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BARCEL

ISTA Forum EUROPE

Monday, October 6, 2025 8:00am - 5:30pm

ISTA Packaging Dynamics Professional Certification (Additional Fee)

Get [ISTA Packaging Dynamics Professional \(ISTA PDP\) Certified](#) with this comprehensive in-person training. To receive ISTA's Packaging Dynamics Professional (ISTA PDP) Certification, you must **complete all six PDP courses and pass the corresponding exams**. Take the ISTA PDP Certification exams conveniently online through ISTA's learning platform—complete with full video presentations and course content to help you prepare and succeed. **PDP courses included:**

- **PDP 101:** Principles of Distribution Packaging
- **PDP 201:** Atmospheric & Compression Hazards in Transit
- **PDP 202:** Shock & Drop Hazards in Transit
- **PDP 203:** Vibration Hazards in Transit
- **PDP 204:** Test Laboratory Operations & Instrumentation
- **PDP 205:** Test Procedures & Enhanced Simulation Testing

[Click here](#) to view the full schedule and rates with and without Forum registration.

Led by expert ISTA Instructor Giovanni Rissi, this in-person training is a convenient option to becoming a certified ISTA Packaging Dynamics Professional.



Tuesday, October 7, 2025 8:00am - 12:30pm

Attendee Check-In

Stop by to check in, pick up your ISTA Forum Europe session materials, and collect your name badge. Our team will be ready to welcome you and ensure you have everything you need.

Tuesday, October 7, 2025 11:30am - 12:30pm

Welcome Networking Lunch Networking Hub

Join us at the ISTA Forum Networking Hub for a welcome lunch with sponsors. Enjoy a relaxed meal while catching up with friends old and new. It's the perfect way to start the ISTA Forum Europe, and we look forward to welcoming you!

Tuesday, October 7, 2025 12:30pm - 2:15pm

Tuesday Afternoon | Session 1

12:30pm - Welcome & Meet Your Fellow Delegates

Event: TransPack

Location: Room: Sky 2-3

A.J. Gruber

ISTA

A.J. will open the TransPack sessions with key information to help you make the most of the event. This is also a great opportunity to meet and connect with fellow attendees as we kick things off together.

12:30pm - Welcome & Meet Your Fellow Delegates

Event: TempPack

Location: Room: Studio 1-3

Bryan Cardis

Cold Chain

Technologies

Bryan will open the TempPack sessions with key information to help you make the most of the event. This is also a great opportunity to meet and connect with fellow attendees as we kick things off together.

12:45pm - Beyond The Hype: How AI Is Actually Transforming Packaging Innovation

Event: TransPack

Location: Room: Sky 2-3

1:15pm - Medical Drone Delivery: Current State of the Art and Future Ahead

Event: TempPack

Location: Room: Studio 1-3

Daniel Castillo

BCN Drone Center

New modes of transportation are emerging across societies to reduce carbon emissions, enhance safety, and improve service quality—among them, uncrewed aerial systems (UAS), commonly known as drones.

These systems integrate a range of scientific fields, including satellite communications, robotics (such as autopilot systems), aerodynamics, lightweight materials, and efficient energy generation and storage technologies.

As with any major innovation, the rise of drones brings its own set of challenges. To justify their adoption, these challenges must be balanced by meaningful social benefits—one of the most significant being improved healthcare outcomes.

In civil applications, drones are poised to transform healthcare logistics, particularly for remote communities with limited access to medical services. Their low operating costs enable the establishment of direct delivery routes where none previously existed.

While drone technology is advancing rapidly, civil aviation authorities remain cautious, restricting airspace access to ensure safety. This conservative stance is understandable, yet around the world, a growing number of successful

proof-of-concept flights continue to demonstrate the potential and effectiveness of drone-based logistics.

Beyond aviation regulations, standard compliance for transporting medical goods remains essential. This includes adherence to good distribution practices to preserve cold chains and maintain physical custody. Biological materials are also subject to strict protocols. Integrating these regulatory frameworks is critical to ensuring that the drone logistics ecosystem meets current healthcare and industry standards.

