



"Flexibility services based on Connected and interoperable Hybrid Energy Storage System"



Funded by the European Union

FlexCHES project proposes cutting-edge solutions based on digital twin concept, Virtual energy storage systems (VSS) and Distributed Ledger Technology (DLT) to revolutionize the existing practices. Based on the aggregation of Connected Hybrid Energy Storage System (CHES), FlexCHES improves the grid stability while increasing the profitability of its installations by guaranteeing various ancillary services at the distribution and transmission network levels.

Work Packages

01

Requirements and Specifications of FlexCHES Solutions

Definition of technical requirements. Definition of FlexCHES' use cases and scenarios

02

Development of interoperable HES

Development of blockchain-based platform and of connecting HES

03

Open Flex-Platform

RT Digital Twin and flexibility services provider. Open knowledge platform

04

Demonstration and Validation

Preparation of pilots and validation of FlexCHES solutions

05

Dissemination, communication and Exploitation of results

Incentive-based business model. IPR & Exploitation strategies

06

Management and Project coordination

Kick-of meeting

11 ORGANIZATIONS

5 PILOT SITES

6 COUNTRIES

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