

TEMPERATURE-CONTROLLED AIR AND OCEAN FREIGHT

Unmatched global network of resources and capabilities for the pharmaceuticals cold chain

To maintain the integrity of life-saving products and ensure regulatory compliance, pharmaceutical companies require a cold chain that meets GxP standards. Proven competencies in packaging, tracking, handling, intervention, and reporting are critical to managing temperature-controlled pharmaceutical shipments around the world.

TYPICAL BUSINESS CHALLENGES

- ✓ Ensuring regulatory compliance
- ✓ Achieving shipment visibility across the cold chain
- ✓ Synchronizing logistics handoffs
- ✓ Competently handling operational problems



WE CARE

Temperature-Controlled Air and Ocean Freight

Business Scenario & Key Customer Challenges / Requirement	DHL Solution Value Proposition
<p>Business Scenario: <i>A large percentage of pharmaceuticals in the supply chain are temperature sensitive. Cold products must be kept between 2°C and 8°C; frozen products at -20°C; and deep frozen products at temperatures as low as -80°C. It is the carrier's responsibility to not only ensure but also prove products are kept at these temperatures so it's in the carrier's best interests to have methods of monitoring near-excursions in temperature and ways of intervening to protect product safety. DHL Global Forwarding does this by using a product called DHL Thermonet.</i></p> <ol style="list-style-type: none">Monitoring: Sensors can monitor temperature, humidity, pressure, shock, and tilt, depending on the needs of the customerDocumented proof: The system records sensor readings and can generate reports as proof that the temperature was maintained within limitsGxP: Thermonet guides users to follow best practices, meet regulatory requirements, and adhere to certificationCompliance and CAPAs: Thermonet stores compliance requirements and can help with corrective and preventative action (CAPA) managementIATA CEIV Pharma recertification: This product helps users to maintain IATA CEIV Pharma certificationPreferred Life Sciences Carrier Program: Thermonet tracks the performance of carriers and highlights high performers as DHL's preferred carriers <p>DHL's Temperature-Controlled Air and Ocean Freight solution, based on DHL Thermonet, represents the global standard in temperature-controlled GxP-compliant shipment, enabling 24/7 visibility and proactive intervention.</p>	<p>DHL Air & OceanThermoNet is the global standard for temperature controlled GxP compliant shipments that require 24/7 visibility and proactive intervention</p> <p><u>ThermoNet Features:</u></p> <ul style="list-style-type: none">• 24/7/365 proactive monitoring and intervention• Highly trained and dedicated quality team• Temperature data recording during transport• CEIV- and QEP-certified• Investigation tool and CAPA management for root-cause analysis• Analytics and reporting utilizing data from DHL LifeTrack and external sources <p><u>Value Proposition:</u></p> <ul style="list-style-type: none">▪ Minimize product loss with enhanced traceability and proactive intervention▪ Systematic integration of SOP with CAPA and root-cause analysis to ensure continuous improvement▪ Dedicated customs brokerage helps products arrive in the right timeframe and condition▪ CAPA analysis is streamlined through ambient temperature sensor placement; this increases logistics transparency▪ Data analytics for faster and more informed decision making▪ Enhanced process efficiency and cost optimization

DISCOVER MORE: TEMPERATURE-CONTROLLED AIR AND OCEAN FREIGHT



[Click here to connect directly with our experts](#)



Webinar: Enhancing air freight lane risk assessment to the next-level

In this webinar, we review new approaches for data-driven risk management and explored how risk assessment processes can be further simplified ensuring GDP compliance, aided by machine learning, IoT, and cloud computing technologies.

Article: IOT and data mining smarten the solutions

Keeping the supply chain cool opens another opportunity: Data Analytics. Find out how your data could drive further improvements and add value to your cold chain.

Temperature controlled road freight for Life Science & Healthcare

Explore DHL's Road Freight solutions, featuring temperature control, compliance, and active monitoring.

