BASE

Battery Passport for
Transparency and Circularity

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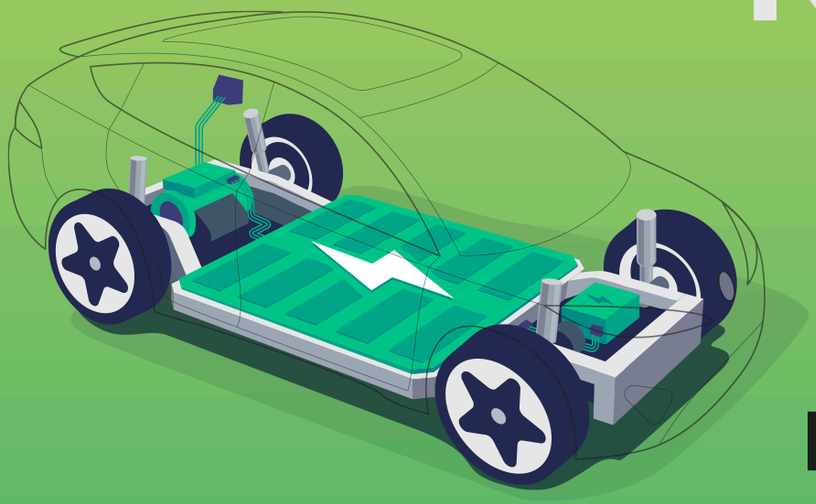
Newsletter

October 2025



Battery Innovation Process

Features & Highlights

BASE Project Celebrates its First Anniversary!

What an exciting year for the **BASE project!** We have proudly marked the successful first year of the project since the kick-off last July, full of events, achievements, and progress! A big thank you to all our partners and stakeholders for setting this cornerstone; your support made it possible. To celebrate this exciting milestone, we have created a special video to help you relive this year's highlights with us!

Watch the Video

UN Open Source Week 2025: BASE Goes Global Again!

Artech International, one of the consortium members of the **BASE Project,** was invited by the United Nations Digital & Emerging Technologies team to participate in the prestigious UN Open Source

Week, which took place 16–20 June 2025 at the United Nations Headquarters in New York. In the event, Artech International informed and promoted the critical role of open-source technologies in the development and implementation of Digital Product Passports (DPPs) and the European landscape, with a particular focus on the work of the BASE Consortium.

