

## **EUROPEAN COMMISSION**

HORIZON 2020 PROGRAMME - TOPIC H2020-LC-BAT-2019 Affordable High-Performance Green Redox Flow Batteries

**GRANT AGREEMENT No. 875613** 



# **HIGREEW – Deliverable Report**

D7.5 – HIGREEW II Workshop



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## **Summary**

This document reports on the programme and attendance of the second official project workshop organized by the HIGREEW coordinator CIC energiGUNE in Vitoria-Gasteiz (Spain) on the 16<sup>th</sup> and 17<sup>th</sup> of May 2023. The workshop focused on the technology development of Redox Flow Batteries (RFB) and successfully addressed all critical steps of the RFB value chain: high-level scientific presentations on materials and components; different solutions for possible applications and the related challenges; market perspective and legislation-related aspects.

As stated in the Description of Work (under task 7.1), the HIGREEW project organised 2 project workshops addressing the energy sector, battery manufacturers, and material developers: for central-and local governments and for other relevant stakeholders.

The two workshops are linked to two project deliverables: the first project workshop at M29 (D7.4, March 2022) and the second one in the final stage of the project at M43 (D7.5, May 2023).



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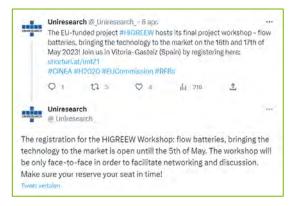




Figure 2-7: Selected social media posts on the workshop

The event was further promoted via:

- Batteries Europe
- UK Flow Battery network newsletter mailing list
- Battery Plat newsletter
- AEPIBAL platform newsletter
- MATERPLAT platform newsletter
- Direct distribution of information via parnter's network
- Batteries Partnership Association (BEPA)
- Batteries 2030+
- Flow Batteries Europe



Figure 2-8: Final page dedicated to the workshop on the HIGREEW Website



# 2.5 Selected pictures



Figure 2-9: Welcome speech by Estibaliz Crespo, R&I project coordinator







Figure 2-10: Audience final HIGREEW Workshop.



Figure 2-11: Presentation by Juan-Carlos Mejia -Director Sales Microgrid Solutions, Enerox GmbH / CellCube.





Figure 2-12: Presentation by Peter Klusener - Senior process development chemist, Shell Global Solutions International B.V. Domain lead redox flow battery technology.



Figure 2-13: Group photo – Attendees to the last session of HIGREEW Workshop.



#### 3 Conclusion

The final HIGREEW Workshop was a successful and fruitful event for the RFB community and beyond. The meeting served to define the way forward regarding the needs and trends of the industry, as well as the potential contribution of redox flow technology to the decarbonization of the economy, thanks to its ability to facilitate the storage of renewable energy.

As discussed in the interactive session with the Officer from the EC Joint Research Centre, the event also provided a great platform to promote redox flow technology on the political agenda and reaffirm its importance in the energy transition.

This discussion has been the continuation of what started in Pilsen in March 2022 at the time of the <u>first HIGREEW workshop</u> and the perfect conclusion of our interesting project, where the consortium presented all the latest results and project achievement to the community. At the same time, it has been an opportunity to start new active talks on new ideas, planning/reinforce future collaborations and start creating the basis for new projects. As it was done at the time of the first HIGREEW workshop, the non-confidential material presented at the workshop will be made publicly available on <u>HIGREEW website</u>.



# 4 Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

### **Project partners:**

#	Partner	Partner Full Name	
1	CIC energiGUNE	CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC	
		ENERGIGUNE FUNDAZIOA	
2	GAMESA	GAMESA ELECTRIC SOCIEDAD ANONIMA	
3	UAM	UNIVERSIDAD AUTONOMA DE MADRID	
4	CNRS	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	
5	C-TECH	C-TECH INNOVATION LIMITED	
7	UWB	ZAPADOCESKA UNIVERZITA V PLZNI	
8	PFES	PINFLOW ENERGY STORAGE, S.R.O.	
9	UNR	UNIRESEARCH BV	
10	SGRE	SIEMENS GAMESA RENEWABLE ENERGY	
11	FRAUNHOFER	FRAUNHOFER INSTITUTE FOR CHEMICAL TECHNOLOGY	



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