



An ITEA Smart energy project idea



# DLT4PED

## Distributed Ledger Technology For Positive Energy Districts

This project aims to find solutions that will enable producers and consumers of renewable solar energy to exchange energy with each other with the most innovative processes and products offered by information technologies. The project focused on the realisation of instant, subscription creation, energy purchase / sale and subscriber termination transactions with smart contracts (smart contracts) over the Blockchain network with the information technologies of two solar power generation points.

### Partners (to be) involved

- > 18 partners from Türkiye
- > Beia (Austria)
- > University of Eastern Finland (Finland)
- > Algae (France)
- > AKKA Industry Consulting (Germany)
- > Sigma (Italy)
- > Gruppo FOS (Italy)
- > Simavi (Romania)
- > Cemosia (Spain)
- > KTH Royal institute of technology (Sweden)
- > University of Stockholm (Sweden)

### Looking for

Missing expertise:

- > Policy maker or regulator, incl. standardisation body
- > Prototyping and demonstration
- > Procurer of results (Public-Private)
- > Finance provider (Public or Private)
- > Contributions from the social sciences or/and the humanities

Missing partner types: all, especially industry

Missing countries: European countries

### Key Selling Points

What is the innovation?

- > Blockchain Network Software
- > Energy E-Commerce -SaaS

What is the business impact?

- > Citizen level energy producing and marketing on the transparent and trusted network (DLT ~ Blockchain)
- > Improved customer experience
- > Live city/region energy reporting
- > Citizen level energy marketing education and tracking
- > Sustained behavior change
- > Improved Air Quality
- > Reduced Carbon Emissions



### Contact

Bulent Celik  
Startup - Türkiye  
E: abcelik@gmail.com T: +90 5 3525 80391

25  
years



ITEA 4  
1998 - 2023