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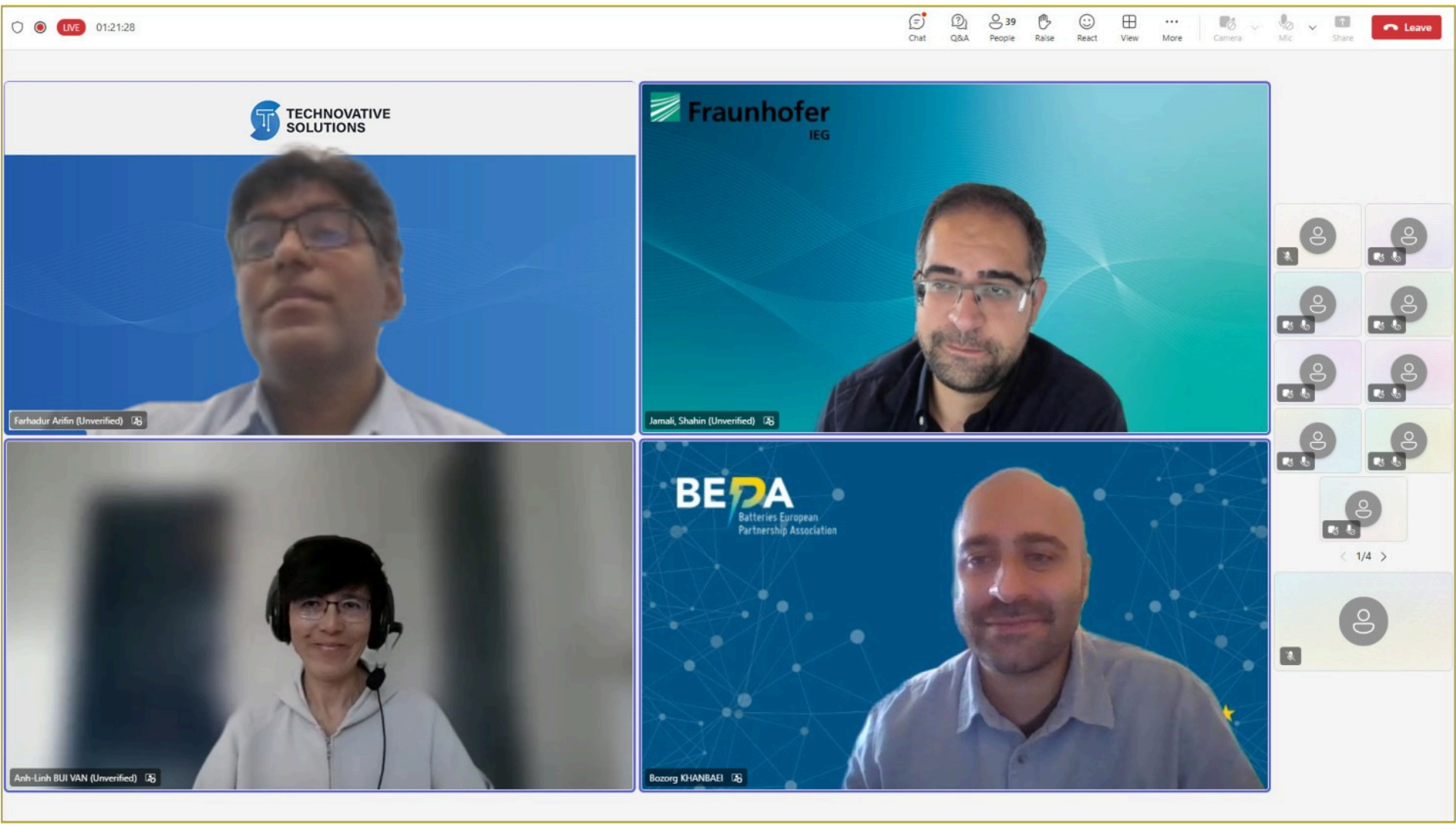
Making the Battery Passport a Reality: from Data Methodology to Deployment



BASE Project was featured at the BEPA - Batteries European Partnership Association's Technology Talk *"Making the Battery Passport a Reality."*
Our project coordinator, Dr Shahin Jamali (Fraunhofer IEG) and Farhadur Arifin (Technovative Solutions Ltd), shared how BASE is building a secure, interoperable Digital Battery Passport platform to support compliance, resilience, and circularity across the battery value chain.

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BASE Knowledge Hub

The Digital Battery Passport: Why Europe Must Adopt It by 2027

Batteries have become essential to modern living and clean mobility. To ensure their sustainable production and traceability, the EU will require all large batteries to include a Digital Battery Passport by 2027 under the new Battery Regulation.

