

FREIGHT LOGISTICS
WITH HIGH
SECURITY
REQUIREMENTS

RELIABLE
TRANSPORTATION
OF CONFIDENTIAL
DOCUMENTS
AND SECURITY-
CRITICAL
GOODS



The World's Leading

Security Logistics
Partner



telelift
Innovation for *Logistic* Solutions

Automated transportation systems – your partner for secure internal transport

Security requirements in a modern company

The world has undergone a major transformation in recent decades. Around the globe, our highly complex, performance-oriented societies have created networks using modern communication and transportation technology.

There have been many positive effects of the digital revolution of information technology: massive volumes of data can be sent around the world in next to no time and shared in a matter of seconds.

The benefits for the global economy, for example, are enormous.

Protection of security-critical documents and valuable items

At the same time, modern information technology clearly has an Achilles' heel: a major technological effort is required to guarantee the complete security of sensitive information in organizations such as public administration departments, the military, embassies, banks, and private companies. In times where the uncontrolled distribution of digitally stored information is not a mere possibility but a tangible reality, there is a need for the secure transportation of sensitive mail, contracts, examination reports, certificates, and embassy dispatches, even within the same institution.

Unintended information leaks can cause significant damage to reputations and professional image as well as financial losses. There have always been very high internal security requirements when it comes to transporting valuable items. No matter whether the objects being taken from place to place are gold, money, works of art, precious stones, or casino chips, the same effective security measures must be taken to reliably prevent unlawful access.

Equipped with high-performance security technology, UniCar ensures that items requiring protection are brought safely to their destination. The Telelift UniCar is a guarantee of discreet, secure, and efficient internal transportation.

Solutions

Telelift logistics

Reach your destination safely with UniCar

Secure transportation of documents that need protection and valuable items

The UniCar system offers maximum security for internal transportation. It is especially suitable for the delivery of sensitive documents and information that needs to be protected if e-mails are too insecure or courier and messenger services cannot guarantee that confidential documents will be delivered safely. The UniCar rail-mounted conveyor system is an unobtrusive way to transport documents to recipients, connecting departments on different floors and even in different building complexes. However, it can also distribute internal mail accurately and on time thanks to its high carrying capacity with Telelift-systems. Telelift systems are designed to handle a workload of 5,000 kg/h as standard.

The use of UniCar as a means of transport is advantageous in cases where documents have to be manually signed or initialed by several people or when paperwork has to pass through many departments. With biometric authentication technology, UniCar offers particular advantages when documents or valuable items are destined for a precisely defined group of recipients. In addition, the transported items can be kept secure until delivery to the correct person and, if necessary, using the security features offered by the locking mechanism. UniCar also lends itself to applications where there is a risk of accidents at the workplace or personal injury or if the cargo itself poses health risks.

Confidential

Reliable

Efficient

Headquarters

Airfreight centers

Ministries

Laboratories

Hospitals





No risk of tampering or lost documents due to operating errors

Public authorities, ministries, banks, companies, and research institutions have an inherent need for security. In such organizations, sensitive documents, data storage devices, and business secrets have to be protected over the long term against espionage, illegal tampering, and uncontrolled information leaks. Even ordinary mail has to be distributed in a secure and reliable way. If protective measures fail, the ensuing damage can assume immense proportions – and it could even be irreparable.

Security during internal transportation is necessary to prevent tangible and intangible damage. The UniCar system is a secure and discreet way to deliver documents to the intended group of individuals. A combination of varied security technology, including biometric authentication, identification, and an electronic lock on the lid, ensures excellent security. It is impossible for those without permission to access the contents of the delivery.

In forensic institutions, the UniCar system guarantees the highest possible security for evidence when it is transported to the laboratory for examination. Our tamper-proof containers feature security technology that ensures evidence remains intact. As a result, UniCar maintains process safety all the way into the courtroom.

Protection against tampering and theft

- > Biometric authentication: fingerprint scans, iris scans, and voice recognition
- > Pin codes, OCR, magnetic stripes, and bar codes
- > Electronic locks
- > Transport in inaccessible suspended ceilings and ducts
- > Track and trace technology: precise position detection to provide information about the location of each transport container and its contents
- > Closed rail profile to ensure transport containers are not removed without permission
- > Documentation of all movements, including details of start and arrival time, destination, sender, and recipient



UniCar knows no limits

“Time is money” – this saying is particularly true in the area of airfreight, where it is essential to clear cargo through customs as quickly as possible. The long transport paths of cargo documents in expansive logistics centers can be bridged with the UniCar conveyor system. This technology creates a direct link between clearance points in the cargo halls and the administrative offices. In this way, it shortens turnaround times and optimizes process costs for carriers, integrators, and cargo-handling companies.



Be on the safe side with automated transport systems



- > Fast connection between air-cargo buildings and administrative offices
- > Customs borders are not a barrier
- > Transportation of shipping documents
- > Faster cargo handling
- > Direct clearance: no collection of shipping documents means guaranteed faster processing times
- > Reduction of staffing levels in areas that require security



Transport in hazardous areas

In our high-tech world, organizations have established safe working areas where industrial or fully automated processes are used to manufacture, treat, and distribute products. Such facilities can expose personnel to serious health hazards or the risk of injury or accident. Even in safe working areas such as research laboratories, critical materials may constitute a health risk.

Automated conveyor systems such as UniCar ensure safety wherever there are fears that internal transportation could pose a threat to people or the environment. The UniCar system also minimizes unnecessary risks during transportation that might be caused by exposure to hazardous substances.

