



PROJETO COFINANCIADO PELA UNIÃO EUROPEIA

FLEXERGY

Acrónimo - Título	FLEXERGY: FLEXible enERGY enabling smart grids
Número de projeto	038431
Duração	2019-2021
Orçamento total (% Incentivo)	482 673,76€ (59,3%)
Objetivo geral	<p>The FLEXERGY project aims at developing an advanced and highly innovative management solution, enabled by artificial intelligence, suitable for managing battery-based energy storage assets, integrated with renewable energy sources or meant to be applied in micro grids. This platform will be development according to the intrinsic features of this kind of systems, being suitable for adaptation to different scopes of integration.</p> <p>The specific goals of FLEXERGY aim to provide the management system with a relevant spectrum of features suitable for some of the application scopes of the energy storage systems, such as integration of renewables and micro grids, also considering the management of the useful lifecycle of the battery system. On the other hand, the project aims to develop a fully differentiated platform that allows the aggregation of functional applications in the same storage system, thus leveraging its added value.</p> <p>The solution developed will be demonstrated at the DEMOCRAT testbed, already deployed at the Efacec facilities in Maia, Portugal.</p> <p>Efacec has chosen INESC TEC as the outsourcing scientific partner to, jointly, participate in the R&D tasks of the project.</p>
Promotores	<ul style="list-style-type: none"> • Efacec Energia – Máquinas e Equipamentos Elétricos, S.A.
Resultados esperados	<ul style="list-style-type: none"> • Develop the ES Manager, a new solution for energy management systems, suitable for application scopes of the energy storage systems, such as integration of renewables and micro grids, also considering the management of the useful lifecycle of the battery system.