

# EdGeWise

## Project's Full Title

Energy and water systems integration and management.

## Description

The EdGeWise project aims to develop a smart and innovative integration of water and energy networks into a common framework to improve efficiency and reduce losses. This integration will play an important role in future Nexus scenarios of water and energy production, use, and wise interoperation, and as it is understood, the efficient use and availability of these two resources will be fundamental for earth's global sustainability, as a whole, and in the Mediterranean region, in particular. The introduction of new management strategies and concepts, with consequent experimental validation in prototypes built to this effect, will decisively contribute to the promotion of the project main goal: water and energy systems integration. The outcome of this project work will provide the new tools that are needed to manage water and energy resources simultaneously. This will contribute to optimize the availability of these resources, since losses will be reduced. Both rural and urban environments will be considered, contributing in this way to increase the global impact of the project outputs in the Euro-Mediterranean Region. The test pilot stations will be an excellent vehicle to promote the concepts. Further, they will be allowed to observe in loco how the concepts are applied and, at the same time, verify the advantages achieved.

## Partners

Lead Partner, University of Beira Interior, Universite de Poitiers (France), Universite de Tunis (Tunisia), National Technical University of Athens (Greece), University of Cyprus (Cyprus), Malta College of Arts, Science and Technology (Malta), Alexandria University (Egypt), ICOVI (Portugal), GB Solar (France), Green Energy Solutions Company (Egypt).

**University of Cyprus Role:** Partner

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