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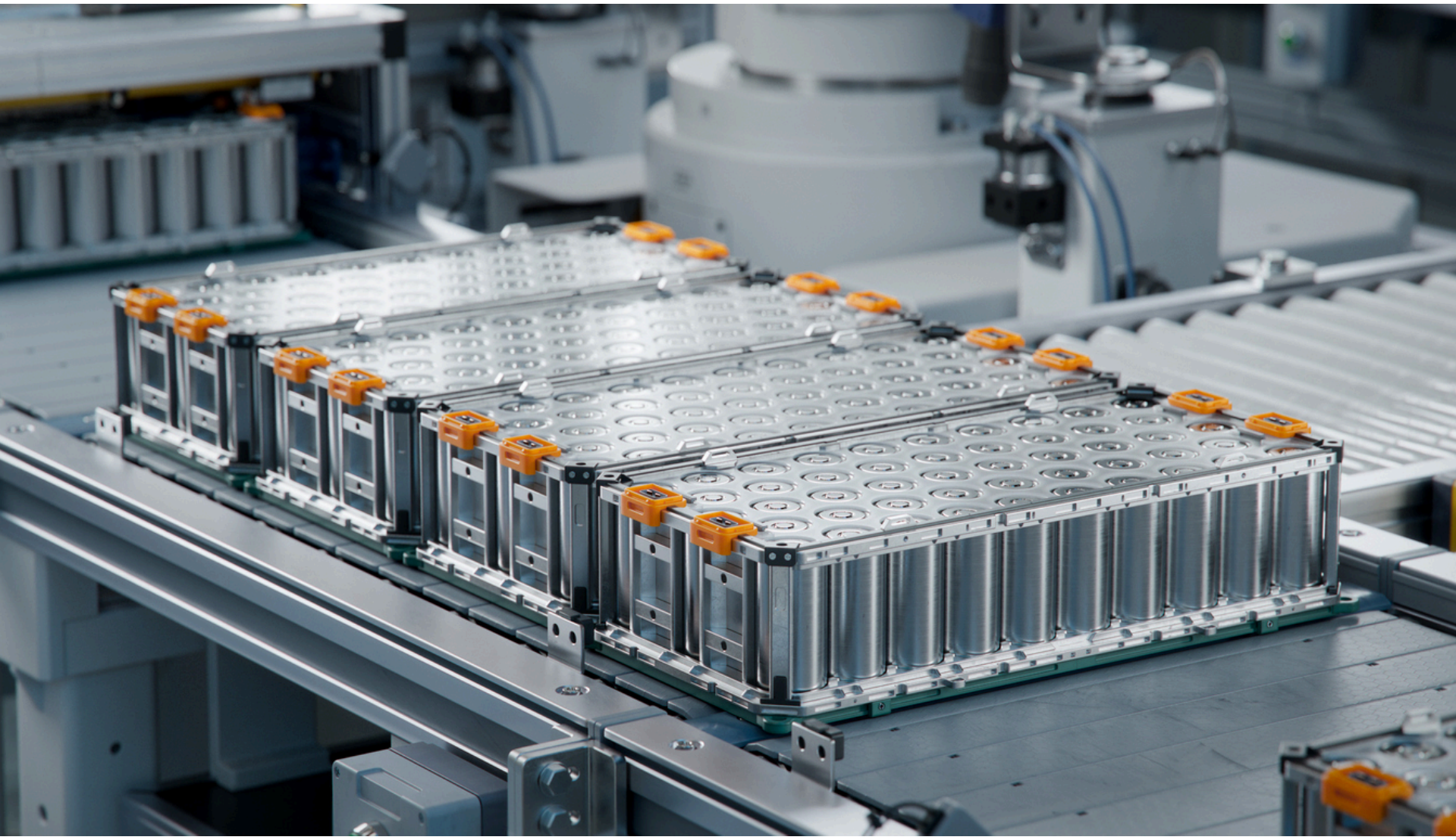
Why Definitions Matter: From Cells to Packs, Building a Shared Language for the Digital Battery Passport



From cells to packs, the Digital Battery Passport relies on a shared battery language to ensure data consistency and compliance. Yet, across the industry, differing definitions between manufacturers, departments, and systems continue to cause traceability gaps and reporting errors.

