

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



DHL SOLUTION

Based on DHL ThermoNet, this solution represents the global standard in temperature-controlled GxP-compliant shipment, enabling 24/7 visibility and proactive intervention. A worldwide network of trained personnel and resources, including certified handling stations, delivers the competencies needed to operate the pharmaceutical cold chain.

SOLVING YOUR BUSINESS CHALLENGES

✓ Ensuring regulatory compliance

Trained personnel, resources, certified stations, systems, processes, and reporting ensure operational regulatory compliance.

✓ Achieving shipment visibility across the cold chain

Enabled by DHL’s integrated IT systems; proactive and reactive action to adverse events such as temperature excursions, unplanned delays, theft, and more.

Unmatched global network of resources and capabilities

Physical Component	Services	
▪ People – dedicated trained staff. ▪ Products – safe handling of sensitive products ▪ Processes – SOPs as required for GxP ▪ Packaging – risk scoring and packaging solutions ▪ Places – all stations are certified ▪ Partners – qualified carriers, handlers, and technology providers.	 Document SOPs	 Visibility & Data Storage
	 SOP Compliance	 Quality Management
	 Control	 GxP Compliance
	 Staff Training	 Internal Audits

- ✓ **Synchronized logistic handoffs**
Effective and agreed SOPs and service levels ensure complete handoffs between manufacturers, carriers, consignees, and other supply chain partners, each with their own compliance protocols.
- ✓ **Competently handling operational problems**
Data-driven analytics inform DHL’s trained personnel, resources, effective systems, and proven corrective and preventative action (CAPA) processes; quick, safe problem resolution; proactive prevention of future occurrence.

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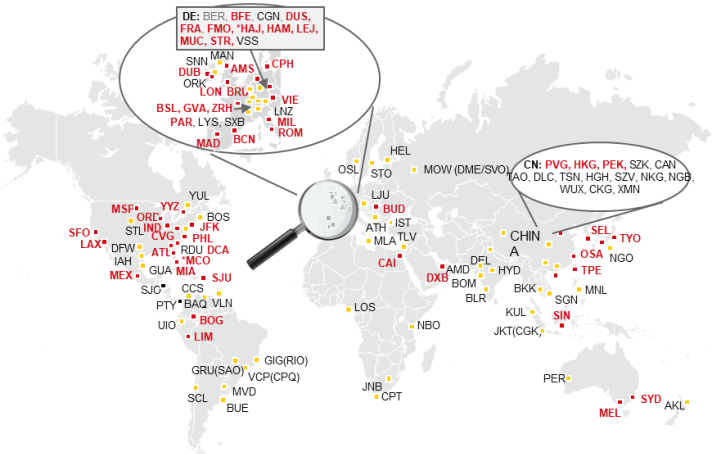
SAFETY & SUSTAINABILITY

Health and safety prioritized in operations; clear sustainability goals and action plans.



INNOVATE AND IMPROVE

Innovations to improve customer experience and operations; mindset of continuous improvement.



DHL’s ThermoNet global coverage:
+2,000 Trade Lane Pairs, 119 LSHC Certified Stations, + 1,000 Life Science Trained Resources