



Solving for sustainability without compromising.

ABOUT TEMPERPACK



TemperPack at a Glance

At TemperPack, we protect products with materials that protect the planet.

We create best-in class solutions that help large scale companies protect shipments of fragile, fresh, or frozen goods to people's homes without unnecessary plastic waste.

600+ employees across 5 facilities

Market leader in Styrofoam replacement for perishable shipments

Over 430,000 square feet of factory space in Richmond, VA, Holt, MI, Las Vegas, NV, and Reno, NV

ISTA Certified Transport Lab - only 8th in US

Over \$200 million raised. Backed by Goldman Sachs Asset Management and Steve' Case's Revolution Growth Fund

Over 100 million shipments protected

Endorsed by Closed Loop Partners



Better packaging for better e-commerce.

Consumers, fulfillment centers, and logistics providers agree: the less packaging, the better.

At TemperPack, we supply packaging materials to some of the most advanced e-commerce companies in the US, and we 100% agree.

Although the e-commerce economy is flourishing, we see huge opportunities to make the model better by bringing new thinking to a very old problem: getting stuff from Point A to Point B as efficiently as possible, without any damage along the way.

We see 4 big trends in e-commerce packaging and have a few specific ideas to share. We'd love your feedback.

TREND

1

Less is more.

Every bit of packaging material in an e-commerce shipment drives up DIM weight and cost.

All of it must also be processed: received at the warehouse, stored, invoiced, and integrated into your fulfillment workflow.

Also, containers and packaging represent 28% of all landfill waste, according to the EPA. Let's keep that number down, please.



TREND

2

Exodus from Plastic.

As Unilever puts it: “plastic is often the lowest carbon footprint option compared to other materials. However, plastic is ending up in our environment. This has to stop.”

Research from LEK Consulting shows 55% of US consumers are willing to pay more for sustainable alternatives to single use plastic.





TREND

3

Human Centric Automation.

Our customers aren't looking for automation to replace their employees; they're looking for ways technology can make their employees even better at their jobs.

Helping people in fulfillment operations be more productive requires deep understanding of work to be done and focused, nimble automation that allows them to supercharge their output.





TREND

4

Designed to Delight and Dispose.

The best brands start with the consumer experience at home. For medical delivery to have the most positive experience and smallest environmental impact, the packaging needs to be visibly recyclable or compostable, in its form and its labeling. If packaging gets put in the trash, then nobody wins.





WAVEKRAFT®



GREENCELLFOAM™



°ClimaCell

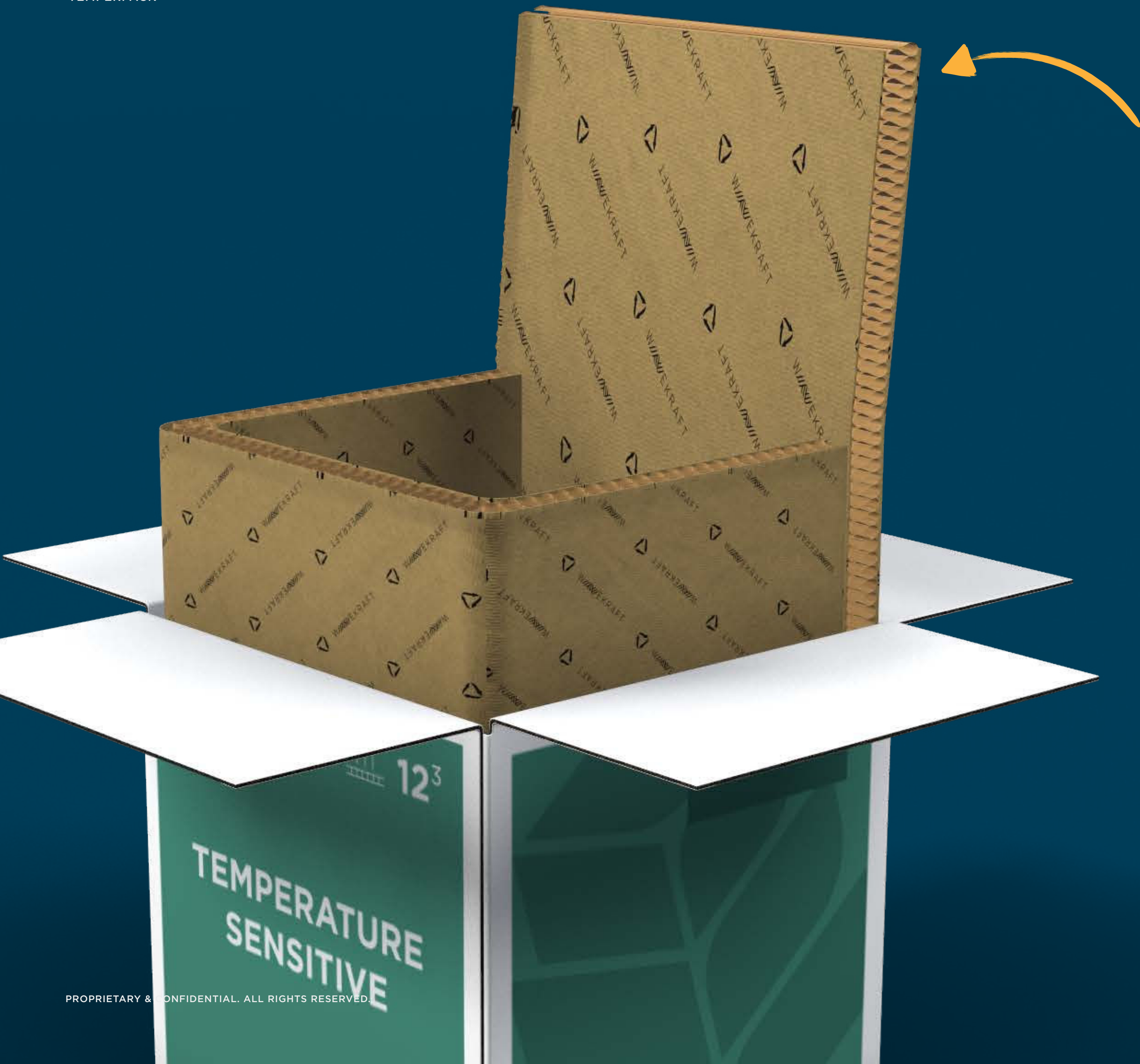
Whether you need
a high performance
compostable or
recyclable solution,
**TemperPack has
you covered.**



