



FOR IMMEDIATE RELEASE

United States Cold Storage Pilots Rypos Technology to Cut Reefer Emissions by Nearly 90%

CAMDEN, NJ – September 18, 2025 – United States Cold Storage (USCS), the nation’s premier provider of refrigerated warehousing and logistics, announced results from a groundbreaking pilot project with Rypos, a leader in diesel particulate filter (DPF) technology. The project demonstrated a nearly 90% reduction in emissions from refrigerated trailers, reinforcing USCS’s commitment to being the industry’s Best in Cold when it comes to people, logistics, and facilities.

The Pilot

Over a 75-day test, four refrigerated trailers (TRUs) were retrofitted with Rypos DPFs, while four trailers served as controls. Using EPA-approved methodology, USCS measured particulate matter (PM), total hydrocarbons (THC), and carbon monoxide (CO) emissions and converted them into carbon dioxide equivalents (CO₂e).

The Results

- Control Group Emissions: 10.36 metric tons (MT) CO₂e
- Rypos Group Emissions: 1.25 MT CO₂e
- Net Reduction: 8.74 MT CO₂e

To put this into perspective, an average passenger car emits about 4.6 MT of CO₂e per year. That means the reduction achieved in this short pilot is equivalent to taking nearly two cars off the road for an entire year. These results show how impactful emissions control technology can be for refrigerated transport.

“This pilot proves that innovation and sustainability can move hand in hand in the cold chain,” said Sara Cook, Sustainable Development Manager at USCS. “By partnering with Rypos, we are exploring new ways to protect the environment while ensuring our customers’ products stay safe and fresh. This is about building a better, cleaner future one reefer at a time.”

Why It Matters

TRUs are essential to preserving food quality and safety, but their diesel engines can be a significant source of emissions. Rypos filters, verified by the California Air Resources Board (CARB), destroy harmful pollutants before they exit the exhaust. For USCS, this pilot is part of a larger effort to explore scalable solutions that reduce environmental impact across its nationwide fleet.

What’s Next

USCS will continue to monitor performance of the Rypos-equipped reefers throughout 2025 and evaluate opportunities to expand adoption across its operations.

“This pilot is a strong example of what’s possible when companies move from commitment to implementation,” said Wayne Benson, national accounts manager, sustainability at Rypos. “We’re

increasingly seeing future-minded companies like USCS adopt this technology as a scalable, proven way to reduce emissions while maintaining operational continuity.”

About United States Cold Storage

United States Cold Storage (USCS) is the premier provider of refrigerated warehousing and logistics, delivering industry-leading solutions across more than 40 facilities nationwide. Guided by its promise to be the Best in Cold, USCS puts people first, leverages innovation, and builds partnerships that keep the cold chain moving. For more than 120 years, USCS has been trusted by America’s leading food companies to protect, preserve, and deliver frozen and refrigerated goods safely and efficiently. With a focus on sustainability, service, and operational excellence, USCS continues to lead the industry into the future of cold chain logistics.

About Rypos

Rypos is a leading developer and manufacturer of advanced diesel particulate filter (DPF) systems that reduce harmful emissions from diesel-powered equipment. The company’s technology, verified by the California Air Resources Board (CARB), provides reliable and durable emissions control solutions that meet strict regulatory standards. By capturing and destroying particulate matter and other pollutants, Rypos helps its customers improve air quality, reduce environmental impact, and meet compliance requirements. Headquartered in Massachusetts, Rypos serves customers across industries where diesel power is critical, including transportation, refrigerated logistics, construction, and marine applications.

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