The cold chain is the logistics network that uses refrigeration to provide uninterrupted, temperature-controlled transport and storage of perishable goods from producer to consumer. It impacts human life every day — helping to ensure that the foods we eat reach tables around the world, and medications can be safely moved for patient use and clinical trials, all while helping to alleviate global hunger and reduce the environmental and societal impact of food waste. Carrier and AWS understand that reliable, accessible cold chain technology is vital to help preserve, protect and deliver foods and medicines; reduce food waste; and care for a growing planet.

Today’s cold chain is fragmented with different providers and technologies at each stage of the supply chain, meaning limited visibility into the location, condition and handling of goods while en route and significant risk of temperature fluctuations from human error, equipment malfunctions and external events.

THE OPPORTUNITY

Temperature-controlled logistics failures cost annually in the biopharma industry ~$35 billion

For more information, visit www.corporate.carrier.com and aws.amazon.com or follow us on social media at @Carrier and @AWScloud.

The Connected Cold Chain

Carrier’s Lynx digital platform, developed in collaboration with AWS, will apply advanced IoT, machine learning and analytics technology to connect the cold chain in the cloud, automate key processes and deliver real-time visibility and insights throughout the cargo’s journey. Lynx will help Carrier customers to optimize cold chain operations, decrease energy use and enhance outcomes with reduced costs, delays, cargo loss and spoilage in transit.

THE FUTURE

LYNX DIGITAL PLATFORM BENEFITS:

- Logistics Performance
- Diagnostics & Prognostics
- Plant Optimization
- Operations Cost Optimization

The future of cold chain logistics is here. Lynx is the digital platform that connects the cold chain in the cloud, automates key processes and delivers real-time visibility and insights—ensuring the cold chain is always ready, from the farm to the store to the consumer.

THE OUTCOME

By enhancing visibility, resiliency, agility and efficiency in the cold chain, the cloud-connected Lynx digital platform will help reduce loss and support real-time decisions, while ensuring that foods and vital medications safely reach people who need them around the world.

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