BASE

Battery Passport for
Transparency and Circularity

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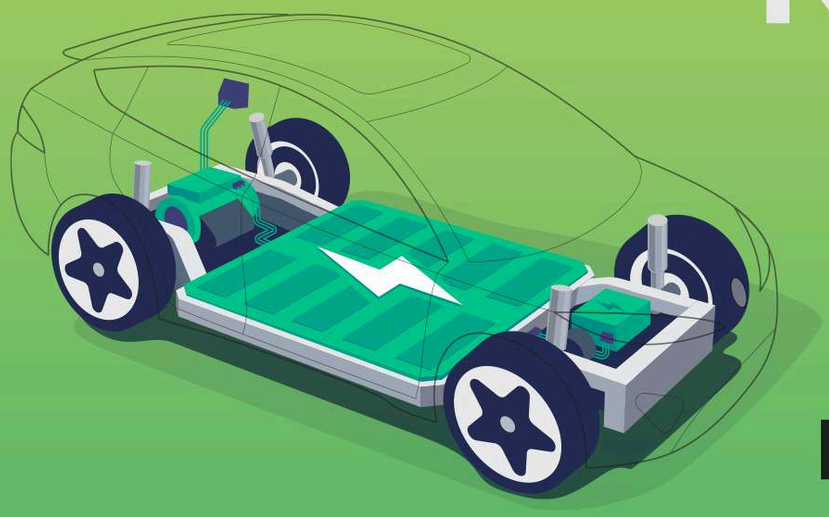
Newsletter

December 2025



Battery Innovation Process

Features & Highlights

BASE Project Launches “Rethink. Reuse. Reinvent: A Mindset Shift for the Battery Industry”

BASE
Battery Passport for Transparency and Circularity

Rethink. Reuse. Reinvent.

The **BASE Project** introduces a core tool to enable traceability, transparency and the sustainable scaling of batteries across the battery supply chain: the Digital Battery Passport (DBP).

The **BASE Exploitation Game**, aptly named “Rethink. Reuse. Reinvent.”, helps organisations shift their mindset from viewing the DBP as merely compliance to recognising it as a catalyst for new business models, strategic advantage, and operational excellence.

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BASE Knowledge Hub

Traceability Meets Privacy: How Blockchain Can Unlock Circular Economy Potential

The world is transitioning towards a more circular economy. This shift relies on transparent and reliable data sharing across supply chains. Blockchain can be the perfect tool for immutable, transparent, and reliable data sharing, unlocking the full potential of the circular economy.

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EU Battery Passport Regulation: What You Need to Know in 2026

The European Union's (EU) Battery Passport Regulation is set to be one of the most ambitious sustainability frameworks in recent times. Introducing the Digital Battery Passport (DBP) requirements will help the EU reshape how batteries are designed, manufactured, used, and recycled. As the EU is placing batteries at the heart of its climate and industrial strategy, with electric vehicles and renewable energy storage, ensuring sustainable, traceable, and recyclable batteries are no longer optional, it becomes a regulatory requirement.

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From Compliance to Circularity: How the Digital Battery Passport is Powering the Next Generation of Circular Economy Practices

The European Union has shifted the direction of the battery sector with the introduction of Digital Battery Passports. The new EU Battery Regulation (Regulation (EU) 2023/1542) signals a fundamental shift from linear supply chains to circular design and accountability. The true impact of this shift becomes visible when we examine how the DBP enables circular practices at every stage of the battery lifecycle - from design to recycling.

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Economic Value: Enabling Second-Life Battery Applications and Residual Value Determination

As the EU Battery Regulation moves from legislative text into market reality (Feb 2027), one of the most significant shifts is economic. Traceability, once treated as a compliance obligation, is now emerging as a primary enabler of residual value, second-life market growth, and smart recycling strategies.

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Traceability and Financing: Keys to Sustainable Growth in Circular Supply Chains

The shift from a “take–make–dispose” economy to a circular model depends on two pillars: traceability and finance. In sectors like battery manufacturing, electronics, and energy storage, supply chains are global and capital-intensive. Without visibility into material flows and access to green funding, firms struggle to align sustainability with business goals.

