

= 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

D5.3 – Official test report including KPI and data for all the use cases carried out



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Written By	Frédéric Raymond-Laruina (EDF), Nikola Stankovic (EDF), Philippe Bertazzon (EDF)	20-12-2024
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Publishable summary

The iSTORMY project aims to develop an interoperable and modular Hybrid Battery Energy Storage System (HEES) and demonstrate, through various use-cases, its operation in provision of multiple grid services.

As planned in WP5, the HBESS prototype has been integrated into the EDF Concept Grid testing facility for the demonstration.

This document provides an overview of the HBESS operation in the different Use Case tests and the performance obtained with regard to the requirements defined in D1.1. In particular, the following use cases were demonstrated:

1. Frequency support in Pan-European grid
2. EV charging and load levelling
3. Islanding mode in microgrid