Green Cell liners: The versatile, compostable insulation with a range of applications and performance on par with EPS.

- ▶ Proven performance in our ISTA certified transport lab, 3rd party testing, and over 25 million customer shipments.
- ▶ Powered by monolithic panels of highly-insulating corn starch.
- ▶ Certified home compostable insulation. Available with LLDPE plastic encapsulation, recyclable with grocery bags.





WaveKraft: The on-site, on-demand insulation system designed for ultimate efficiency and flexibility

- ▶ Proven performance in our ISTA certified transport lab.
- ▶ Manufactured on-site and able to change in thickness and density with minimal changeover.
- ▶ Curbside recyclable alongside corrugate



ClimaCell liners: The curbside recyclable insulation for high velocity, high performance perishable last mile operations.

- ▶ Proven performance in our ISTA certified transport lab, 3rd party testing, and over 50 million live shipments.
- ▶ Powered by corn starch and kraft paper. Hinged panels for a secure fit.
- ▶ 90% paper and corn starch. 100% non-toxic. Easy to recycle at home.



Dedicated to performance

Ensuring the efficacy of a shipment is paramount. So we helped a recent client optimize their failing pack-out to ensure 72+ hours of thermal protection by replacing their plastic-based EPS insulation with curbside recyclable ClimaCell.

OLD EPS SOLUTION

TIME TO 8°C
40 HRS

CLIMACELL SOLUTION

TIME TO 8°C
83 HRS





Your One-Stop-Shop for Packaging Innovation and Thermal Testing



Proving Ground

Our In-House ISTA®
Certified Thermal
Transport Lab

- 10 Dedicated Engineers in Richmond, VA and Holt, MI
- 7E, 7D, and Custom Profiles
- Pack-out optimization and DIM Weight Analysis
- 250,000+ hours of chamber testing. Hundreds of customer Performance Qualification trials passed
- Equipment and solutions for shock and vibration testing



Manufacturing facilities located strategically to serve fulfillment centers across the country.

We want to make it work for you. We'll work together to optimize your solutions, taking into account geographic location, shipping duration, freight costs, and, of course, safe payload temperature, to ensure you have the best possible insulation for the best possible price.





Our Clients



DAILY HARVEST



illumina®

amazon pharmacy



Alcon



MILK BAR™

chevy





Case Study: New England BioLabs

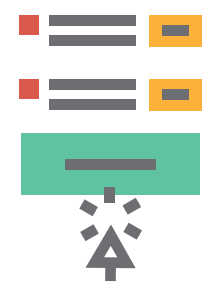
New England BioLabs® wanted to reduce its environmental impact by replacing EPS as the insulation for shipments of its valuable reagents used in life science research.

