GRAVITEQA

GRAVITational Storag**E**, **Q**uantum computing, and **A**I for enhanced Circularity and Reliability in Clean transition-affected sector-coupled electricity grids

Funded by the European Union

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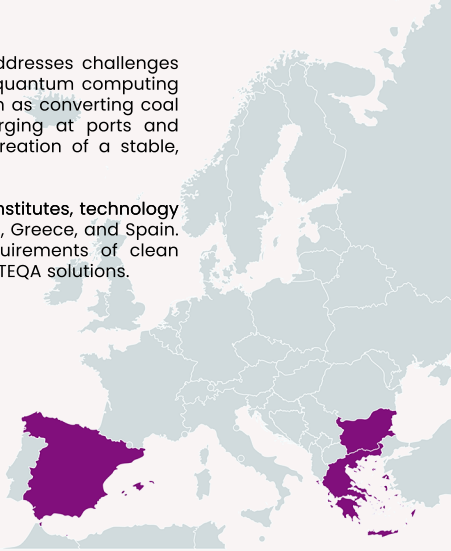
The GRAVITEQA project is an Horizon Europe funded project that addresses challenges posed by “Fit for 55” package by combining gravitational storage, quantum computing and AI-driven analytics. Its approach includes nine innovations, such as converting coal plants into energy storage sites, optimising electric vehicle charging at ports and enhancing grid flexibility. These developments contribute to the creation of a stable, eco-friendly energy system ready for the demands of tomorrow.

GRAVITEQA brings together ten (10) partners representing research institutes, technology providers and large companies from 3 EU countries, namely Bulgaria, Greece, and Spain. This international joint is necessary to implement the rising requirements of clean transitioning in the cross-sector coupled T&D grids utilizing the GRAVITEQA solutions.



GRAVITEQA in a Nutshell

Duration: 1/2025 - 12/2027
EC funding: 2 499 990,00 €
Consortium: 10 partners from 3 EU countries
Coordinated by: National and Kapodistrian University of Athens

HELLENIC REPUBLIC
National and Kapodistrian University of Athens
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