Logenix International

Logistically the Best for Temperature Controlled Cargo

Logenix PharmaPlus™
Solutions for Pharmaceuticals and Vaccines to the Developing World

Washington D.C. | London | Amsterdam | Dubai | Mumbai | Karachi | Kabul | Abuja

Temperature Control Solutions for Pharmaceuticals and Vaccines

Logenix PharmaPlus™ offers a **comprehensive range of supply chain solutions** to manage your **temperature sensitive** cargo to the **hardest to reach places in the world**, end to end.

Compliance Driven Service

IATA, WHO, and GxP compliance guidelines are the cornerstone of our Logenix PharmaPlus™ service. Using these principles, Logenix moves cold chain vaccines and pharmaceuticals valued at over 1 billion USD to and throughout the developing world.

Defining service levels per shipment with specific temperature control options, lane requirements, and advance notice of escalation procedures

Expert recommendations on capabilities and types of data loggers for all levels of temperature controlled shipments

24/7 Proactive management & rapid intervention

Account management team and operational service desk with 24/7/365 proactive monitoring and intervention from highly trained and knowledgeable employees throughout the world

In case of delay or deviation from original flight schedule, Logenix's policy for shipments including gel packs or dry ice is to request approval from customer and begin process to pull back the shipment to one of our designated pivot points for immediate repack

Mitigating risk, driving solutions

Risk and carrier assessment for all temperature controlled lanes

Providing comprehensive information regarding temperature controlled capabilities on any given routing

To make the best decisions for your cargo, Logenix has compiled a detailed list of the various levels of temperature controlled airline service and cold chain storage facilities throughout the developing world

Extensive expertise in the movement of vaccines and pharmaceuticals using cold chain applications such as passive packers, thermal blankets, thermal mapping, the utilization of active packaging (Envirotainers), and dry ice

Global Network & Experience

Possessing the logistics industry's most experienced staff, and a proven global network specializing in global health

Logenix ensures that essential medicines, test kits, and vaccines are transported cost efficiently and on time, to and throughout the world's most challenging and underserved regions

Under Logenix's PharmaPlus™ service, we have conducted lane simulations and thermal mapping for cold chain transit requirements throughout Africa, Asia, Central America, and South America

Want to learn more about how we can optimize your developing world logistics?

→ www.logenix.com

Logenix PharmaPlus™
Airfreight Solutions

Level 1 – Ambient

Level 1 service is handled as general cargo. If the shipments are booked as ambient or “general cargo”, Logenix cannot guarantee and cannot be held liable for the temperature control in transit and through to delivery as some countries can experience temperature ranges from -20° C – over 50° C in transit.

Level 2 – Controlled Room Temperature +15 - +25 C

Logenix’s PharmaPlus™ Level 2 service is designated for temperature sensitive cargo where the temperature must be maintained at usual and customary working environment of 15°-25° (59°-77 °F). For CRT shipments, available airline service and storage varies by airline and by airport.

Logenix is familiar with airlines and destination countries throughout the developing world that offer CRT service and can assist clients with verification of lanes for this level. If destination services for CRT storage are not available, Logenix recommends to move the products under Level 3 Refrigerated to guarantee the temperature of the goods if products cannot be exposed to ambient temperatures.

Level 3 – Refrigerated +2 - +8 C

PharmaPlus™ Refrigerated +2 - +8 C service should be chosen for time and temperature sensitive cargo where the temperature of the goods must be maintained at +2°-+8°C. Vaccines, reagents, and other pharmaceutical products transported at +2 - +8 C can have different excursion concerns, requiring differing packaging and transport options.

Logenix’s team of Cold Chain experts will create a shipping plan based on the specific excursion profile, the capabilities at destination country, the carrier’s temperature control capabilities, and the potential transit duration through to last mile delivery.

We will work diligently with all clients to assist in choosing he most compliant and cost effective service, which best fits their products’ +2 - +8 C temperature and transit profile.

