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EUROPEAN COMMISSION

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Interoperable, modular and Smart hybrid energy STORAge systemM for stationary applications

GRANT AGREEMENT No. 963527



Deliverable Report

D5.1 – Full HBESS with casing and integration



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Publishable summary

This document describes the full Hybrid Battery Energy Storage System (HBESS) integration using the components developed throughout the project. In particular, the high-energy and high-power batteries developed in WP2 have been interfaced with the power electronics converters developed in WP3. The proper safety equipment and communication has been considered and tested as well during the integration phase.

These developments rely on the system specification and requirements from WP1 and the communication signal map defined in WP4. Specific hardware and communication tests have been performed for each of the system components. The full system has been integrated in a container for delivery to the test site at the EDF Concept Grid.

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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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