

= iSTORMY =

EUROPEAN COMMISSION

HORIZON 2020 PROGRAMME – TOPIC: Hybridisation of battery systems for stationary energy storage

Interoperable, modular and Smart hybrid energy STORage system for stationarY applications

GRANT AGREEMENT No. 963527



Deliverable Report

D1.2 – KPI overview of all HESS components

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Deliverable Title	KPI overview of all HESS components	
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Publishable summary

This confidential deliverable report addresses the definition of the iSTORMY project KPIs. This work is linked to task 1.2 on the determination of the KPIs for the different system components.

The KPIs are defined for the battery module and modular stack, the modular power electronics interface, the universal EMS and the overall system. These KPIs will help to evaluate the outcomes of the project, including initial analysis, simulations, and final measurements on the demonstrators. They include key metrics such as cost and performance, linked to the requirements defined in D1.1. They will also be used to design the system components in the different work packages in function of the defined use cases.

Acknowledgement

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Project partners:

#	Partner short name	Partner Full Name
1	VUB	VRIJE UNIVERSITEIT BRUSSEL
2	PWD	POWERDALE
3	CEG	CEGASA ENERGIA S.L.U.
4	CEA	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
5	MGEP	MONDRAGON GOI ESKOLA POLITEKNIKOA JOSE MARIA ARIZMENDIARRIETA S COOP
6	ZIG	ZIGOR RESEARCH & DEVELOPMENT AIE
7	EDF	ELECTRICITE DE FRANCE
8	TNO	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO
9	PT	PRODRIVE TECHNOLOGIES BV
10	GW	GREENWAY INFRASTRUCTURE SRO
11	AIT	AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH
12	UNR	UNIRESEARCH BV



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Appendix A – Quality Assurance Review Form

The following questions should be answered by all reviewers (WP Leader, reviewer, Project Coordinator) as part of the Quality Assurance procedure. Questions answered with NO should be motivated. The deliverable author will update the draft based on the comments. When all reviewers have answered all questions with YES, only then can the Deliverable be submitted to the EC.

NOTE: This Quality Assurance form will be removed from Deliverables with dissemination level “Public” before publication.

Question	WP Leader	Reviewer	Project Coordinator
	Korneel Wijnands (PT)	Mario Paroha (GW)	Thomas Geury (VUB)
1. Do you accept this Deliverable as it is?	Yes	Yes	Yes
2. Is the Deliverable complete? - All required chapters? - Use of relevant templates?	Yes	Yes	Yes
3. Does the Deliverable correspond to the DoA? - All relevant actions performed and reported?	Yes	Yes	Yes
4. Is the Deliverable in line with the iSTORMY objectives? - WP objectives - Task Objectives	Yes	Yes	Yes
5. Is the technical quality sufficient? - Inputs and assumptions correct/clear? - Data, calculations, and motivations correct/clear? - Outputs and conclusions correct/clear?	n/a	n/a	n/a
6. Is created and potential IP identified and are protection measures in place?	n/a	n/a	n/a
7. Is the Risk Procedure followed and reported?	n/a	n/a	n/a
8. Is the reporting quality sufficient? - Clear language - Clear argumentation - Consistency - Structure	Yes	Yes	Yes