



inteGRIDy

Demonstration of smart grid, storage, and system integration technologies with increasing share of renewables

Project Numbers



- ❑ Action: **Innovation**
- ❑ Project length: **48**
- ❑ Total budget: **€15,840,275.00**
- ❑ EU Grant: **€12,329**
- ❑ Coordinator: **Andr**
- ❑ Partners: **30**
- ❑ Demo Pilots: **10**

ATOS is leader in digital services with pro forma annual revenue of circa € 12 billion and over 100,000 employees in 72 countries, serving a global client base.

Atos Research & Innovation (ARI) is the R&D hub for emerging technologies and a key reference for the whole Atos group. With almost 30 years of experience in running Research, Development and Innovation projects, we have become a well-known player in the EU context.



10 Pilots Demonstrators



Large Scale Pilot

Small Scale Pilot



TERNI *Italy*

San SEVERINO MARCHE *Italy*

St JEAN de MAURIENNE *France*

THESSALONIKI *Greece*

PLOLESTI *Romania*

ISLE of WIGHT *UK*

XANTHI *Greece*

LISBOA *Portugal*

BARCELONA *Spain*

NICOSIA *Cyprus*



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Small Scale Pilots with EV demonstration



Lisboa, PT



- Integrate EV fleet Management with Building Energy Management System
- Integrate renewable energy production with EV fleet management
- Evolution of existing EV charging solution with the future possibility of supplying energy to the grid during peak hours.



Xanthi, GR



- Evaluation of the energy management methods considering the forklift charging at dynamically changing schedules using RES, batteries or stored hydrogen options on demand.
- Offer grid balancing solutions through the ability to provide flexibility in Demand Side Response and, in the case of the EV charging unit, returning power to the grid at peak network demand.



Large Scale Pilots with EV demonstration



Isle of Wight, UK



- Evaluation of the energy management methods to the EV charging solution which stores energy in batteries to provide rapid charging on demand.
- Offer grid balancing solutions through the ability to provide flexibility in Demand Side Response and, in the case of the EV charging unit, returning power to the grid at peak network demand.

DR

SG

ES

EV

Terni, IT



- The EV recharging points are to be installed and used to evaluate how a DSO-level coordination of this loads can contribute to the grid reliability and stability in cooperation with the flexible resources of the farm microgrid.

DR

SG

ES

EV



Project Progress - M18 out of M48



M1 - M8

- Regulatory, Business Analysis & Requirement Phase

M9 - M24

- ICT tools' development phase – Tech
- Boosting Exploitation & Co

M18 - M24

- Small Scale Pilot U...nization

WE ARE
OPEN FOR COLLABORATIONS!!



Thank you!

Questions?

Atos **SIEMENS**



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