



INTERPED

Press release #1

April 2024

Launching InterPED: A Pioneering Cloud Solution for Europe's Clean Energy PEDs

The InterPED project, supported by the European Union, heralds a new era in urban transformation, targeting the establishment of Positive Energy Districts (PEDs) at the forefront of the EU's clean energy transition. As urban centers face the challenge of accounting for a significant share of global energy use and carbon emissions, InterPED introduces a pioneering strategy. This strategy underscores the importance of sustainable urbanization, merging innovative sector coupling with cross-vector optimization, and amplifying demand flexibility, all while deeply engaging consumers in the energy landscape.

The project officially commenced on January 1, 2024, with a three-year timeframe and a budget of €3,299,368.22. Coordinated by R2M Solution, the venture brings together a diverse consortium of 14 partners from seven countries: UK, Spain, Germany, Belgium, Serbia, Romania, and Switzerland.

This diverse consortium includes:

- **Technology Providers and Urban Planning Specialists:** Veolia (VEO) and the Municipality of Alba Iulia (AIM).
- **Research and Innovation Leaders:** Tekniker (TEK), Institute Mihailo Pupin (IMP), Hive Power, and Grid Singularity (GSY).
- **Academic Institutions:** Catholic University of Louvain (UCL), Heriot-Watt University (HWU), and the University of Applied Sciences and Arts of Southern Switzerland (SUPSI).
- **Energy Service Companies and Grid Operators:** The Electricity Company of Massagno (AEM) and R2M.
- **End Users, Public Authorities, and Policy Specialists:** Level9 (LVL9) and Findhorn Innovation Research & Education (FIRE).
- **Software and Cybersecurity Expertise:** Software Imagination & Vision (SIMAVI), enriching the project with their advanced IT solutions and cybersecurity measures to ensure secure and efficient energy management.

InterPED is dedicated to integrating sector coupling, cross-vector integration, demand flexibility, and consumer engagement to optimize the utility of local renewable energy sources (RES), storage solutions, and excess/waste heat.

Key Objectives

- Deploy InterPED's cloud-based solution to foster reliable, decarbonized PEDs with over 50% RES in the energy mix.
- Validate InterPED's approach in four distinct pilot settings, demonstrating improved grid robustness and unlocking significant demand flexibility.
- Develop strategic replication plans to expand InterPED's impact to additional districts, assessing the positive influence on energy infrastructure, environment, economy, and society.

Showcasing Innovation: Pilot Projects

InterPED's methodology will be tested in four primary pilots situated across diverse geographic and climatic European zones:

- Lugaritz-Matía Community (Spain)
- Ecovillage Findhorn (United Kingdom)

- Arena Innovation Community (Switzerland)
- Alba Iulia College District (Romania)

These pilot projects will showcase the integration and exploitation of RES and E/WH sources, with the active involvement of aggregators, utilities, ESCOs, and DSOs in service provision.

InterPED invites the public, energy sector professionals, and enthusiasts to engage with its developments. The project emphasizes accessibility and collaboration, intending to disseminate its findings and methodologies for broader adoption and implementation.

Partners:



Follow Us On Social Media Accounts:

<https://interped.eu/>

<https://www.linkedin.com/company/interped/>

https://twitter.com/interped_eu

<http://www.youtube.com/@InterPEDProject>