1:30pm - Market Trends in Packaging

Event: TransPack
Location: Room: Sky 2-3

Eve De Clerk
Smithers

The global packaging industry is undergoing rapid transformation driven by shifting consumer preferences, sustainability goals, and technological advancements. This presentation explores key market trends shaping the future of packaging across sectors, including end uses, material and regional differences. It will examine the rise of sustainable materials, such as biodegradable plastics and fiber-based solutions, as well as the growing demand for smart and functional packaging that enhances user experience and product safety. The impact of regulatory pressures on innovation and supply chains will also be addressed. Additionally, the presentation highlights how trends outside of sustainability are forcing the packaging industry to move towards a circular economy model, driven by regulatory pressures, technological innovation, changing consumer demands, and economic factors.

1:45pm - Educational Outreach Presentation

Event: TempPack
Location: Room: Studio 1-3

Bryan Cardis
Cold Chain Technologies

Join Bryan Cardis to learn more about Educational Outreach.

Tuesday, October 7, 2025 2:30pm - 3:00pm

Beverage & Snack Break with Sponsors
Networking Hub

Join us in the Networking Hub for a chance to meet up with fellow attendees and to meet the Forum Sponsors. Beverages and Snacks included.

Tuesday, October 7, 2025 3:15pm - 5:00pm

Tuesday Afternoon | Session 2

3:00pm - The Insufferable Weight of Load Bearing

Event: TransPack
Location: Room: Sky 2-3

Gerard van den
Boogaard

*Smurfit Westrock
Development Centre*

In today's packaging world, integrated packaging design is essential to ensure that the pack and the product work well together. We will explore the details of integrated packaging design, focusing on how to use different types of consumer packs like cans, bottles (glass and plastic), drinking cartons, and more to their fullest potential. The main goal is to deliver the product to the end user in the desired quality.

3:30pm - Engineering, Implementing, and Monitoring Returnable Packaging in Asia

Event: TransPack

Location: Room: Sky 2-3

Kevin Marchetti

TransPak

Engineering, Implementing, and Monitoring Returnable Packaging in Asia

- Developing a system for returnable packaging solutions requires a certain set of circumstances to be viable. However, knowing these circumstances is only the first step of the journey.
- TransPak is an industry leader in returnable packaging, with multiple returnable packaging solutions implemented across the world. And Kevin is involved in the work to develop and implement these returnable packaging solutions, as well as manage existing returnable solutions within Asia.
- Through this presentation, Kevin hopes to share what it takes to get a returnable packaging solution off of the ground – based on real-world experience and challenges.
- If the circumstances are suitable for a returnable packaging solution – then development requires various different expertise working in harmony to succeed. Firstly, an engineered solution to meet the customers needs as well as the transportation environment are needed. Next, implementation requires a tailored supply chain considering various geographical and logistical factors. Lastly, monitoring of the returnable packaging solution needs diligent tracking and controlling, as well as pivoting when challenges arrive.
- Returnable packaging solutions offer great potential in terms of cost savings, material savings, and material efficiencies. But the success of the returnable packaging solution relies on understanding the challenges that may arise and overcoming them.

3:00 - Beyond The Hype: How AI Is Actually Transforming Packaging Innovation

Event: TempPack

Location: Room: Studio 1-3

Tey Bannerman

McKinsey & Company

The packaging industry stands at a technological inflection point - where AI has enormous potential to not just improve efficiency, but to fundamentally change what's possible. Tey will explore the dual forces of speed and scale that AI introduces to packaging development, enabling unprecedented innovation in materials testing, virtual prototyping, consumer experience design and beyond. Through real-world case studies, emerging research, and success from across industries and sectors, this session cuts through the noise to reveal tangible applications already reshaping the industry. We'll examine how leading companies are navigating this new landscape to create solutions that would be impossible through traditional methods alone, and highlight how human expertise and AI capabilities combine to create a powerful synergy. Attendees will leave with a clear understanding of how to implement AI

strategically in their packaging operations, regardless of company size or technical maturity.

