Partners search for Support Services for Energy Communities project

Three partner organizations (ZSE Energia, KInIT, OPNU) currently cooperate within the DanubeEnergy project (under Interreg Danube programme – Seed Money Facility) to shape a proposal under **LIFE-2025-CET-ENERCOM: Support services for energy communities.** We are seeking consortium partners experienced in energy communities to co-develop scalable support services for establishing and **growing intelligent energy communities** in Slovakia, Ukraine, and beyond.

Our vision is to create **smart, inclusive and balanced energy communities** – local ecosystems with a well-designed mix of members (households, schools, public buildings, companies, vulnerable groups), optimized to achieve **energy, economic and ecological efficiency**. We plan to pilot fully operational community **energy service**s, such as reusing surplus solar energy (from schools during summer holidays) for cooling nearby public buildings (e.g. retirement homes). We will also explore the potential for utilizing local waste heat sources in ways that could support socially vulnerable groups. To do so, we will identify and address region-specific non-technical barriers and tailor solutions accordingly. Together with ZSE Energia and KInIT, we will use smart meter data and AI-driven analysis to optimize energy flows and design sustainable business models of intelligent energy communities.

Partners

ZSE Energia, Slovakia's largest electricity supplier and a leading gas provider, is part of the E.ON Group and a key player in energy innovation. With strong R&D and EU project experience, ZSE focuses on renewable integration, flexibility, and energy efficiency.
Its expertise covers energy market integration, simulation models for renewables, and the commodity business. The main focus of ZSE within the project will be providing smart meter data, expertise on flexibility and aggregation and business models.

KInIT (Kempelen Institute of Information Technologies) is an independent, non-profit research institute based in Slovakia, specializing in intelligent technologies such as artificial intelligence and data science. It brings together experts from computer science and related fields, with strong links to sectors like energy. KInIT has extensive experience in European projects, including Horizon Europe, Digital Europe, Interreg, and the Visegrad Fund. Its teams focus on applied research in data analytics, forecasting, anomaly detection, optimization, and environmental modelling. In this project, KInIT will support the planning of services for the energy communities using AI and optimization algorithms.

OPNU (Odessa Polytechnic National University) is a major educational and research institution in southern Ukraine. It actively participates in international programmes such as Horizon Europe, Erasmus+, and Interreg. Through its Center for Energy-Efficient Technologies, OPNU focuses on advancing energy efficiency in industry and public services. In the project, OPNU will provide research expertise and support the adaptation of results to the Ukrainian context.

Contacts

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