

REINVENTING RETURN LOGISTICS IN COLD CHAIN PHARMA

Protek Pharma's Zero Waste Return Program saves \$3M+ annually, reduces CO₂ emissions, and protects global supply chains — all with one turnkey system.



The Challenge

Cutting costs without compromising compliance

A top 10 global pharmaceutical manufacturer was using 60,000+ thermal pallet covers annually for shipments from Belgium to the U.S., discarding each after a single use. With covers priced at \$90 each, the cost exceeded \$5.4 million annually, not including the environmental toll of landfill and manufacturing emissions.

The client needed a way to lower costs, reduce waste, and protect temperature integrity — without adding logistical complexity or supply risk.



The Solution

A turnkey, closed-loop reuse system — managed end-to-end by Protek Pharma

Protek implemented a GDP-aligned, Zero Waste Program to collect, inspect, repair, and return pallet covers for reuse: rigorous quality checks are certified for reuse.

Turnkey Return Logistics: Protek handles everything — from post-delivery pickup to repair and global redistribution.

GDP-Compliant Inspection & Reuse: Every cover undergoes rigorous inspection, repair, and re-certification.

Multi-Site Redundancy: With multiple global service and manufacturing hubs, Protek ensures continued supply even during supply chain disruptions.

Zero Waste Commitment: Covers that pass inspection are returned to service. Those that don't are responsibly recycled — nothing is landfilled.

CO₂ Reduction: Each reused cover reduces emissions by avoiding new production, significantly lowering the carbon footprint of the operation.



The Results

Cost savings and sustainability at global scale

Metric	Value
Annual Shipments	60,000
Cost of New Cover	\$90
Cost of Reused Cover	\$40
Annual Cost Savings	\$3,000,000+
Reuse Rate	>85%
Covers Diverted from Landfill	50,000+ annually
CO ₂ Emissions Avoided	Significant
Service Uptime	Protected via multi-site redundancy

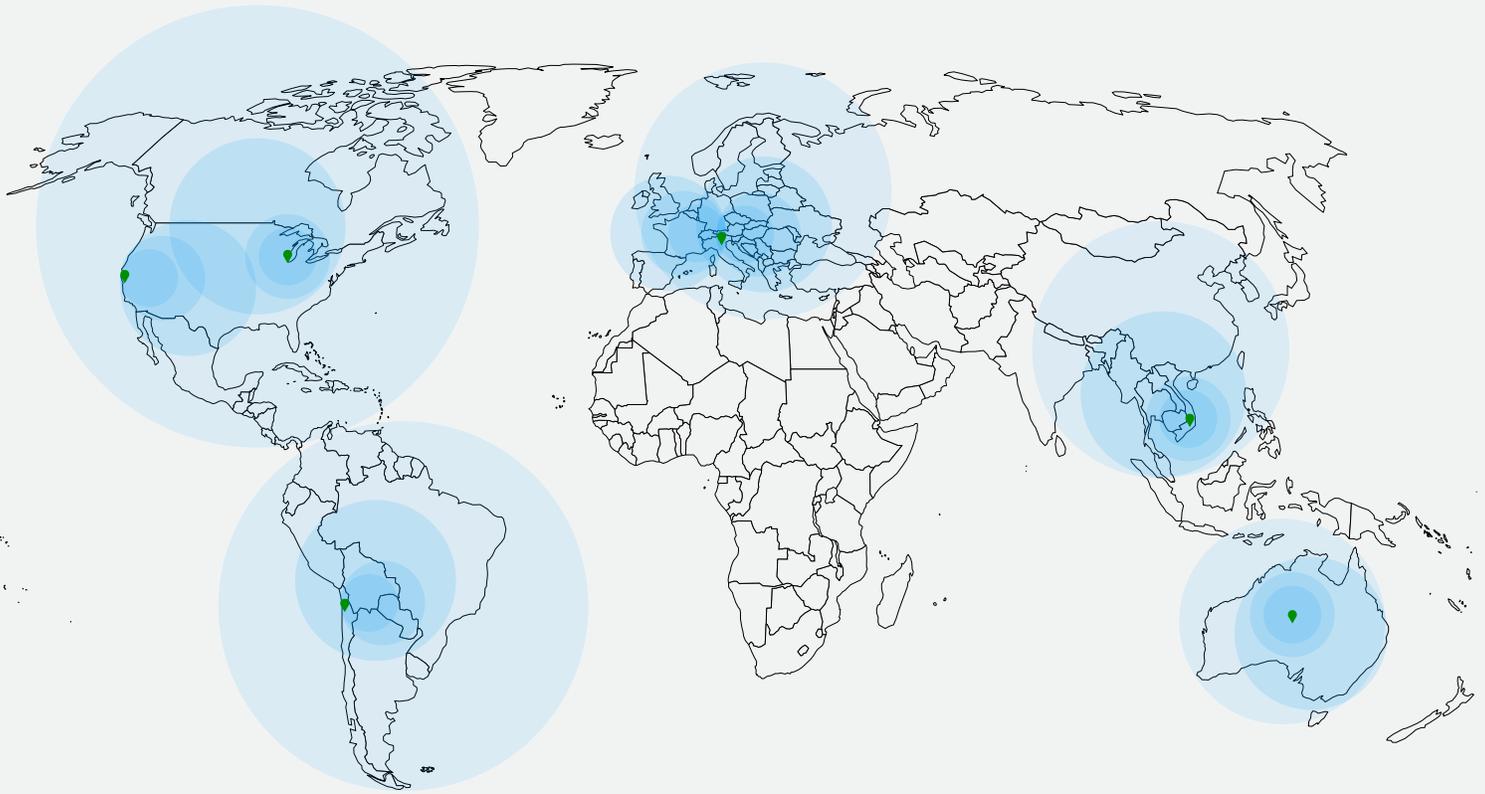
This program transforms thermal protection from a disposable expense to a reusable asset — reducing cost and environmental impact at scale.

“This program gave us full savings and full service — without the risk. Protek made sustainability simple.”

— Director of Global Logistics (Confidential Client)

The Bottom Line

- Turnkey reverse logistics program
- Zero Waste — no covers to landfill
- \$3M+ in annual savings
- CO₂ reduction through reuse
- GDP-compliant and traceable
- Global manufacturing redundancy for supply resilience



About Protek Pharma

Protek Pharma delivers sustainable cold chain solutions for pharmaceutical and life science companies. Our closed-loop, turnkey logistics programs help reduce costs, carbon emissions, and waste — all while meeting the most stringent GDP requirements.