

Pharma Supply Chain  
Solutions



# Excellent Pharma Supply Chain Solutions



# 100% reliable, safe, secure and flexible: our Cool Chain Control System

A unique hatrnick: winner of the "Cool Chain Excellence Award" in 2011, 2013 and 2015 in the "Best Temperature Controlled Logistics Project" category

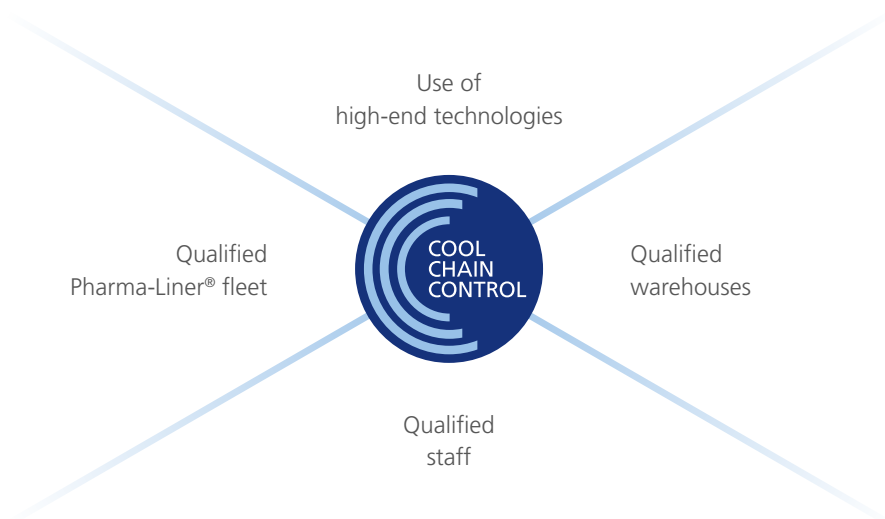


Stricter regulatory directives, more detailed safety and security requirements, growing cost pressures, more complex logistics chains, increasingly sensitive pharmaceuticals – the pharmaceuticals industry finds itself constantly confronted by new challenges. Wouldn't you prefer to have the services of a logistics specialist who is not only totally familiar with all processes but also offers you highly innovative solutions?



If that is the case, then Frigo-Trans is exactly the right partner for you. For the past 26 years the owner-operated, midsize company has been driving innovation in the cool chain logistics sector. Our sophisticated Cool Chain Control System guarantees you 100% safety, 100% security and 100% flexibility!

This close-knit protective network comprises a high-performance fleet of Pharma-Liners® containing state-of-the-art measuring, regulating, safety and security systems; high-end technology along the entire supply chain; personnel with Good Distribution Practice (GDP) training; and special-purpose warehousing with all the temperature zones required for pharmaceutical products.



Frigo-Trans is the ideal choice for customers seeking GDP-certified quality, safety and flexibility.

# Temperature-controlled, with first-class safety and security: our Pharma-Liner® fleet

Perfect pharmaceuticals logistics begins with vehicles that are not only extremely safe and secure but which also ensure that the cooling chain remains unbroken. The perfect solution: our GDP-certified fleet of 85 high-tech trailers, including 53 so-called Pharma-Liners®.

Equipped with two cooling compartments and state-of-the-art measuring and regulating systems, these vehicles transport their valuable cargo to all parts of Europe and beyond. Every five minutes the telematics system transmits a range of data to the control center via GPRS, including, for example: the position and temperature of the cargo and the level of diesel in the fuel tank. As far as safety and security are concerned, there are no half-measures with our „traveling safes“ – thanks to the panic button, the gas detection system, and the 2.5-centimeter thick full stainless steel bolts in the chassis. With TAPA TSR 1\* certification, the vehicles comply with the most stringent international safety standards.



Our **secure route management** ensures that your cargo is absolutely safe and secure on its journey from the factory gate to the recipient. This includes documented route planning, escalation procedures, secure parking lots, departure checks, preliminary blackspot analyses, and contact with law enforcement authorities.

Frigo-Trans is the ideal choice for customers who require optimal protection for their pharmaceuticals on the road.

## Maximum-security vehicles:

- two independent telematics systems
- two-way communications system (24/7)
- GPRS-controlled secure locking system for all doors
- solar panels for power backup of refrigeration units and GPRS
- unique measurable loading system
- bi-temperature zone loading
- alarm system (panic button, door alarms, geographical alarms, break-in alarm)
- gas detection system

# Temperature control and total protection: our Cool Chain Control Pharma Center

With the Cool Chain Control Pharma Center, Frigo-Trans closes the gap between the transportation and storage of highly sensitive pharmaceuticals. You will find a safe, secure and continuously temperature-controlled home for your products on our 13,000 square meters of warehouse space, with all the temperature zones required for storing pharmaceuticals (-25°C, +2°C to +8°C, and +15°C to +25°C).



State-of-the-art US-built ramp systems ensure that the cool chain is never broken during loading or unloading. Frigo-Trans is the first European country to use this system. Each pallet is documented after being photographed from three sides.