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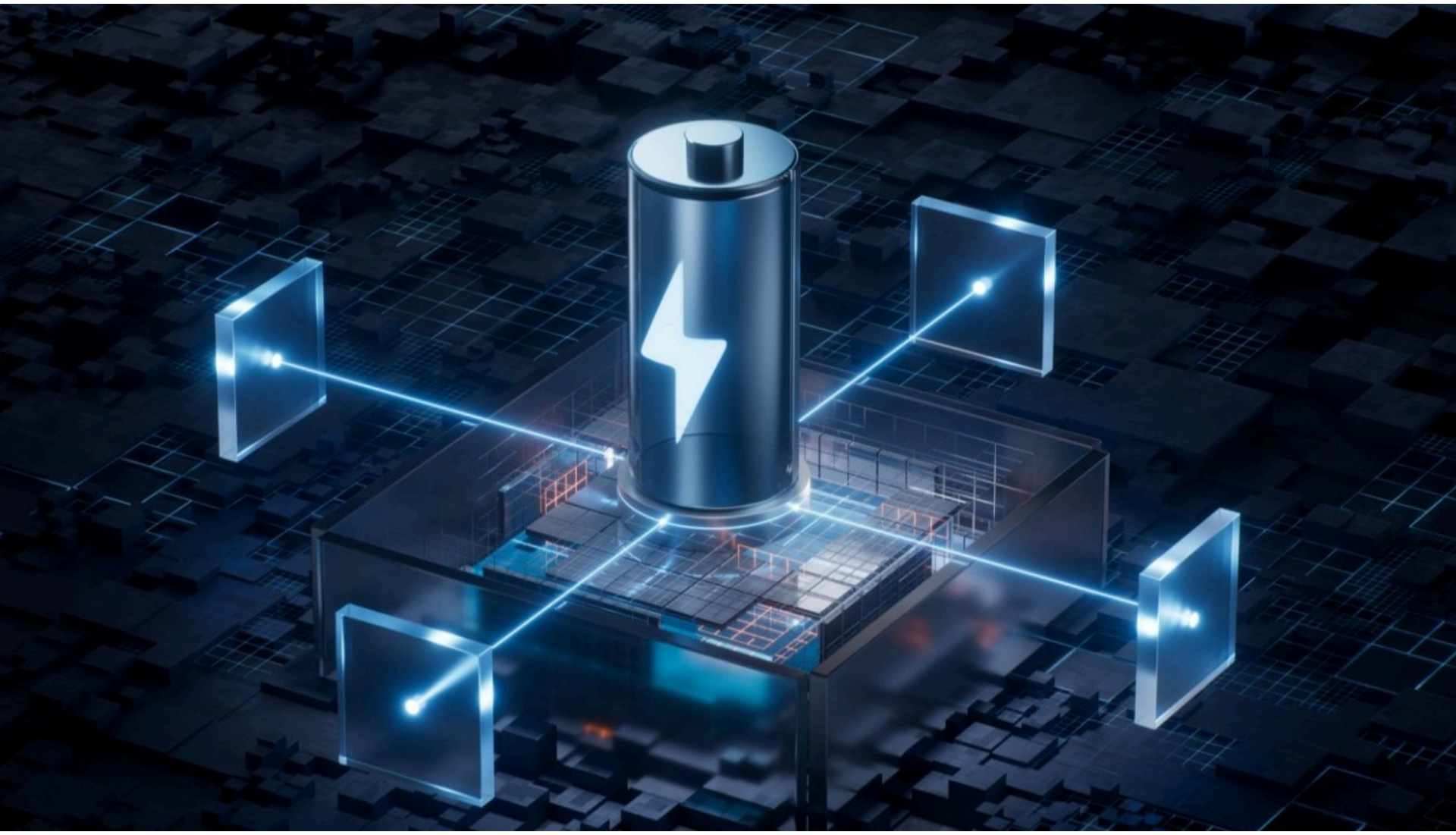
How Digital Battery Passports Help Meet EU

Recycling Targets – BASE Project Insights



Global policy efforts are converging to make battery production more transparent and accountable. As governments set standards for sustainable supply chains, initiatives like the EU-funded BASE Project are turning these policies into practice through interoperable and trusted Digital Battery Passport systems.

