



EMPOWER brings together all the key stakeholders of the electric energy sector in Cyprus, with an ambitious goal to develop sustainable and intelligent technologies and tools for the electric power system of Cyprus



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EMPOWER

Empowering the Cyprus power system with sustainable and intelligent technologies



The project INTEGRATED/0916/0035 is co-financed by the European Regional Development Fund and the Republic of Cyprus through the Research and Innovation Foundation.





OBJECTIVES

- A.** Evolve the Cyprus power system with the development of cutting-edge solutions based on Information & Communications Technology
- B.** Increase the share of Renewable Energy Sources in the energy mix of Cyprus, without risking the system's integrity
- C.** Contribute to the Cyprus economic sustainability, and improve the quality of life
- D.** Develop important ties and synergies between academia, industry, organizations, and public entities
- E.** Enable a critical mass of young researchers to perform high-level research

EXPECTED OUTCOMES

- A.** The first fully observable power system in Europe through the deployment of cutting-edge metering infrastructure
- B.** Real time and accurate monitoring of the Cyprus power system (1000 times faster than current situation)
- C.** Intelligent control methodologies for enhancing grid stability, reliability, and power quality
- D.** Expansion by 20% of the maximum allowable installed capacity of renewables of the energy mix of Cyprus through the incorporation of different storage solutions
- E.** Flexible operation of the Cyprus power system by developing an innovative software platform for the control center

CONSORTIUM

