



DIGITAL PRODUCT PASSPORT (DPP) TRAINING TO SUPPORT BATTERY INDUSTRY RESPONSE TO THE EU CIRCULAR ECONOMY



SKILL-UP BATTERY CIRCULARITY

October 2025

UC_{RS}

aimen
TECHNOLOGY CENTRE



MINESPIDER

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SUMMARY

The Project

The Methodology

The Training

The Benefits



WHAT IS THE PIECE PROJECT?

PIECE is a European project focused on the **circular economy** and digital **transition in** the battery sector.

Its aim is to develop a training curriculum that supports the **EU Circular Economy Action Plan**

It aims to develop **green and digital skills** for **adult and professional learners**

Focus on the adoption and implementation of **Digital Product Passports (DPP)** in the **battery sector**

It aims to support **the sector's regulatory compliance, transparency and sustainability targets**

Co-funded by Erasmus+, brings together partners from across Europe to co-create innovative training



THE PIECE PROJECT CONSORTIUM



Spanish technology centre specialising in materials, junction and laser technologies, offering R&D, services, testing and certified training for industrial sectors.



Danish teaching centre offering vocational, secondary and adult education, focusing on quality learning and future-proof skills.



European organisation dedicated to training, qualification and certification in welding and related technologies.



Alliance that brings together stakeholders from the automotive sector to foster a sustainable mobility ecosystem, focused on skills.



Czech technology company developing and producing AC/DC charging stations for electric vehicles.



Supply chain traceability platform promoting responsible, compatible and circular mineral supply chains.



Portuguese specialist in additive manufacturing, providing equipment, materials, consultancy, training and 3D printing services.



PROJECT TIMELINE



ANALYSIS OF DPP TRAINING NEEDS

Results of the Needs Survey

Gaps in training centres and universities
Key topics: data, compliance, environment, DPP system
Advanced topics: blockchain, troubleshooting
Lack of materials, tools and experience of trainers
Preference: blended learning
Need for greater awareness of PPDs, strategies to mitigate implementation costs, importance of technical expertise and benefits of practical examples.

Recommendations

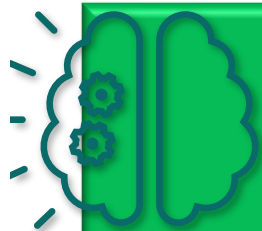
Flexible and needs-aligned curriculum
Essential + advanced content
Quality Materials
Case studies and best practices
Training of trainers
Blended learning
Practical assessment + continuous feedback
Focus on managers and professionals
Pre-assessment of knowledge
Certification



PIECE TRAINING



CLICK to Test it!



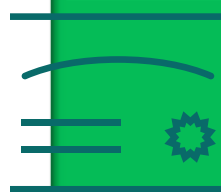
[DPP Maturity Assessment Tool:](#)
recommendation from COMPETENCE
UNIT appropriate to the professional
profile of each participant



100% online: access training anytime,
from anywhere



Modular and flexible structure: tailor
training to individual and team needs



Examination to obtain a certificate



PIECE PROJECT COMPETENCE UNITS

- Level 1 – Introductory: **basic knowledge** of PPD
- Level 2 – Intermediate: **practical integration** of DPP/DBP into the business
- Level 3 – Advanced: **management and improvement** of DPP/DBP with a focus on **innovation and compliance**

CU1

Introduction to the
Digital Product Passport
and its Importance in
the Battery Industry

