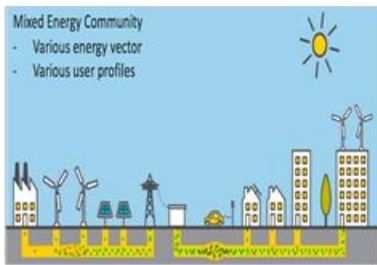


R&D PROJECT



Project Title

ENABLING ENERGY COMMUNITIES AND LOCAL ENERGY SERVICE PROVIDERS ACROSS EUROPE

Acronym

CREATORS

PROJECT CONTENT

State-of-the-art

The current state of art is that from individual technological building block level there is a lot out there that could be used to achieve the goals. Various asset-level (solar, batteries, EVs, electrified heat systems, ...) and software level (data-capture, forecast, control) parts are at a good state in a specific vertical use-case/service domain. Together with the mindsets and regulatory readiness, these technologies are however at a rather infant state on full system/community level, hence inhibiting the mass- deployment. The current state on community level is that various large/international (e.g. Siemens, Schneider, ABB) and various smaller/start-up companies (e.g. KiwiGrid, Lumenaza, Spectral) have some proof of concept pilots with limited services, limited users and limited replicability potential. They mainly focus on the operations and also on some parts of the value chain (e.g. VPP related or pure custom DSM services towards a certain value-player in the energy system). Additionally, and obviously there are 10's of H2020 projects which also focus on these themes (e.g. DRIVE)

General objectives

The objective of the CREATORS market-entry program is twofold: on one side demonstrating the added value of CREATORS approach to energy community development and management; on the other side creating a strong link with the local community energy initiators to be used as market entry for CREATORS solutions

Project tasks

- I. Project Management
- II. Simulation and emulation engine (SEE) for community energy systems
- III. CREATORS energy management and trading platform for CES
- IV. Financing procedures and business models for community energy systems
- V. CREATORS CES-as-a-service
- VI. Demonstration and validation of the CREATORS approach on community energy system
- VII. Communication, dissemination and market engagement

Project conclusions

This project is in an execution period yet.

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BTC D.D	ENERGYPRO
ENERGY FREEDOM B.V.	

BUSINESS AREAS

Área Infraestructuras
COMSA INDUSTRIAL

DURATION
2020-2023

BUDGET
6.845.000,00 Euros

KEYWORDS
Energy community development and management/Platform for CES

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EXTERNAL FINANCING