2:45pm - Evaluating the Impact of Reprocessed Content and Reprocessing Cycles on the Performance of Polyethylene Stretch Films

Event: TransPack

Location: Room: Sky 2-3

Lore Gielkens
Hasselt University

Plastic packaging materials are essential for goods protection and during transport, but their environmental impact has prompted regulatory action. The EU's PPWR 2025/40 mandates 35% recycled content by 2030, rising to 65% by 2040. This research investigates how reprocessed content and multiple reprocessing cycles affect LLDPE stretch film performance for palletised loads.

As part of the MultiRec project, this research evaluates films containing 0%, 35%, and 60% reprocessed LLDPE subjected to 5, 10, or 15 reprocessing cycles. The study examines mechanical properties, transport performance, UV-resistance, and seeks to interpret the findings based on chemical analysis.

Results show that chain scission is the dominant degradation mechanism, reducing polymer chain length and weakening polymer networks. While films maintained load stability in transport tests, mechanical performance decreased with increased reprocessing. Machine direction tear resistance showed the most pronounced degradation of mechanical properties, dropping from 5.3 +/- 0.35 N (virgin) to 0.70 +/- 0.14 N (15x60%). Another clear trend was the increase in permanent deformation and reduction in stress retention, indicating a loss of elasticity. The 15x60% film failed during wrapping at 100% pre-stretch due to gauge band defects. Surprisingly, UV-resistance improved with more reprocessing levels, likely due to increased Hindered Amine Light Stabiliser (HALS) concentrations.

Findings suggest the EU's 2030 target appears achievable, the 2040 target needs advancements to overcome performance limitations.

2:45pm - ISTA Pharma Committee Update: Advancing The Industry Through Collaboration

Event: TempPack

Location: Room: Studio 1-3

Bryan Cardis
*Cold Chain
Technologies*

Join the ISTA Pharma Committee Officers as they provide insights into the ongoing advancements of the Pharma Committee, offer an overview of the recently developed guidance documents, and outline the committee's upcoming initiatives. The ISTA Pharma Committee is an Ad Hoc Technical Committee comprised of individuals from both supplier partners and Life science end-user organizations involved in the supply chain for temperature-sensitive products. The committee's goal is to develop and publish peer reviewed technical guidance that addresses relevant needs of the industry as well as provide a forum for industry members to collaborate and share best practices.

4:00pm - Live Benchmarking Breakout: Packaging Insights

Event: TransPack

Location: Room: Sky 2-3

A.J. Gruber
ISTA

Join us for an interactive benchmarking session featuring live polling to gain real-time insights into best practices, sustainability strategies, damage rates, emerging trends, and the role of technology in optimizing packaging solutions. Compare your approach with industry peers and discover ways to drive smarter, more sustainable packaging

decisions.

3:45pm - White Paper Updates & Breakout Discussions: Sustainability | Frozen Shipments | Real-Time Monitoring

Event: TempPack

Location: Room: Studio 1-3

Richard Peck

*OnAsset Intelligence
Inc*

Maarten Kleverlaan

Topa Institute

Ben VanderPlas

Sonoco ThermoSafe

You've heard from industry colleagues about how they're approaching some of the hottest topics currently being faced in the temperature-controlled supply chain. Now, it's your chance to come together in smaller groups and share some of your experiences and approaches to current challenges. Perhaps you've already tackled a problem someone else is facing, or maybe someone can offer the solution to your question.

Tuesday, October 7, 2025 5:30pm - 7:30pm

Networking Social Mixer with Sponsors

Gather with fellow attendees and friends at the ISTA Forum Networking Hub! Beer, Wine and hors d'oeuvres will be provided. Open to all registered ISTA Forum Europe attendees.

