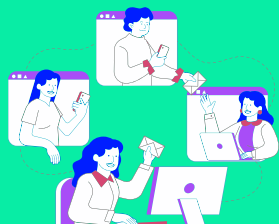




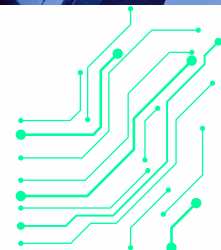
In BC1, the core concept is the deployment of integrated energy services from different sustainable sectors, such as PV panels and chargers for electric vehicles. The main goal is to include contracts with payments based on performance and Measurement Reporting Verification (MRV) performance indicators determined with help of the smart metering system. The infrastructure of the buildings should be optimised with electrification of the mobility (in line with the Berlin political goals), the energy efficiency of the system increased, and the overall energy savings from the users rewarded.



TARGET GROUPS

- ESCOs and real estate companies as potential uptakers of the available technologies, business models and contractual schemes.
- Other groups such as research institutes, associations and energy agencies, united by the same aim of overcoming market barriers by applying smart contracts based on Pay4Performance.

THE ROLE OF DISTRIBUTED LEDGER TECHNOLOGIES AND MEASUREMENT REPORTING VERIFICATION



The MRV concept is used with the aim of developing a possibility for measuring and verifying energy efficiency. InEEExS business case in Berlin measures the optimization of the energy consumption by electrifying their mobility sector and coupling it with the solar power generated on-site. A digital platform will process this information provided by the smart meters and translate the energy savings into economic rewards.

Distributed Ledger Technologies (DLT) enable the creation and execution of programs (smart contracts) designed to automatically execute, control, or document events and actions according to the terms of a contract. For this business case, DLT creates the ideal conditions for the integration of heterogeneous participants of the business models by developing and deploying smart contracts. The participants in the pool (of buildings) should be automatically rewarded based on their individual performance.



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BENEFITS



Development of contractual schemes directly connected with a reduction of the energy bills because of two main factors:

- Using more efficient technology with a better performance than the conventional infrastructure.
- Increasing the self-consumption of power produced in the buildings.



Reduction of the carbon footprint of real estate companies' portfolio.



Identification of energy savings potential for apartments through digital tools.

Visit our main webpage:

www.ieecp.org/projects/ineexs

Use and follow #InEEExS on
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