InEExS
ENERGY SERVICES ON THE BLOCKCHAIN

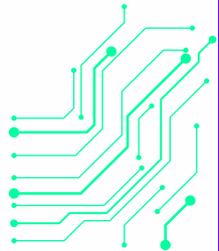## DECENTRALISED ENERGY EFFICIENCY POWER PLANT
Business Case Factsheets

The Decentralised Energy Efficiency Power Plant (DEEPP) is a conceptual innovative business model, suggested as an industrial scale solution, relying on Energy Savings Agreements (ESA), modeled on the principle of power purchase agreements (PPA) as the foundation for project financing. DEEPP integrates technologies for energy demand reduction and flexibility, coupling their operation with financial innovation. The aim is to steer energy consumption in commercial and residential buildings and facilitate renovation activity. It functions as a Virtual Power Plant (VPP) with a unique emphasis on managing demand-side assets, including insulation, batteries, and demand response technologies. It acts as a central platform orchestrating the financing and aggregation of energy efficiency projects, connecting financial institutions, Energy Services Companies (ESCOs), contractors, building owners, and energy utilities.

THE ROLE OF DISTRIBUTED LEDGER TECHNOLOGIES AND MEASUREMENT REPORTING VERIFICATION

Continuous monitoring of energy consumption and efficiency improvements in buildings is made possible through smart meters and Internet of Things (IoT) devices. Energy savings are quantified and verified using advanced data analytics and metering technologies, resulting in Energy Savings Certificates (ESCs).

TARGET GROUPS

Operators of VPPs, ESCOs, financial institutions, asset managers, technical companies, Real estate companies.

CONTACTS

Filippos Anagnostopoulos, IEECP
filippos@ieecp.org
Stavros Spyridakos, IEECP
stavros@ieecp.org

Visit our main webpage:
www.ieecp.org/projects/ineexs

Use and follow #InEExS :

BENEFITS

Enhanced value proposition, making VPPs more competitive and attractive to customers and partners looking to integrate energy efficiency.

Optimised energy demand, leading to significant cost savings for their customers.

Increased energy savings by linking financial flows to actual energy savings through third party verification.

Potential for new revenue streams partnering with various stakeholders.