Level 4 – Frozen

Time/temperature sensitive shipments that must maintain temperatures below 0°C

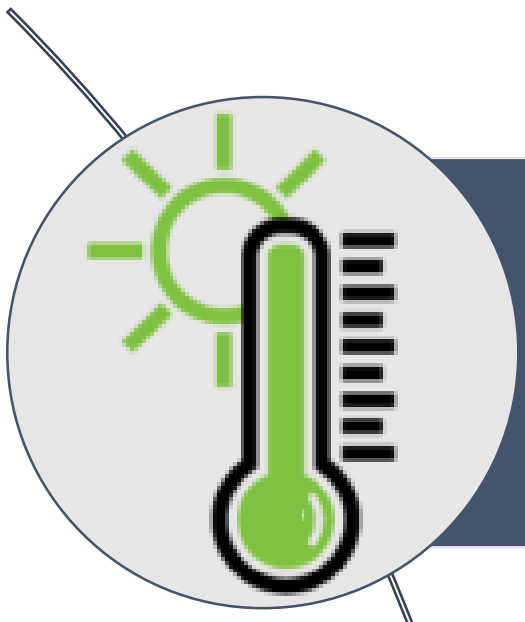
Logenix’s PharmaPlus™ Frozen service controls the logistics end-to-end with abilities to replenish dry ice, repackage frozen-grade shipping materials, and include data loggers that can withstand and report on frozen temperatures. Cargo will be packed with dry ice as per manufacturer’s standards and by IATA requirements.

Our team of experts will determine the quantity of ice needed to keep products frozen for the duration of transit through to delivery. Pivoted routes have much greater risk due to the increased transit time and additional handling.

Since the dry ice will act as the main refrigerant throughout the transit of the products, Logenix’s experience proven protocols and expertise is critical to avoid excursions.

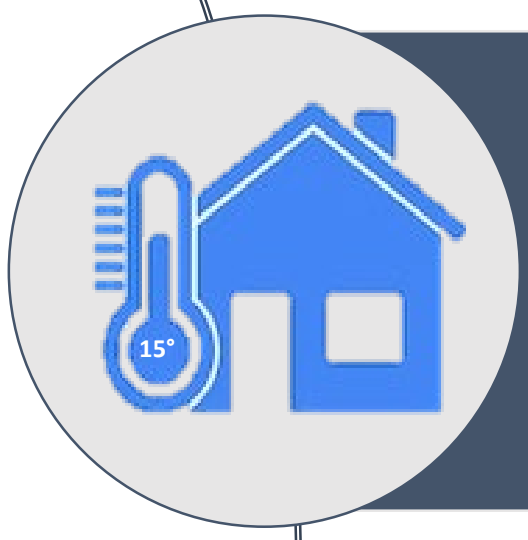
Logenix PharmaPlus™
Airfreight Solutions

Four service levels tailored to meet your customized handling and temperature needs:



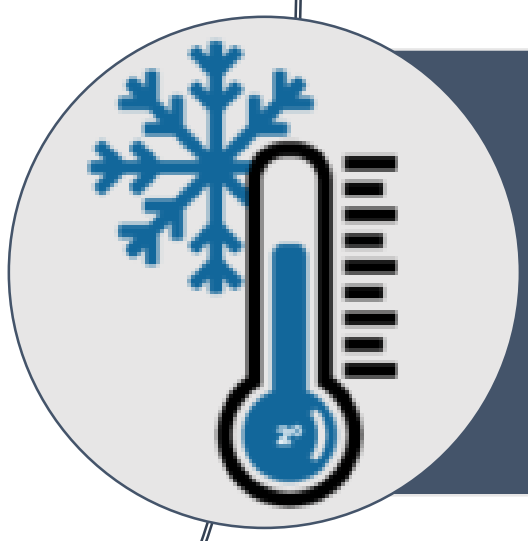
Level 1 - Ambient

- No special handling requirements or temperature control



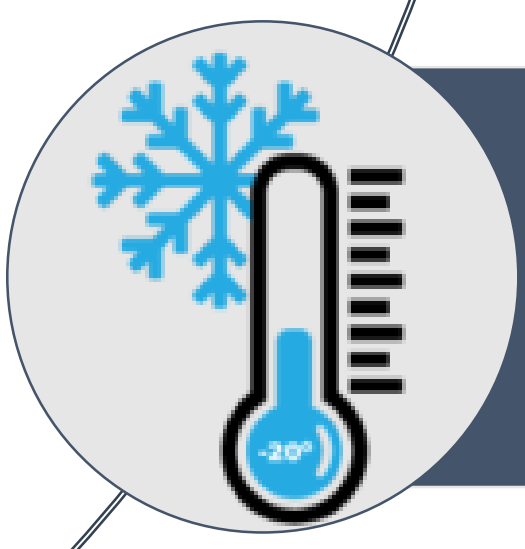
Level 2 - Controlled Room Temperature 15°-25°C

- Temperature sensitive cargo booked under controlled room temperature, must maintain temperatures of 15°-25°C



Level 3 – Refrigerated 2°-8°C

- Time sensitive, cold chain shipment where passive packaging and/or temperature-controlled transit is required, cargo must maintain temperatures of 2°-8°C



Level 4 - Frozen

- Time/temperature sensitive shipments that must remain FROZEN from pick-up through to delivery, must maintain temperatures below 0°C