

# Introduction to Digital Battery Passport System

This course provides a general overview of the background, regulations, benefits, challenges, and likely parameters of large-scale battery passport programmes under development. Examples from existing industries will demonstrate how Digital Product Passport (DPP) systems might impact suppliers and resellers of large batteries.



## Who is the course for?

This course is beneficial for anyone involved in the battery value chain, especially those responsible for battery life cycle tracing. This includes:

- Managers
- Automotive manufacturers
- Battery recyclers
- Administrative staff



## What will you learn?

- Battery digital product passport legal frameworks in Europe, the United States, and China
- Data needs of the Digital Product Passport, including carriers, data, and data storage
- Likely impacts of the Digital Product Passport on the battery value chain
- The complexity and fluid nature of the Digital Battery Passport (DBP)

## Lesson breakdown

Total course duration: 1 hour (divided in six 10-minute sessions) | Virtual

### 1 Introduction to the Digital Battery Passport

Introduces the Digital Battery Passport (DBP), including its technical framework, data management, and registry functions.

### 2 The Digital Passport Infrastructure and Data

Covers the technical framework, data management, and essential requirements for implementing DPPs.

### 3 Circular Battery System Case Study

Outlines a case study of an electric car manufacturer using the circular battery system to illustrate the practical applications of DPPs and their benefits.

### 4 Prerequisite knowledge

Learners need a basic understanding of the battery value chain relating to their profession.

### 5 Regulations and Legal Context

Provides an overview of regulations that govern the implementation of DPPs, such as the European Green Deal and the Ecodesign for Sustainable Products Regulation (ESPR).

### 6 DPP Impacts

Explores the impacts of DPP, highlighting the post-sale tracking and tracing of batteries and their return and processing.

### 7 The Future

Expands on the role of DPPs beyond the battery industry by highlighting their potential to improve transparency, sustainability, and consumer awareness.



## Our lessons are...

- Designed to educate learners of all skill levels
- Interactive and engaging
- Supported by video content
- Backed up by downloadable content for further learning
- Delivered by industry experts
- Concluded with a graded assessment