Wednesday, October 8, 2025 8:30am - 10:00am

Wednesday Morning | Session 3

8:30am - Temperature Controlled Pharmaceutical Standards and Guidance Update

Event: TempPack

Location: Room: Studio 1-3

Chris Anderson

Cardinal Health

The ISTA Pharma Committee is committed to providing education and guidance through Technical Exchange sessions, work groups, ISTA Connect, and conferences.

Pulling together subject matter experts to design and publish guidance, these work groups focus on best demonstrated practices, regulatory requirement, and other significant industry guidelines and publications. This holistic global view ensures the best guidance from ISTA Pharma for ISTA members, and everyone involved in the pharmaceutical supply chain responsible for safe and effective delivery of pharmaceuticals to healthcare providers and patients.

This session will focus on recent activities/updates from:

- US Pharmacopeia (USP) Packaging and Distribution Expert Committee,
- Parenteral Drug Association (PDA),
- Asia-Pacific Economic Cooperation (APEC),
- International Organization for Standardization (ISO),
- International Air Transport Association (IATA),
- BioPhorum Operations Group (BPOG)

9:00am - Lithium Battery Packaging Optimization: Monitoring, Testing & Sustainable Redesign In Line With EU PPWR Regulation

Event: TransPack

Location: Room: Sky 2-3

Jorge Ferrer
*Safe Load Testing
 Technologies*

Safe Load Testing Technologies presents a successful case study focused on redesigning and validating the packaging of lithium batteries for the company Next Electric Motors, with the aim of improving sustainability and efficiency.

The challenge: replacing plastic materials with a more sustainable solution without compromising product protection during transportation.

A real distribution route was monitored to identify the most critical incidents occurring during transit. Based on this data, a testing plan was defined using the ISTA 3L protocol and insights obtained from the route analysis.

The new packaging resulted in a 20% reduction of the carbon footprint generated by the packaging, while fully protecting the product during transportation.

This project demonstrates how innovation in packaging design and validation, using ISTA testing protocols, can make a decisive contribution to the sustainability goals set by the European PPWR regulation.

9:00am - Development of? Sustainable Packaging Based on Agroindustrial Byproducts?

Event: TempPack

Location: Room: Studio 1-3

Antonella Cavazza
University of Parma

New trends in packaging research recommend ecological transition towards circular economy, encouraging use agroindustrial byproducts. In this context, a project focused on the development of innovative biodegradable materials enriched with?tomato and artichoke byproducts, or obtained from residues from processing of durum wheat pasta, has been carried out.

The multidisciplinary of the involved team was a key factor that allowed a synergy between chemists, engineers, and

designers, facing different aspects of the entire process of packaging development.

Cellulose-based materials and biodegradable foams were designed in terms of macro- and micro-cellular structure to provide exceptional vibration and impact protection for fragile products. Origami-inspired geometry and cellular foams were studied to evaluate vibration attenuation and impact mitigation. The dynamic properties of the structures were investigated through elastic wave propagation analysis, demonstrating that an absolute band gap can be obtained and tuned according to geometry. Foam prototypes were mechanically tested to evaluate elastic behaviour and energy absorption capabilities.

Through an immersive workshop, the research investigated the strategic role of packaging design as both a communicative and protective device, exploring the experimental features of these emerging materials. The design activity led to the development of concepts and prototypes integrating sensoriality, aesthetic qualities, and mechanical performance, examining the formal and functional potential of materials to define innovative solutions.

The achieved results permitted to obtain materials that can be proposed in many fields including cosmetics and jewellery. Further developments will focus on LCA, economical sustainability, and process optimisation for potential industrial production.