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Global Policies Driving Battery Passports and Circular Economy

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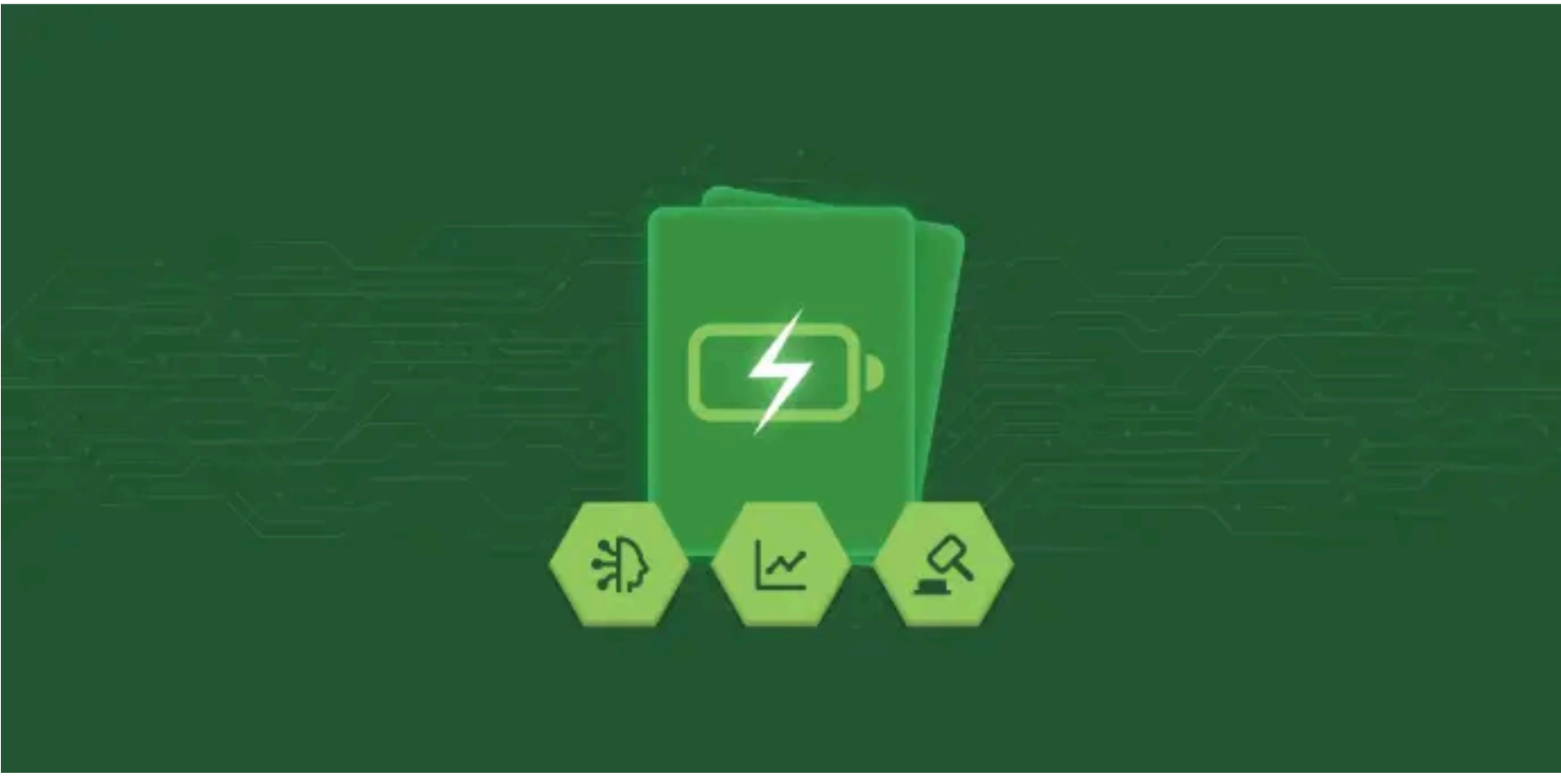
Battery Passport Implementation: Addressing Technological, Economic, and Regulatory Challenges



The Digital Battery Passport is central to the EU Battery Regulation. However, turning this vision into reality requires addressing significant challenges. Technological readiness, economic feasibility, regulatory harmonisation, and cross-border trade considerations are just a few categories that shape how DBPs will be adopted.