CU2

Implementation and
Management of the
Digital Battery Passport

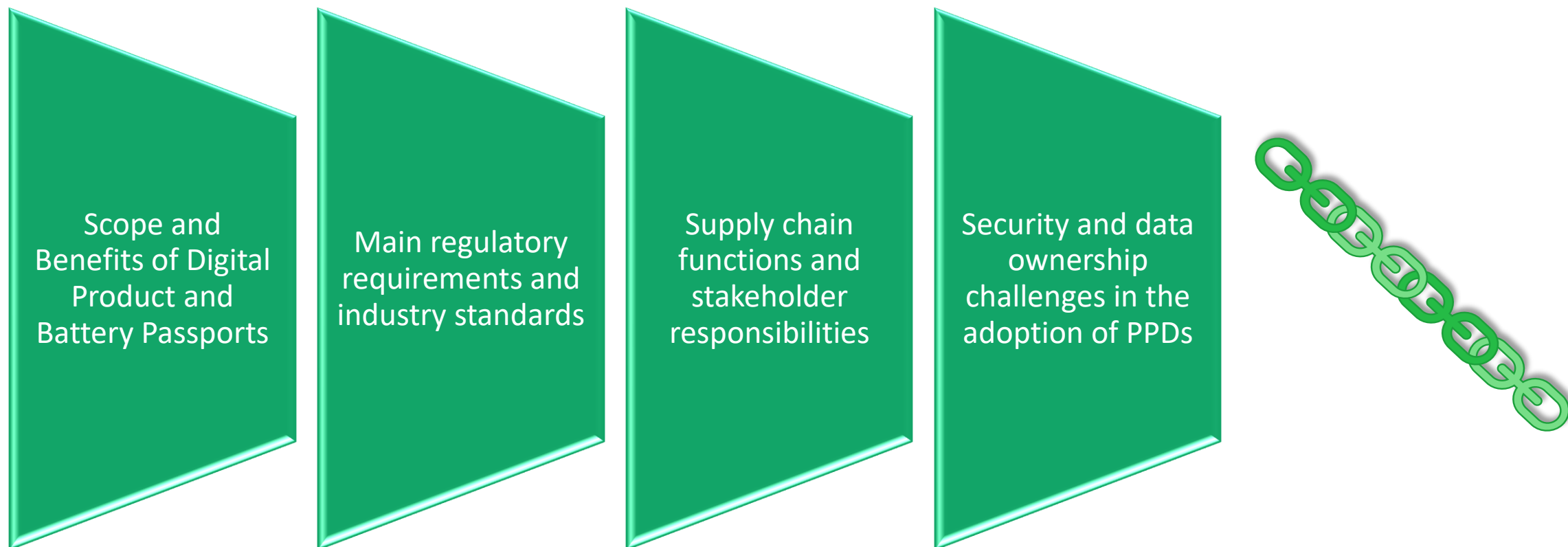
CU3

Monitoring, Evaluation
and Continuous
Improvement of Digital
Battery Passport



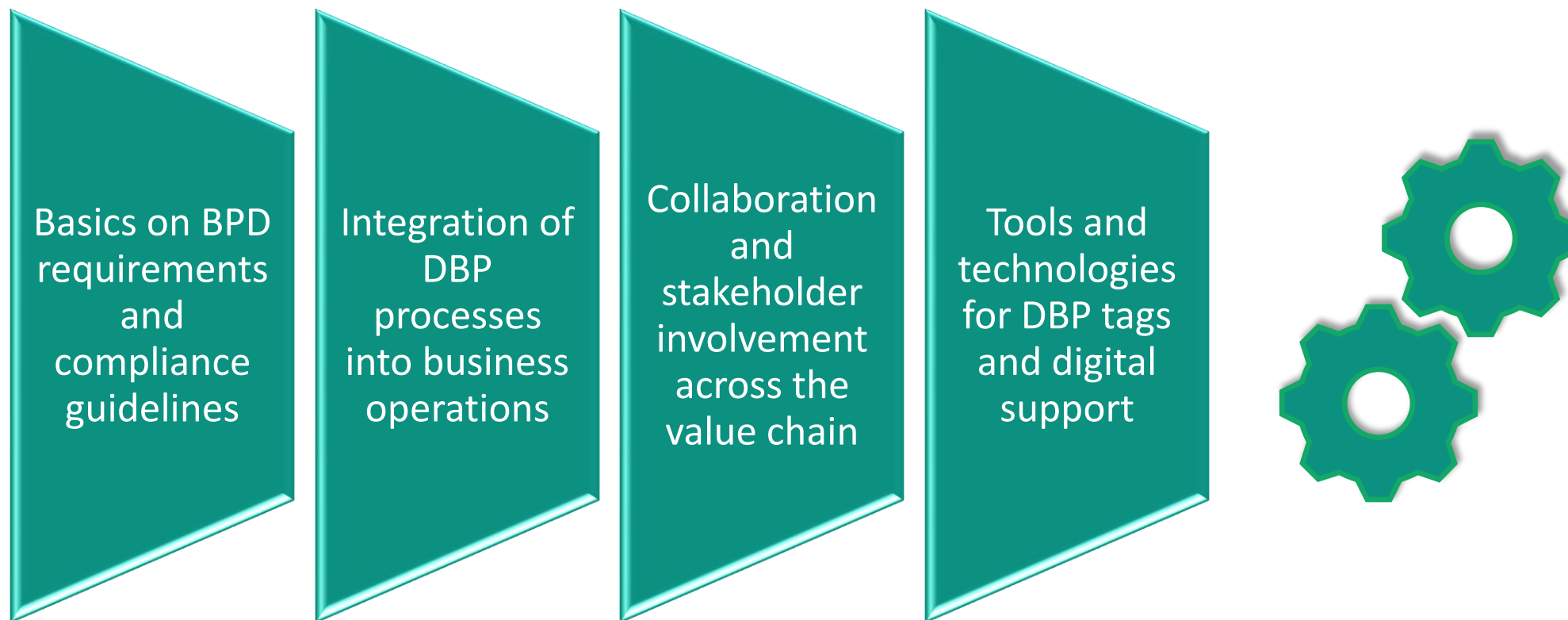
INTRODUCTORY MODULE – 1

Introduction to the Digital Product Passport in the Battery Industry



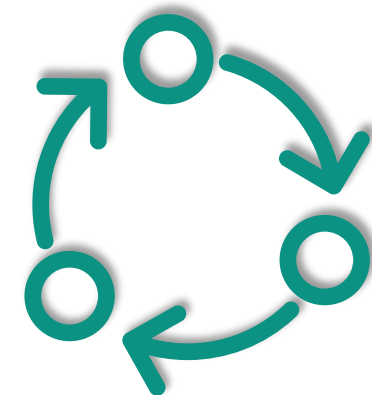
INTERMEDIATE MODULE – 2

Implementation and Management of the Digital Battery Passport



ADVANCED MODULE – 3

Monitoring, Evaluation and Continuous Improvement



IMPACT AND ADDED VALUE



Need met : direct response to identified gaps



Upskilling for the green and digital transition



Value for enterprises: workers prepared and aligned with European requirements



Flexible and accessible training: online, modular, adapted to different profiles



Contribution to sustainability: improved traceability, compliance and innovation



THANK YOU!

[Project PIECE – Empowering Sustainable Skills \(project-piece.eu\)](https://project-piece.eu)

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