9:30am - The Challenge Of Transitioning To Alternative Packaging Materials Other Than Plastics

Event: TransPack

Location: Room: Sky 2-3

Frank Blaznik

*Electrolux Rothenburg
GmbH*

Looking for alternative and more sustainable packaging solutions for household appliances at a global level is a big challenging task. This presentation will provide an overview of how Electrolux approached this activity and show main milestones, the different development steps and learning along this journey from past years. External factors like specific customer requirements, country related standards or regional regulations have to be respected as well as internal company and product related requirements considering the implementation in existing production line concepts with the ability to scale the same new packaging concept to the full range, in a modular way on the example of Cook Tops and Build-In ovens.

In summary the switch to alternative packaging solutions requires a very well mapping and understanding of all impacting but also influencing factors to develop the right packaging for related products. It is key to also develop the right understanding of how new alternative materials, in this case fiber and cardboard based materials, provide similar protective function. It is needed to know the technical material details to be able to define and design alternative solutions. Within this transition to alternative packaging material and solutions we also have to challenge the status quo of existing test methods as they may need to be adapted to reflect the real-life logistic chain with all its influencing factors.

9:30am - Optimization of Thermal Shipper Design Using AI and Machine Learning Approaches

Event: TempPack

Location: Room: Studio 1-3

Md Abu Hasan

*ISC Labs, ThermoSafe
Brands*

With the growing emphasis on sustainability, the demand for optimized shipper solutions that minimize weight and components is higher than ever. Thermal simulation has been a valuable tool in the cold chain industry for accelerating the life cycle of thermal shippers and understanding the impact of various design parameters. In this talk, we will explore how AI and machine learning can further enhance shipper design optimization. We will provide insights into design of experiments using thermal simulation to generate input data for ML models. By leveraging AI/ML approaches, we aim to highlight the transformative potential for creating more efficient and sustainable cold chain solutions.

8:30am - PPWR and Its Impact on Transport Packaging – Navigating New Regulatory Realities

Event: TransPack

Location: Room: Sky 2-3

Lina Wimmer

Circular Analytics TK

GmbH

Coming soon.

Wednesday, October 8, 2025 10:00am - 10:30am

Beverage & Snack Break with Sponsors

Join us in the Networking Hub for a chance to meet up with fellow attendees and to meet the Forum Sponsors. Beverages and Snacks included.

Wednesday, October 8, 2025 10:30am - 12:00pm

Wednesday Morning | Session 4

10:30am - Innovations In Protective Packaging Solutions And The Need For Package Testing

Event: TransPack

Location: Room: Sky 2-3

Stuart Roberts

Strebor Consultancy

This non commercial presentation would cover the following points

- Definition of why we need protective packaging
- Brief review of the present protective packaging market
- Why sustainability is a need in pack design - minimum packaging giving maximum protection
- Package testing is the key to address new innovations in protective packaging
- Non commercial review of new packaging innovation solutions in the market today and the future
- Why we need both plastic and paper packaging innovations

11:00am - Can Sustainable Packaging Be Cheaper and More Efficient?

Event: TransPack

Location: Room: Sky 2-3

Loïc Vandermeeren

KWiiD

The use of resources is a major challenge in every sector. The world of packaging makes no exception. In combination with cost and efficiency challenges that companies face, it makes sustainable packaging a hot topic. However, reusable packaging solutions face persistent challenges that hinder widespread adoption:

1. Complex and inefficient reverse logistics
2. Cumbersome handling
3. Higher operational costs compared to single-use alternatives

In partnership with Decathlon Switzerland, KWiiD has developed and implemented a reusable packaging solution that achieves a 97% reduction in CO2 emissions per cycle compared to disposable packaging, while also delivering cost savings at scale.

11:30am - ISTA Updates | Standards, Certification, Research, and Education

Event: TransPack

Location: Room: Sky 2-3

Eric Hiser

ISTA

Brian O'Banion

ISTA

Matt Thompson

ISTA

ISTA Staff will provide on update on all the latest activity within the organization and information on how to get involved.

11:00am - Impact of Humidity on Pallet Images

Event: TempPack

Location: Room: Studio 1-3

Matilda Wilson

Merck & Co.