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Challenges and Opportunities in Establishing a Global Digital Battery Passport System

A global Digital Battery Passport (DBP) could make battery data traceable, sustainability claims verifiable, and circular economies achievable across borders. Yet, realising this vision means tackling regulatory, technological, and economic hurdles, challenges that also present opportunities to shape a more connected and sustainable global battery ecosystem.

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Press & Media

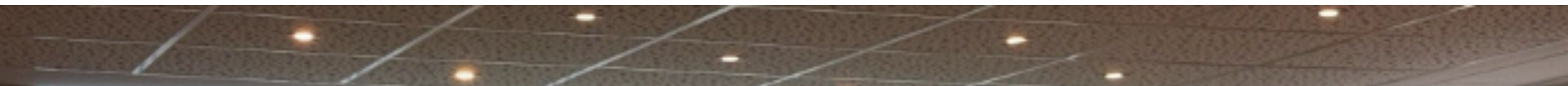
Learn About the Base Project at a Glance!

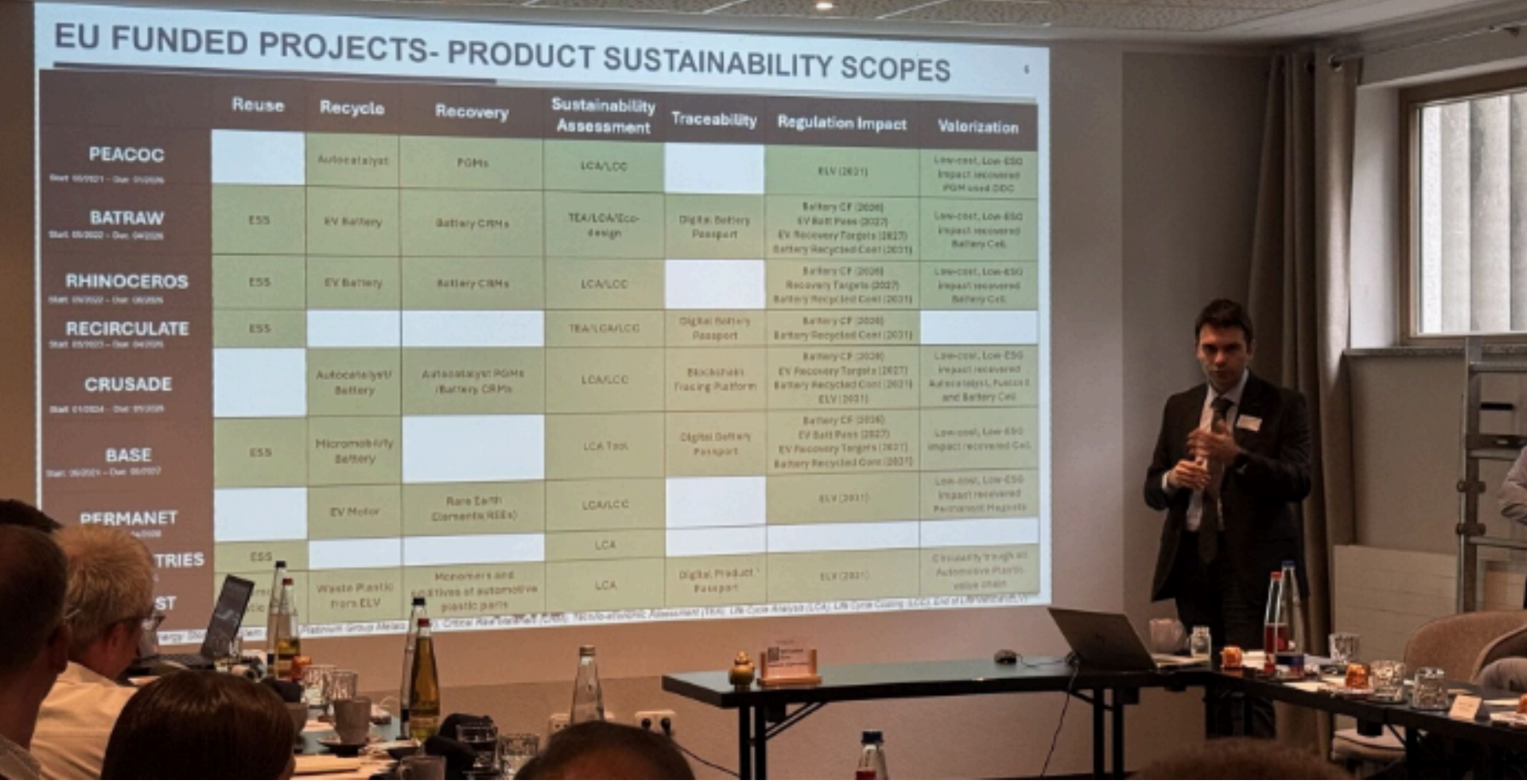
BASE brings together 19 expert organisations from 12 countries to advance sustainable battery life cycle management. Discover how our interoperable DBP is being tested in real-world use cases across the automotive, marine, and stationary energy sectors in our pitch deck video.