UniCar travels to places that are dangerous for people



Stay on the right track with UniCar

- > Automated transport in areas that are dangerous for people
- > UniCar carries out transport tasks in fully automated factory areas
- > Straightforward modifications to meet new operational requirements in logistics
- > Modular system components save space and increase flexibility
- > Easy handling for operating staff and high operational safety
- > Planned and ad hoc transport
- > Operation 24-7; no in-house courier services are necessary
- > Fast maintenance and rapid repair

Solutions



The UniCar conveyor system is a competent team player when it comes to minimizing the risk of possible exposure to hazardous materials during transport. Tailor-made logistics concepts and quality control of the delivery process ensure a high level of operational safety. The UniCar concept has proven to be a sound replacement for the manual transport of sensitive or hazardous materials in hospitals and laboratories thus protecting patients, employees, and the environment.

Transport of hazardous goods

In nuclear medicine, research, and science, it is sometimes necessary to transport dangerous goods that present a serious health risk to employees and the environment. The legal system has established stringent safety requirements for laboratory facilities and institutions that work with hazardous materials to minimize risks for people and the environment.

UniCar is safe and reliable

- > It makes the automated transport of microbiological samples, radioactive and cytotoxic medication, and poisonous substances in containment vessels possible
- > These containers work reliably and provide a high level of protection for employees
- > Safe handling is thus ensured for operating staff
- > Closed transport prevents exposure and the subsequent damage this can cause
- > Antibacterial container surfaces
- > Container surfaces are suitable for cleaning in line with the most stringent hygiene regulations
- > Electronic locks on the lids protect goods from unauthorized removal during delivery
- > Protection against theft of highly effective drugs (morphine, narcotics, antidepressants, and other medicinal products) during transport



User recognition

UniCar offers biometric user recognition



User recognition with biometric authentication



Transport containers with an electronic lock on the lid

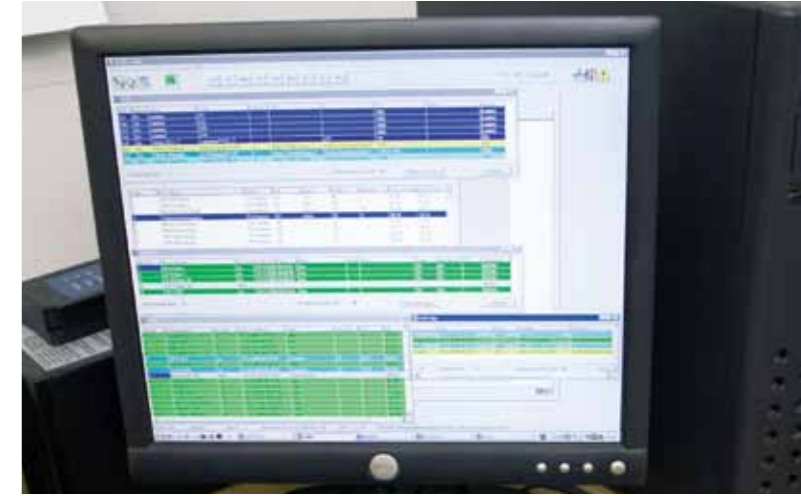
The UniCar system is equipped with advanced authentication options. Measurable physiological characteristics are used to identify the user beyond any doubt and include, for instance, fingerprint scanning and iris recognition. Such access authorization systems ensure that deliveries are only made accessible to those they are intended for.

All Telelift system controls can be combined with biometric authentication methods. These make it extremely secure to dispatch and remove goods from the UniCar conveyor containers. Furthermore, the containers are fitted with an electronic lock on the lid to protect against unauthorized access. The result is a fully documented transport chain that meets even the most stringent security requirements.

Monitoring electronics

Reach the right destination every time with UniCar position detection

The UniCar system is equipped with an extensive range of protective features to ensure the safety and security of items during transit. One such feature is automatic position detection. This makes it possible to trace each transport container as it moves toward its destination and to individually identify it. At all times, the location of the vehicle is detected by position codes at reporting points, which are transmitted to an operator-interface computer. In the event of unauthorized interruption or a forced stop of the conveyor system, notification is immediately sent to the display computer if the vehicle does not reach the next reporting point on time.



The right security interface for every need

- > Authorization using identification: OCR, reading magnetic stripes and bar codes, and RFID identification
- > Interface to a central security server
- > Integration of the security concept into the Telelift control system
- > CCTV of station and track areas
- > Combination of several different security technologies

Flexible transport paths

Secure transport paths with UniCar



- > Vertical transport in enclosed ducts
- > Horizontal transport behind inaccessible suspended ceilings
- > Loading and unloading is only possible at authorized stations
- > Transport routes and station areas are monitored by cameras
- > Flexible path through curves, circular sections, straight lines, and junctions
- > System controls include a call-back function when the vehicle is stationary or moving (e.g. in the case of incorrect loading)
- > Real-time notification of the conveyor position
- > Authorization in the station area
- > Vehicles can only be removed with tools

Service

Telelift – a one-stop solution from beginning to end

Telelift supports its customers – from the initial concept through to commissioning. And as a lifetime partner for the entire service life of the Telelift system.

Consulting, planning, and project management

CONSULTING:

An experienced team of sales representatives, engineers, and control technicians offer their expertise in consultations.

PLANNING:

We plan optimal routes for libraries and create a tailor-made electrical design that meets all the applicable regulations.

PROJECT MANAGEMENT:

Our experienced project managers ensure a smooth installation process and timely commissioning. They are your first point of contact for all questions and concerns – from order processing to project approval.



Spare parts, maintenance, and training



During commissioning and the first round of on-site production support, we offer our customers training for in-house maintenance and repair work. On request, Telelift service staff are able to perform maintenance and service tailored to customer needs. A nationwide service network in Germany guarantees short response times in the event of a fault. Furthermore, our helpful spare-parts sales team will quickly supply replacement parts.

Medical

Library

Industry

Security

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