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WHO WE ARE

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InEExS
ENERGY SERVICES ON THE BLOCKCHAIN

Innovative Energy Efficiency Service Models for Sector Integration via Blockchain

OUR PROJECT

The core concept of InEExS is the deployment of integrated energy services across sectors and carriers, and the tokenisation of energy saving data in a public blockchain to facilitate cooperation among market segments and actors. InEExS improves the implementation of Energy Efficiency Directive (EED) Article 7 and supports Obligated Parties to provide integrated service offers that enable energy savings, system efficiency and include non-energy benefits.

OUR OBJECTIVES

InEExS will develop, deploy and validate improved business models and innovative energy efficiency services to the market. The project aims to:

Facilitate the roll out of new energy service business models to a wide array of customers to create self-reinforcing business models that create revenue streams for utilities and Obligated Parties (EED Art7) as well as ESCOs and energy communities.

Connect smart energy services across sectors based on energy efficiency, distributed energy resources (DERs), demand response/flexibility, electric mobility while including non-energy benefits such as comfort, health and safety.

Offer capacity building activities to support market actors to replicate new business models and adopt contractual schemes that overcome market barriers towards increased adoption of sustainable technologies and sector integration.

OUR SCOPE

InEExS will test the innovative services, models and contracts in different EU states:

- Energy Performance Contracting with Pay4Performance guarantees (Berlin, Germany)
- Improved self-consumption of distributed energy resources in Energy Cooperatives (Crevillent, Spain)
- Energy efficiency and flexibility services for legacy natural gas boilers (5 Greek cities: Athens, Thessaloniki, Larisa, Trikala, Volos)
- Smart energy management for EV chargers and electricity-based Heating, Ventilation and Air Conditioning (HVAC) appliances (location to be confirmed)
- Decentralized Energy Efficiency Power Plant (DEEPP) (conceptual)

The Business Cases improve on existing, viable business models by enhancing their integration with other services and sectors and build on pre-existing communities of participants, while aiming at extending these services to a large share of their market segment.