

Technologies, Services, and Regulations















Citizen and Consumer Engagement





POCITYF





Hestia







Energy Communities Track

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sustainableplaces.eu









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1. What is CREATORS?

CREATing cOmmunity Energy Systems

Horizon 2020 Project

Accelerating the integration of Community Energy Systems across Europe



Duration of 3 years Sept 2020 - Oct 2023



Consortium of 16 partners from 8 EU countries





























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1. What is CREATORS?

SUSTAINABLE PLACES 2023

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2. Objectives of CREATORS













- ✓ Speed up the integration of energy communities in Europe
- ✓ Develop applications and services for Energy Communities
- ✓ Help CES promoters throughout the whole lifecycle of the project
- ✓ Conceptualize "Community Energy Systems as a service"
- ✓ Increase the penetration of renewables and flexibility
- **✓ Empower** consumers and prosumers in the energy transition





3. Applications and Services for CES



Simulation and emulation engine



Digital Twins



Business Models and financing protocols



Management and control platform

Create a service for offering community energy systems



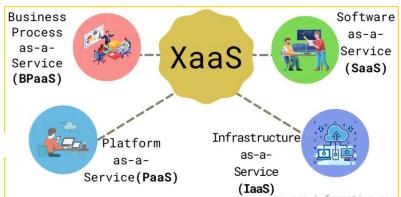
Community Energy Systems **as a service**





4. X-as-a-Service approach









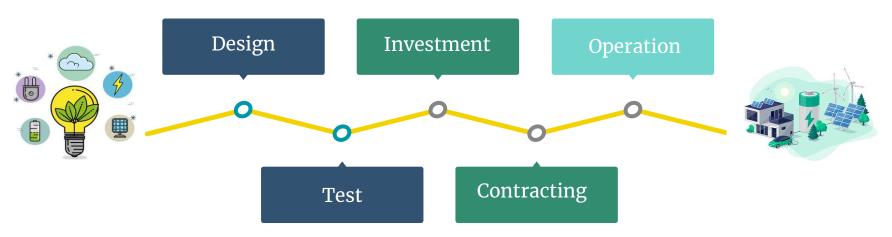


5. Our CES-as-a-Service Value Proposition

LIFE CYCLE OF A COMMUNITY ENERGY SYSTEM

Conceptualization Planning Implementation Operation

Aim to support local initiators in the deployment of CES.







6. CREATORS CES-as-a-Service Model



CREATORS CESas-a-Service



- Software-based model specialised for energy community projects
- Offers support to a customer in the whole lifecycle of an energy community project.
- Service that integrates various software tools, technologies and services for energy communities
- Composed of modular services targeting each stage of development of an energy community project.





6. CREATORS CES-as-a-Service Model



Conceptualization **Planning** Operation **Implementation**

Module 1 Feasibility

For this phase we offer a

energy community from a

technical, financial and

governance perspective.

feasibility study to design the

SEE validation and digital twin

For this phase we offer a digital twin of the energy community that allows to run scenarios and clearly see all results of the community.

Result: A digital twin of the

community working with real

or historical data. Client can

access a dashboard to see

to make choices towards

implementation.

all the results and scenarios

Result: A study with the best techno-economic solution for your project and recommendations for the governance and legal figures for the energy community.

Module 2

For this phase we offer support for funding opportunities and legal contracting requirements for the project.

Result: A report with a proposal for financiers. finance arrangements and contract acquisition

Module 3

Funding and

contracting

Module 4

Management and contracting

For this phase we offer a management and control platform for the energy community that allows to monitor and optimize the community.



Result: The energy community is managed and some assets controlled for an optimized behaviour. Client can access the dashboard to monitor all the energy flows.



Thank you!