Watch the Video

Mentions

Ford Otosan Featured BASE Project at Siemens' Munich Automotive Decarbonization Summit





On 4 October, at the Munich Automotive Decarbonization Summit hosted by Siemens, the BASE project was highlighted among Europe's leading initiatives advancing sustainability and circularity in the automotive value chain. During the event, Özak Durmuş from Ford Otosan, a BASE EU consortium member, showcased the company's progress in carbon-neutral manufacturing, circular vehicle design, and responsible sourcing, demonstrating how collaboration and innovation are driving the shift toward a low-carbon mobility future.

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BASE EU and the Path to Sustainable Lithium

Lithium Facts

What Does Sustainable Lithium Look Like?

What does sustainable lithium actually look like?

European Lithium Institute, one of our consortium members, believes it's more than just greener extraction. It's about creating a transparent, ethical, and circular value chain, from the mine to the battery to the second life. Through the BASE Project, European Lithium Institute are building blocks for a raw material value chain that respects both people and planet.

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Upcoming Events

BASE 3rd General Assembly

Date: 22nd Oct, 2025

Venue: Virtual

Learn More

Battery Innovation Days (5th edition)

Event Title: Battery Innovation Days (5th edition)
Date: 2-3 December 2025
Venue: Graz, Austria and Online

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Past Events

BASE Work Package Leaders' Meeting

On 2 July 2025, the BASE Project consortium came together for a key internal alignment meeting in Brussels, hosted by Artech International. The session focused on coordinating three critical work packages: battery performance indicators, ESGE scoreboards, and industrial pilot applications; to ensure a robust, interoperable Digital Battery Passport platform. This milestone strengthened cross-team alignment on data integration, indicator logic, and update flows, bringing BASE closer to advancing circularity, compliance, and sustainability across the battery value chain.

