATION



WE GET YOUR INTERNAL LOGISTICS MOVING

Telelift GmbH, a member of the Swisslog Group, is a leading manufacturer of rail-based conveyor systems for the in-house transport of documents and goods up to 60 kg.

Swisslog-Telelift supports its customers through a worldwide network of distributors and subsidiaries. We provide complete materials-flow solutions – from conception and planning via installation and implementation right across to comprehensive life-cycle support, all with one single objective:

TO DEVELOP AND SUPPORT, IN COOPERATION WITH OUR CUSTOMERS, CONVEYOR SOLUTIONS WHICH WILL BE OPTIMALLY ADAPTED TO THEIR REQUIREMENTS

YOU CAN MEASURE US BY OUR ACCOMPLISHMENTS

The implementation of a logistics project is a complex process. The supplier's project management and quality management have to be committed experts and enjoy the support of their teams at all levels. At Swisslog-Telelift we are proud of our project managers, who combine excellent management skills with in-depth technical expertise – whether it's in engineering mechanics, project planning, control equipment or software development. The result is more efficient communication with customers, more direct implementation of their wishes and shorter time to turn-key project completion. This is demonstrated by our ISO 9001:2000 certification. For us this is clear recognition of our precisely defined and structured processes. And for our customers it is the comforting feeling that they are in good hands.

OUR SERVICE FOR YOUR SUCCESS

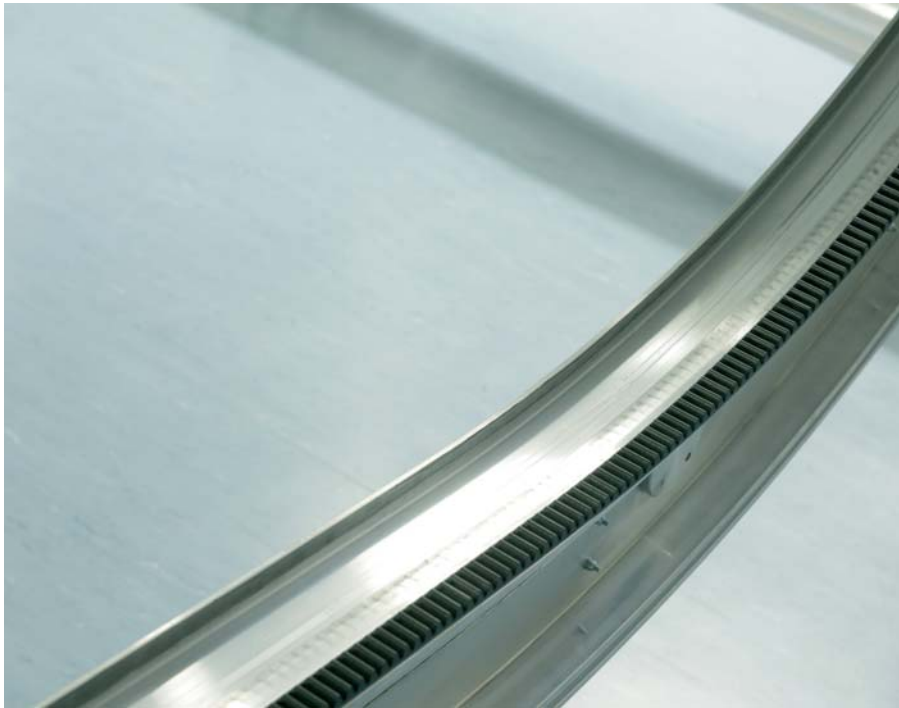
YOU CAN MAKE THE BEST OF YOUR RESOURCES BY TAKING ADVANTAGE OF WHAT WE OFFER, INCLUDING

- > customised all-round projects,
- > first-class technical specialists who do the job right,
- > the innovation of the latest technical developments,
- > exceptional and at the same time favourably-priced services.

OUR SUPPORT FOR YOUR COMPETITIVE EDGE

WE INVITE YOU TO BENEFIT FROM OUR KNOW-HOW AND GAIN DECISIVE ORGANISATIONAL AND BUSINESS ADVANTAGES FROM:

- > quick access to specialist staff and our spare parts service
- > a dense regional service network
- > long system life resulting from maintenance of value and modernisation
- > the 24/7 availability of our conveyor systems.



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