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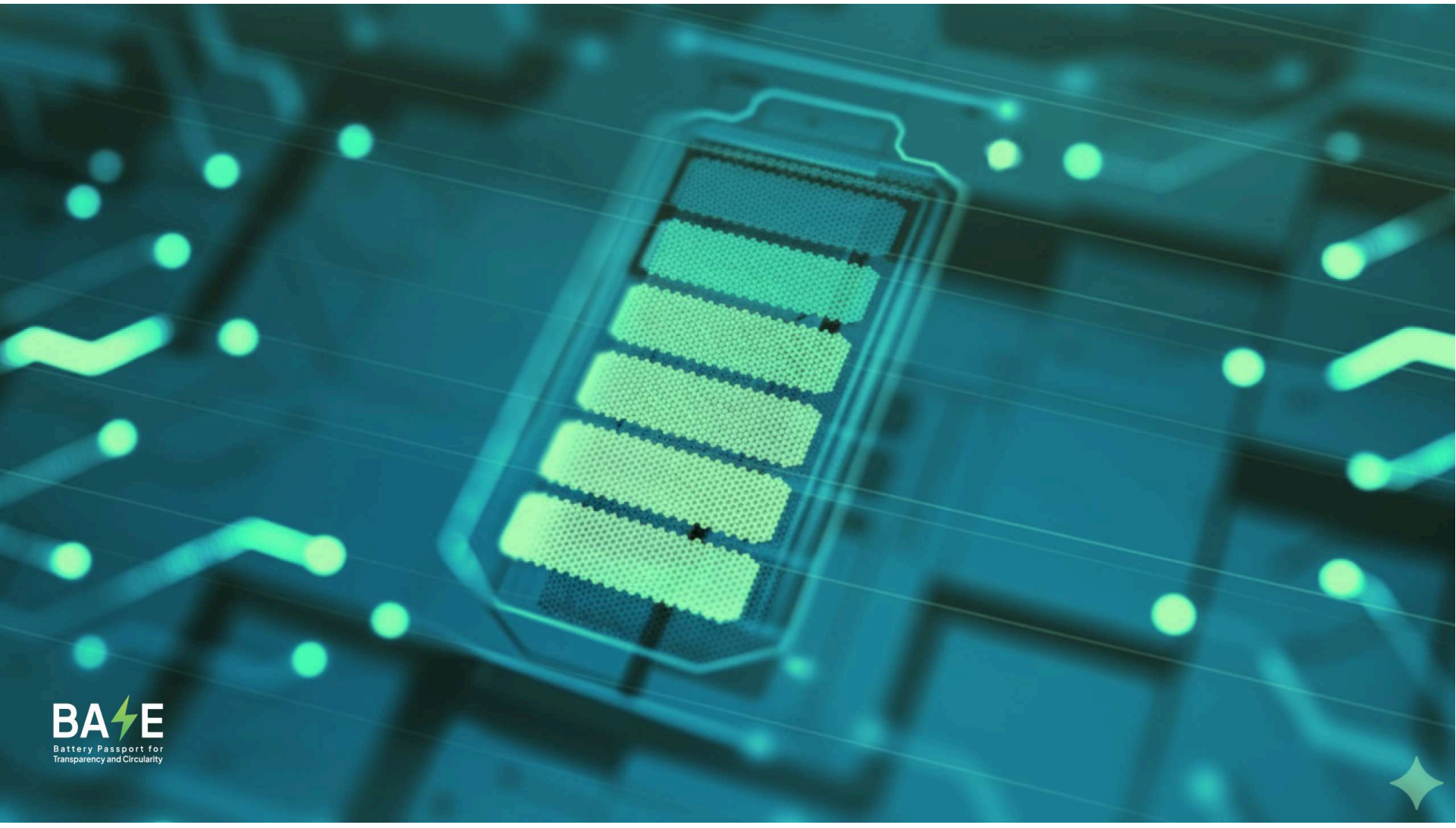
The Six Pillars of Digital Battery Passport Content: How BASE Project Strengthens Trust, Transparency, and Circularity



The Digital Battery Passport is becoming one of the most influential tools for improving transparency and sustainability in the European battery sector. Introduced through the EU Battery Regulation (EU) 2023/1542, it creates a digital identity that follows a battery from material sourcing to recycling. This identity makes information easier to access, verify, and use more reliably for every actor in the value chain. To guide this system, the regulation defines six essential pillars of content.

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From Compliance to Advantage: How Battery Passports are Reshaping the Global Battery Industry

The European Union took a significant step towards circularity with the introduction of the Digital Battery Passport, under the EU Battery Regulation (EU) 2023/1542. Many organisations first approached it as a compliance requirement linked to traceability, carbon footprint disclosures, recycled content targets, and due diligence obligations. However, the landscape has evolved. What began as an obligation is now emerging as an opportunity for companies willing to embrace data-driven, transparent, and circular business models.

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Mentions

Smarter Recycling with the Digital Battery Passport

Recycling rates for lithium-ion batteries remain low, but **BASE Project's** Digital Battery Passport is changing the equation. By providing identity and traceability data, it accelerates dismantling, reduces costs, and boosts the recovery of critical raw materials. **Seraph.**, one of our consortium partners disucssed how Battery Recycling Needs a Smarter Approach and how BASE is leading the charge.

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How BASE is Delivering Control and Certainty with the Digital Battery Passport

OEMs want control. Defence needs certainty. The Digital Battery Passport delivers both. **Seraph.**, one of our consortium partners shared insightst on how the BASE project is building Digital Battery Passports that give OEMs operational control and defence forces mission-critical certainty.

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BASE Project Highlighted by Batteries European Partnership Association (BEPA)

#BATT4EU

PROJECT NEWS

BATT4EU Batteries European Partnership

Battery Passport for Resilient Supply Chain and Implementation of Circular Economy

BA⚡E Battery Passport for Transparency and Circularity

In one of their recent highlights, **BEPA - Batteries European Partnership Association** mentioned that the BASE project aims to develop, validate, and implement a working DBP service, as mandated by the “Regulation.”It exploits data collected through several constantly evolving tools and methods, ensuring a transparent, secure, and cost-efficient platform operation, while also catalysing the growth of circular businesses.

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Upcoming Events

BASE Review Meeting

BASE
Battery Passport for
Transparency and Circularity

Event Title: BASE Review Meeting
Date: 29-30th January, 2026
Venue: Brussels, Belgium

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BASE Sponsoring EU Battery Passport Conference 2026

Event Title: EU Battery Passport Conference 2026
Date: 4th February, 2026
Venue: Grand Palais, Lille, France

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Past Events

BASE 3rd General Assembly

On 22 October 2025, the BASE (Battery Passport for Resilient Supply Chain and Implementation of Circular Economy) Project consortium gathered online for its 3rd General Assembly, marking another key milestone in advancing the Digital Battery Passport (DBP) framework under Horizon Europe.

Learn More

Kick-off Meeting – MBF Working Group on EU Battery Passports for Maritime Batteries

The Maritime Battery Forum (MBF), launched the Working Group on EU Battery Passports for Maritime Batteries through a dedicated kick-off session. The event explored how BASE's interoperable Digital Battery Passport framework, with practical insights from Corvus Energy, can enable digital traceability, ESG reporting, circularity, and regulatory compliance, while fostering a coordinated industry approach across the maritime battery value chain.

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