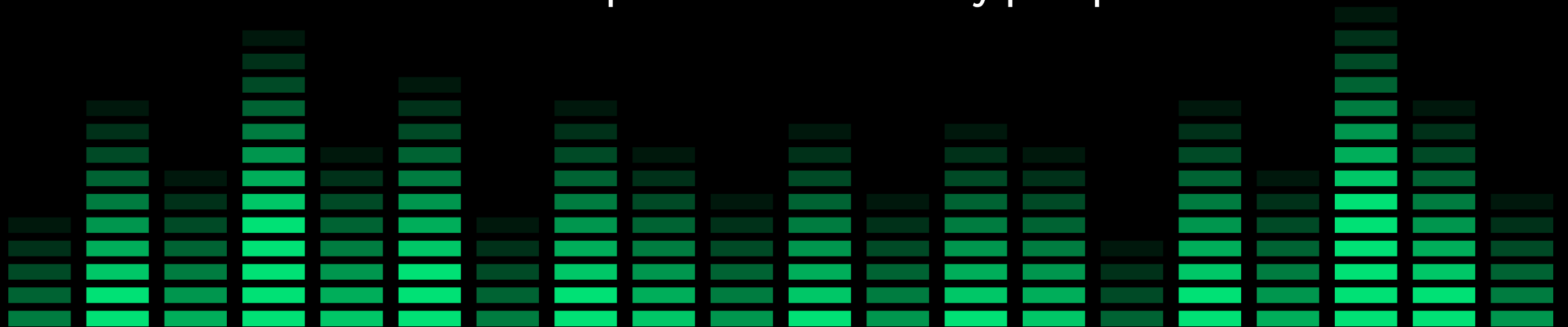




New responsibilities for Europe's battery market are coming

Battery Pass is providing organisations with the information they need to get ready for the European Union's battery passport



thebatterypass.eu

Supported by:



Federal Ministry
for Economic Affairs
and Climate Action

on the basis of a decision
by the German Bundestag



Are you ready for the digital battery passport?

The EU Battery Regulation is coming. From February 2027, it mandates a digital battery passport for all light means of transport batteries, industrial batteries above 2 kWh, and electric vehicle batteries placed on the EU market. The aim: to support the sustainable and circular management of batteries by making comprehensive data along the entire battery lifecycle available through a digital infrastructure.

Battery Regulation

Text adopted
by EU Parliament
and Council

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What's contained in a battery's digital passport?

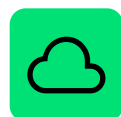
The battery passport includes up to 90 data attributes across seven categories:



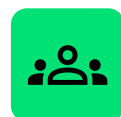
General battery and
manufacturer information



Compliance, label,
certifications



Carbon
footprint



Supply chain
due diligence



Materials
and composition



Circularity and
resource efficiency



Performance
and durability

It will be based on a decentralised data system, and responsibility for collecting and storing the data will lie with the economic operator (i.e., the manufacturer or importer). Access to the battery passport will be provided via a data carrier (e.g. QR code) on the battery and a connected unique identifier, while different stakeholder groups are given different access rights.



What are the benefits of the battery passport?

Transparency

Enable informed decision making by providing detailed information about the entire battery lifecycle.

Circular economy

Support a data-driven circular economy, saving resources and minimising waste.

Level playing field

Create a future battery value chain based on common sustainability responsibilities and circular economy business models.



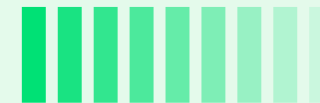
Battery Pass

Introducing the Battery Pass consortium

The Battery Pass consortium is helping the European industry meet the requirements of the EU Battery Regulation, thereby supporting the implementation of the battery passport in Europe and beyond.

We do this through:

- Developing a perspective on battery passport content requirements, tracking along the EU Battery Regulation;
- Identifying the technical requirements for the data infrastructure and evaluating the suitability of existing options;
- Building a software and physical demonstrator; and
- Assessing the battery passport's value for business, society and the environment.



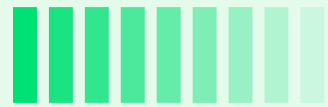
What sets us apart?

The Battery Pass consortium stands out in its comprehensive scope and differentiation from other initiatives in the market.

While co-funded by the German Federal Ministry for Economic Affairs and Climate Action (BMWK), we focus specifically on European legislation and also provide recommendations to the European Commission.

Led by system change company Systemiq, our consortium includes eleven partners and a wide network of associated and supporting partners spanning the battery ecosystem in Europe and globally.

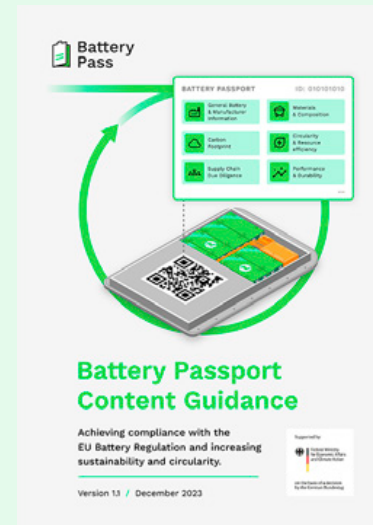
Resources to help organisations get ready for the EU Battery Passport



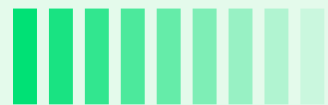
Battery Passport Content Guidance

First released in April and updated in December 2023, the first Content Guidance on the EU Battery Passport provides your organisation with the most up-to-date and comprehensive directions on complying with the EU Battery Regulation across the seven data categories ('content clusters').