This session will focus on the creation and rationale behind compensating factors (F values) and how to utilize the knowledge for appropriate business use, as well as impact of those altered compression weights to testing results on corrugated materials. Additionally, special attention will be given to how the factor of humidity impacts the calculated compensating factors and what real-world situations should be considered when determining the variables for the calculation. The discussion will be centered around the risk, benefit, and strategy of utilizing custom compression calculations to fit individual business needs as well as presenting actual testing data from ISTA 3E testing using altered F values.

10:30am - PPWR and the Pharmaceutical & Life Sciences Sector – Navigating New Regulatory Realities

Event: TempPack
Location: Room: Studio 1-3

Lina Wimmer
*Circular Analytics TK
GmbH*

Coming soon.

Wednesday, October 8, 2025 12:00pm - 1:00pm

Networking Lunch

Grab some lunch, relax, and chat with other attendees — a great chance to make new connections.

Wednesday, October 8, 2025 1:00pm - 3:00pm

Wednesday Afternoon | Session 5

1:00pm - Networking Trivia!

Event: TransPack
Location: Room: Sky 2-3

A.J. Gruber
ISTA

Get ready for some fun networking trivia! Who doesn't love a little friendly competition!

2:00pm - Panel Discussion

Event: TempPack
Location: Room: Studio 1-3

Richard Peck
*OnAsset Intelligence
Inc*

Panelist and details to come.

1:30pm - Characterization Of Last-Mile Routes In Spain: Evaluation Of Vibrations And Shocks.

Event: TransPack
Location: Room: Sky 2-3

Marta Garrido Garcia
ITENE

The objective of this study was to generate last-mile test protocols for e-commerce distribution routes, carried out in cities with optimal road conditions such as those found in main Spanish cities with a particular focus on shocks and vibrations. The study was conducted using delivery vans, with 8 to 10 m3 and 1.5 tonnes capacity fitted with air suspension, operated by delivery companies. The data presented in this study, is aimed at reducing the 'last mile' distribution damage while avoiding overpackaging, by improving and optimising packaging design and test protocols.

In this study, representative last-mile distribution routes in Spain were selected and the resulting shocks and vibrations were measured, analysed with the specific aim of developing laboratory simulation test protocols for the last-mile transport environment in Spain and similar distribution environments. In addition, a detailed study of the shocks encountered during last-mile delivery routes were made to evaluate the influence of fragility labels on the handling severity of packages.

The method for calculating the Effective Drop Height (EDH) from shock acceleration measurements were validated by controlled laboratory experiments using a free-fall drop testing apparatus. Drop height estimated from shocks during last mile routes were compiled to produce a laboratory test protocol for drop tests.

Vibration data were subjected to frequency analysis to obtain the Power Spectral Density (PSD) as well as the calculation of an overall, representative PSD based on the Upper Normal Tolerance Limit (NTL) (30, 95,50) analysis.

2:00pm - Paper-Based Sustainability in E-commerce: A Case Study in Plastic-Free Packaging

Event: TransPack

Location: Room: Sky 2-3

Stefano Corna
Grifal S.p.A.

This presentation offers a detailed case study of a mono-material, paper-based packaging solution developed to replace plastic in the HoReCa sector, in response to evolving EU regulations and growing market demand for sustainable alternatives.

It will cover the full range of tools and actions used—not only advanced simulation systems, lab testing, and the Pugh matrix to assess material performance and certify environmental targets, but also the specific strategies implemented to highlight the strengths of the solution and to limit or overcome its weaknesses.

By navigating critical design constraints—dimensional fidelity, assembly efficiency, component minimization, e-commerce compliance (ISTA 6 Amazon), and the consumer unboxing experience—our team designed a solution that not only met the client's sustainability goals but also improved logistical metrics such as warehouse volume optimization and freight efficiency.

(See abstract details in the attached pdf file).

2:30pm - Cargo Securing: Beyond Borders And Why Safe Transport is Everyone's Business.