Special video systems, validated warehouse management software and GDP-trained personnel ensure that every pallet is placed in the correct temperature zone. Around 200 tamper-proof, high-resolution cameras monitor the warehouse and the outside area. Our Pharma Center complies with all GDP regulations, the Good Storage Practice (GSP) guidelines, and the AMG (German Drug Law) and WHO directives; it also fulfills the highest international level of TAPA FSR A\* facility security requirements.



Frigo-Trans is the ideal choice for companies looking for safe and secure storage facilities for their sensitive pharmaceutical products.

## Maximum-security storage areas:

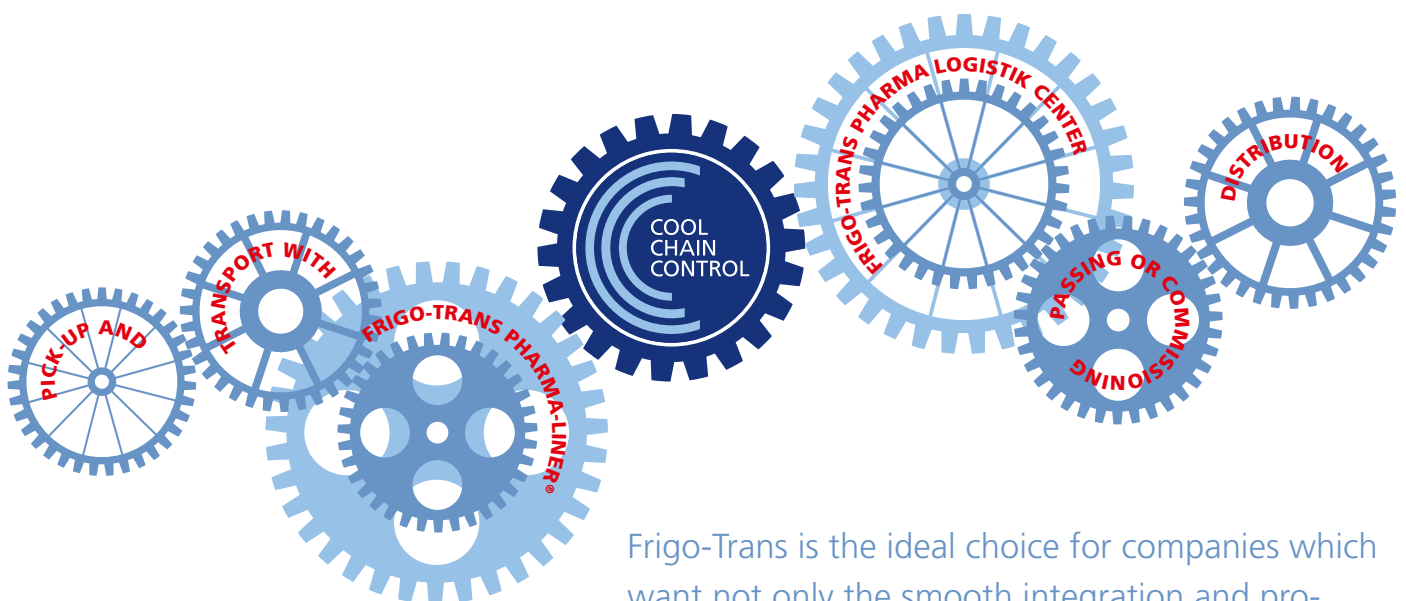
- GDP and TAPA FSR A\* certified warehousing
- separate customer compartments (on request)
- RFID-based access controls and clearance
- alarm protection, including video monitoring
- 24/7 surveillance and locally-based security service
- video surveillance of shipment paths within the warehouse
- 100% redundancy in cooling and heating systems
- emergency generator with 7,000 liters of diesel

# Intelligent, dependable and cost-effective: our value-added services

The future will belong to those logistics companies which help their clients to optimize costs without lowering quality levels. Frigo-Trans achieves this, for example, by means of the regular daily Europe-wide deliveries between our Pharma Center and the production plants of pharmaceutical customers who require just-in-time call-off of their products. With these Less Than Truckload (LTL) shipments we deliver different product quantities from different manufacturers with the same temperature requirements and destinations all over Europe.

As regards warehousing, we already offer value-added services: we pre-cool passive packaging material, undertake your inventory work, load and unload sea freight containers, pick and re-pallet your goods, and supply pallets for air freight shipments.

Frigo-Trans is going one major step further in March 2017. Then we will be integrating ourselves seamlessly into the Pharma Air Freight Transport Chain, thereby establishing ourselves as regulated agent. We collect temperature-controlled products from the production facilities of known consignees or from specific airports with our Pharma-Liner® all over Europe, store the products temporarily in the Cool Chain Control Pharma Center, and then transport them to the designated airport in time, according to the flight schedules. All the necessary regulations and prerequisites, such as TAPA, Reg B and GDP certification, will have been fulfilled.



Frigo-Trans is the ideal choice for companies which want not only the smooth integration and processing of air freight but also value-added services.

# Your Partner for efficient Pharma Logistics



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