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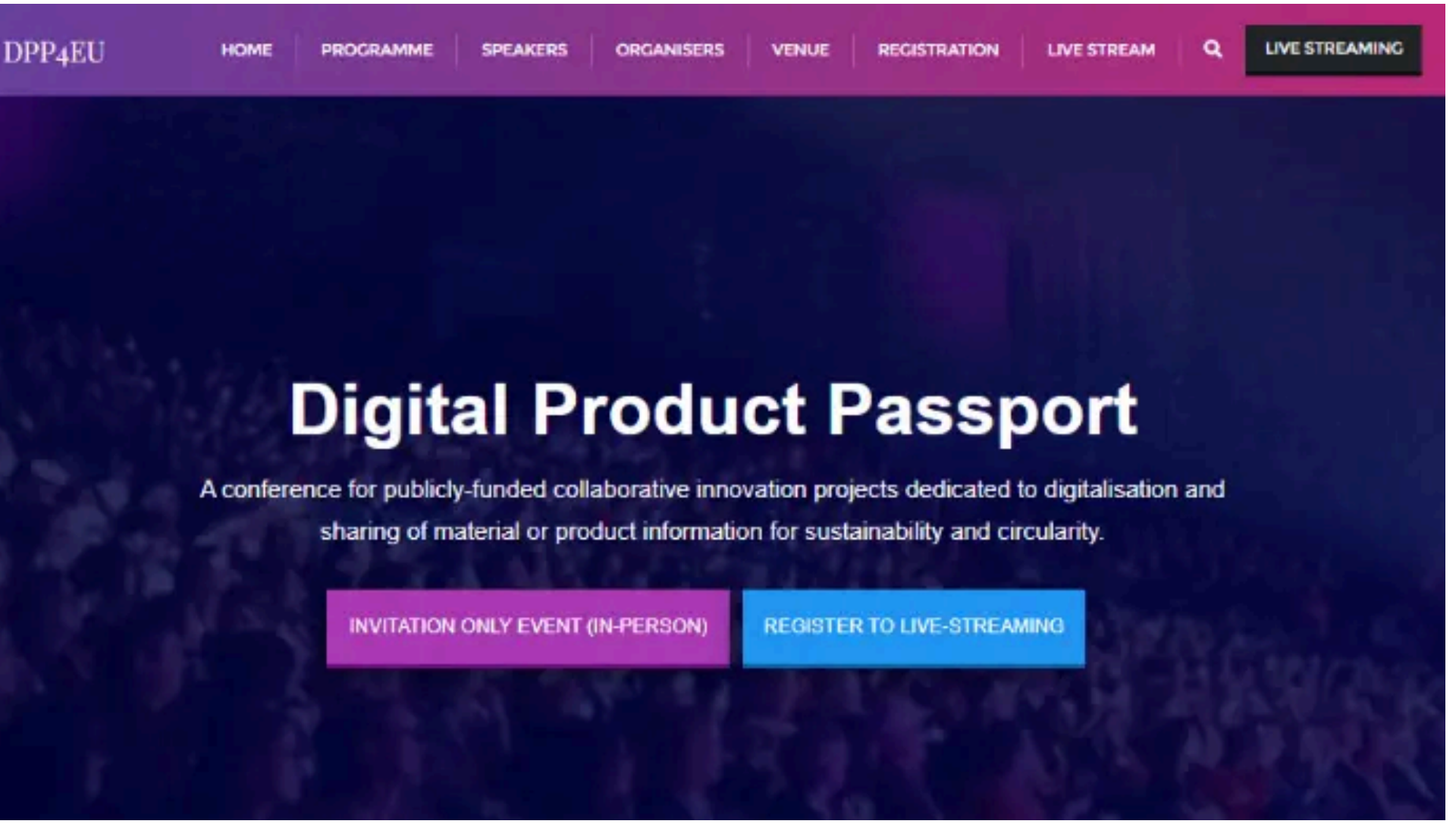
BASE Took Centre Stage at DPP4EU Conference 2025 in Brussels



From 16–18 June 2025, the BASE Project took part in the DPP4EU Conference in Brussels. In the event, BASE Project representatives shared insights into BASE's efforts in developing a robust, interoperable framework for the Digital Battery Passport (DBP), paving the way for a transparent and circular battery ecosystem in Europe.

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