Event: TransPack

Location: Room: Sky 2-3

Kurt Garrez
*Federale Highway
Police Belgium*

Europe aims to harmonise road checks, including load securing, as set out in Directive 2014/47/EU. Although it was supposed to be transposed into national legislation by 2018, implementation in member states has been uneven. In Belgium, the cargo securing network of the integrated police, in cooperation with the government, has realised a clear legal text that covers the responsibilities of carriers, shippers, shippers as well as packers.

Within our network, we have translated this into monthly checks and training to align all control services. Through active cooperation with partners such as transport unions, we see a clear change in mentality in Belgium.

However, the physical forces acting on goods during transport - which do not stop at national borders - mean that poor cargo securing or packaging can have disastrous consequences. Think damage to goods in case of emergency braking, but also the serious impact on road safety. After all, what is the value of good packaging if the cargo is not secured correctly?

Our network is currently working with a research institute to further quantify the impact of loads on road safety. We expect to share the results in early October, but the police findings by our services already speak volumes about the urgency of this issue.

Wednesday, October 8, 2025 3:00pm - 3:30pm

Beverage & Snack Break with Sponsors

Join us in the Networking Hub for a chance to meet up with fellow attendees and to meet the Forum Sponsors. Beverages and Snacks included.

Wednesday, October 8, 2025 3:30pm - 5:15pm

Wednesday Afternoon | Session 6

4:00pm - Developing and Testing Reusable Fiber-Based Packaging

Event: TransPack

Location: Room: Sky 2-3

Girts Derums

Stora Enso

As part of a collaborative initiative between Stora Enso and a key customer, we explored the feasibility of implementing reusable corrugated packaging within an existing distribution loop - from a central warehouse to retail stores. Traditionally, the packaging used in this system was single-use and recycled after delivery. With regular return logistics already in place, we investigated reusing the boxes for multiple trips, prompting us to jointly investigate the practical and technical requirements of such a system.

From the outset, we identified critical design and performance needs: the box had to be durable, collapsible, easy to assemble, and suited for repeated use. While early prototypes enabled a pilot phase, real-world failures quickly highlighted the need for a more systematic testing process before scaling the solution - both to ensure performance and to manage cost and time efficiently.

At this stage, our in-house testing lab became deeply involved. Developing a test protocol for reusable corrugated packaging presented a unique challenge, as existing standards offered only limited guidance. Drawing from select ISTA test blocks and adapting creative, custom approaches - such as realistic load simulation and handle durability testing—we built a tailored testing methodology. In this presentation, I will share our experience, key learnings, overview of test plan and practical considerations that may benefit others exploring reusable packaging. With upcoming PPWR regulations set to mandate reusable solutions in some fields in the European market, this topic is increasingly relevant and timely for industry professionals.

3:30pm - Navigating the Waves: Quality and Compliance in Cold Chain Sea Logistics

Event: TempPack

Location: Room: Studio 1-3

Kristian Williams
*Cold Chain
Technologies*

Are you interested in understanding quality and compliance in cold chain sea logistics? This presentation will provide a case study that explores the benefits of air to sea conversion and will cover cost savings, optimization, environmental, security, stability, and reliability opportunities/challenges through a Lane Qualification/ Performance Qualification (PQ) study using biologic 2-8C product. Data will be presented to support benefits and outcomes.

Wednesday, October 8, 2025 6:00pm - 9:00pm

Closing Dinner Celebration by the Sea

Join us at [Xiori](#), a beautiful seaside venue in Barcelona, for a relaxed and memorable evening to wrap up the Forum. Enjoy delicious paellas, tapas, and cocktails with stunning views of the Mediterranean.

Transportation will be provided, and a **Forum name badge is required** for entry. This reception is **complimentary for attendees**, and **guest tickets** can be purchased during registration.

Location: [Passeig Marítim de la Nova Icària, 38, Sant Martí, 08005 Barcelona, Spain](#)