To make the change, NEB also required gains in operation and economic efficiency, in addition to sustainability. The results of our partnership...



Better Duration

The new validated pack-outs using ClimaCell maintained safe temperature longer than their previous pack-outs using EPS.



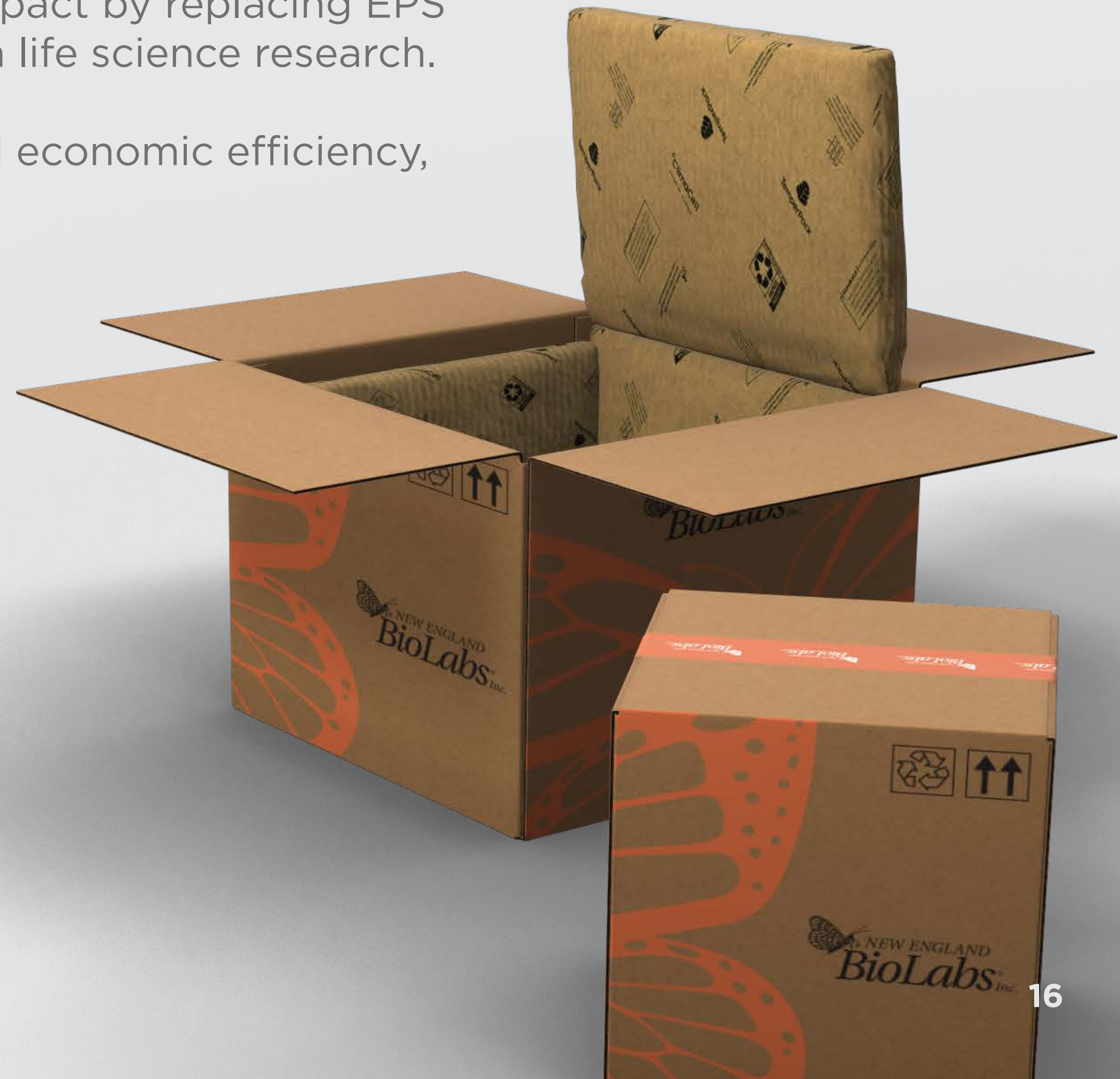
SKU Simplification

Working with TemperPack engineers, NEB consolidated two cooler sizes into one, which created significant operational efficiencies.



Streamlined Operation

By replacing shipments with recyclable ClimaCell, NEB reduced time spent processing EPS coolers returned to their facilities.





Thank You.