Content Guidance

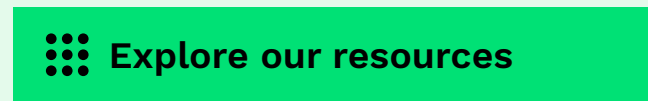


Data Attribute Longlist

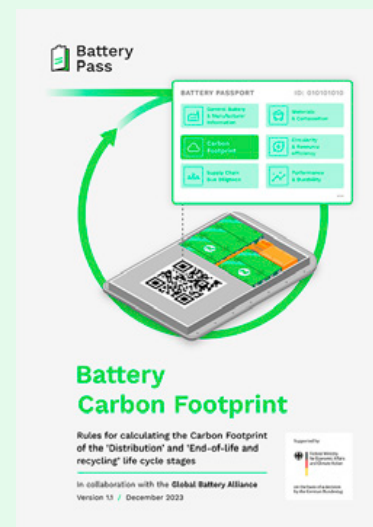


Interested in further details?

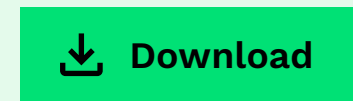
To learn more about our work and the battery passport, take a look at our selection of publications, reports and resources.



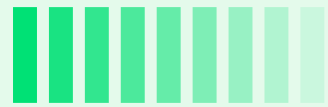
Carbon Footprint Rules



EOL Allocation Analysis



Resources to help organisations get ready for the EU Battery Passport



Battery Passport Technical Guidance and Software Demonstrator

In March 2024, we published the first Battery Passport Technical Guidance, which provides a comprehensive overview of the technical challenges and standards for the battery passport system. Critically, it also presents guidelines to help your organisation prepare for your participation in the battery passport ecosystem.

This is complemented by a **software demonstrator** which for the first time brings the concept of the battery passport to life through the entire lifecycle, and tests the technical feasibility of a digital product passport system.

Technical Guidance



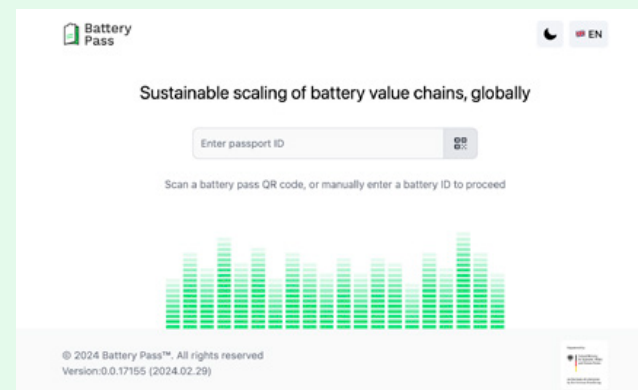
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Showcasing the value of the battery passport

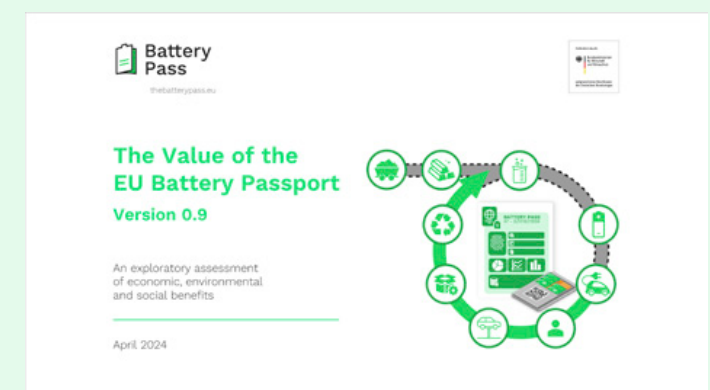
To help businesses, authorities and consumers better understand the benefits of the battery passport, our latest publication released in April 2024 offers the first ever exploratory assessment of the economic, environmental and social benefits of the EU Battery Passport to individual stakeholders. An assessment of the battery passport's net value to the overall battery ecosystem will be released in September 2024.

Software Demonstrator



[Explore the demonstrator](#)

Value Assessment

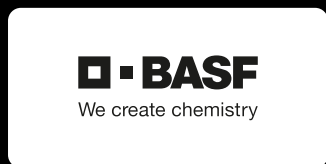
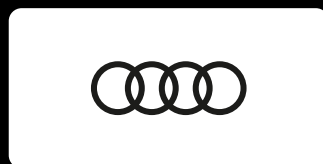


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CONSORTIUM PARTNERS



Collaboration is key

Throughout, we align and work closely with the European CIRPASS project (which focuses on cross-sectoral digital product passport system requirements), the Global Battery Alliance (which focuses on a global governance framework and platform), Catena-X (which focuses on data exchange systems in the automotive value chain) and other players in the industry, in Europe, the U.S., Asia and beyond.


Get ready for the batterypassport before 2027

Sign up for our newsletter to get the most up-to-date information on the EU requirements and how you can prepare for the new EU Battery Regulation.



This project receives funding from the German Federal Ministry for Economic Affairs and Climate Action by resolution of the German Bundestag under grant agreement No 16BZF335.

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