



innovative Energy Storage TEchnologies
TOwards increased Renewables integration
and Efficient Operation

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European Dynamics

EMPOWERING GREEN ENERGY WITH INNOVATIVE STORAGE SYSTEMS

Project Duration: 36 months (Jan '23 to Dec '25)

Project Budget : € 8.1M

PROJECT OBJECTIVES



Examine the integration of diverse storage solutions and the combinations.



Examine the applicability of versatile storage solutions in mobility, agriculture, industry, household, heating and other sectors.



Promote the introduction of novel business models for the widespread deployment of single and hybrid energy storage systems, facilitating the participation of storage assets in energy markets



Facilitate investment planning on energy storage facilities, strengthen and expand the technological European Value Chains on Energy Storage.



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cen SOLUTIONS



PROJECT Contribution to electrification

PROJECT KERs

Introduces Innovative Control, (Co)operation and Management of hybrid ESSs to Increase Grid efficiency, RES Integration and to Reduce Curtailment.

Introduces Technological Interoperability, Trust & Sovereignty, Data value and Governance, adapting and interfacing with Legacy Equipment.

Extends the Storage Value Chain and creates a network for broader/easier Exploitation and Synergies.

Enhances Consumer Participation in Local Electricity Markets.

Addresses Real-Life Challenges & Enables Storage Market Growth.

Presents points of Guidance for Policy Makers and Regulators.



A VPP integrating a Flexibility Register for asset management including semantic models for storage and other grid assets.



A set of algorithms accompanied by degradation and performance models for facilitating grid services provisioning by storage assets integrated in the VPP.



An Investment Planning tool, based on the flexibility exploitation potential that arises through the combinations of Energy Storage Solutions, for various Applications.

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