

PUBLIC SUMMARY

Deliverable D4.3

Report on Battery Module Design and Manufacturing

Project **PULsed Laser depoSition tEchnology for soLid state battery manufacturing supported by digitalizatiON**
Grant agreement No.: 101069686
Project Short Name: PULSELiON
Call: HORIZON-CL5-2021-D2-01-05
Funding Scheme: Action grant
Project web-site: project-pulselion.eu
Deliverable No.: D4.3 **Due Date:** 2025-09-30
Issued by Partner: Ikerlan **Actual Date:**
WP/Task: WP4/Task 4.5 **Pages:** 44
Confidentiality Status: Sensitive

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Document Information		Chapters affected	Description of change	Author	Document Status
Date	Version				
2025-07-15	0.1	1-7	Table of contents	Eneko Gonzalez	Draft
2025-07-15	0.1	1-7	Content added	Eneko Gonzalez	Draft
2025-08-26	0.1	1-7	Content added	Adrian Remirez	Draft
2025-09-18	0.2	1-7	Peer reviews included and feedback addressed	Eneko Gonzalez	Peer Review
2025-09-22	0.2	1-7	Deliverable finalised	Eneko Gonzalez	Final

Document Review		Remarks, Corrections	Reviewer	New Status
Date	Version			
2025-09-08	0.2	Remarks and Corrections were done in D4.3	Rahul Gopalakrishnan	Peer review

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Executive summary

The Deliverable D4.3, report on battery module design and manufacturing, describes the process of battery module design and manufacturing. With special care on the mechanical and electrical calculations, different design approaches will be explored before final design explanation, focusing on necessary compression for cells correct operation as well as energy density and cost. Electrical, safety and manufacturing aspects are also explained. The cell integration, electrical and electronic connections as well as thermal management will be also considered. The goal is to design a mechanical efficient design, easy to assembly and cost effective, with optimal volumetric and gravimetric energy ratios.