

PUBLIC SUMMARY

Deliverable D3.4

Report on Full Cell Chemistry and Pouch Cell 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.: D3.4

Issued by Partner: CICE

WP/Task: WP3/Task 3.5

Confidentiality Status: Sensitive

Due Date: 2024-12-31

Actual Date: 2025-07-11

Pages:

Document Authors	Name	Organization/Unit
Main Author	Ander Orue	CICE
Contribution Author	Nico Zamperlin	CICE
Contribution Author	Sara Pinto	INEGI
Contribution Author	Carolina Fraga	INEGI
Contribution Author	M. Helena Braga	UPORTO
Contribution Author	Manuela Baptista	UPORTO
Contribution Author	Beatriz Gomes	UPORTO
Document Reviewers	Name	Organization/Unit
Reviewer 1	Pedro López-Aranguren	CICE
Reviewer 2		
Reviewer 3		
Document Approvers	Name	Organization/Unit
Coordinator	Anwar Ahniyaz	RISE
Project Officer	Monica Giannini	European Commission

Document Information		Chapters affected	Description of change	Author	Document Status
Date	Version				
2025-07-03	0.1	1-7	Table of contents; content added	Ander Orue	Draft
2025-07-16	0.1	1-7	Table of contents; content added	Ander Orue	Draft
2025-07-25	0.1	5	Content added	Sara Pinto; Carolina Fraga	Draft

Document Review		Remarks, Corrections	Reviewer	New Status
Date	Version			

2025-09-15	0.1	Formatting	Review	Agnes Digranes	Draft

Executive summary

The Deliverable D3.4, *Report on Full Cell Chemistry and pouch cell manufacturing*, focuses on reporting the electrochemical properties of cells assembled with optimized Li metal anode, the sulfide electrolyte and positive electrode. The goal is to establish validation of the final cell configuration that provides a high electrochemical performance and to provide all the specifications on the chemistry selected for the upscaling development of the cells.