

BROKERAGE EVENT IN HORIZON EUROPE

ENERGY TOPICS

4 MOTORS FOR EUROPE
3rd June

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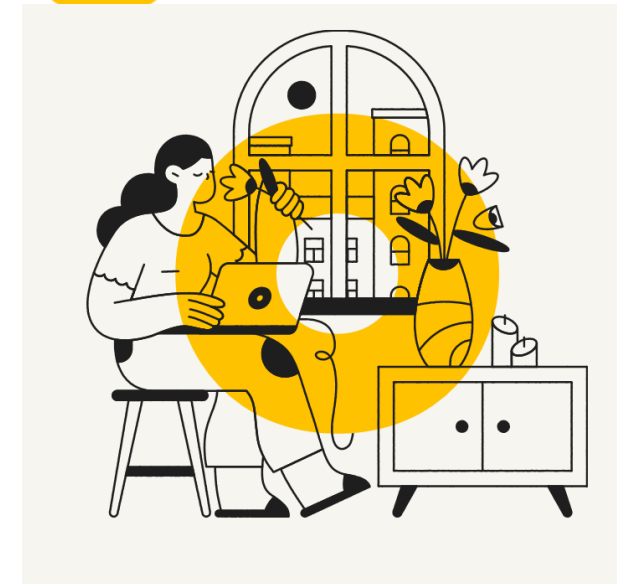
Arnau González &
Segis Verdaguer

JoinEnergy – Project idea



JoinEnergy – Create Community for the Energy Transition

- JoinEnergy was born with the aim of empowering citizens in the framework of the energy transition by providing tools that promote the creation of Citizen Energy Communities
- Meeting point for all actors involved (consumers / producers, companies and utilities, public administration



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JoinEnergy – Project idea

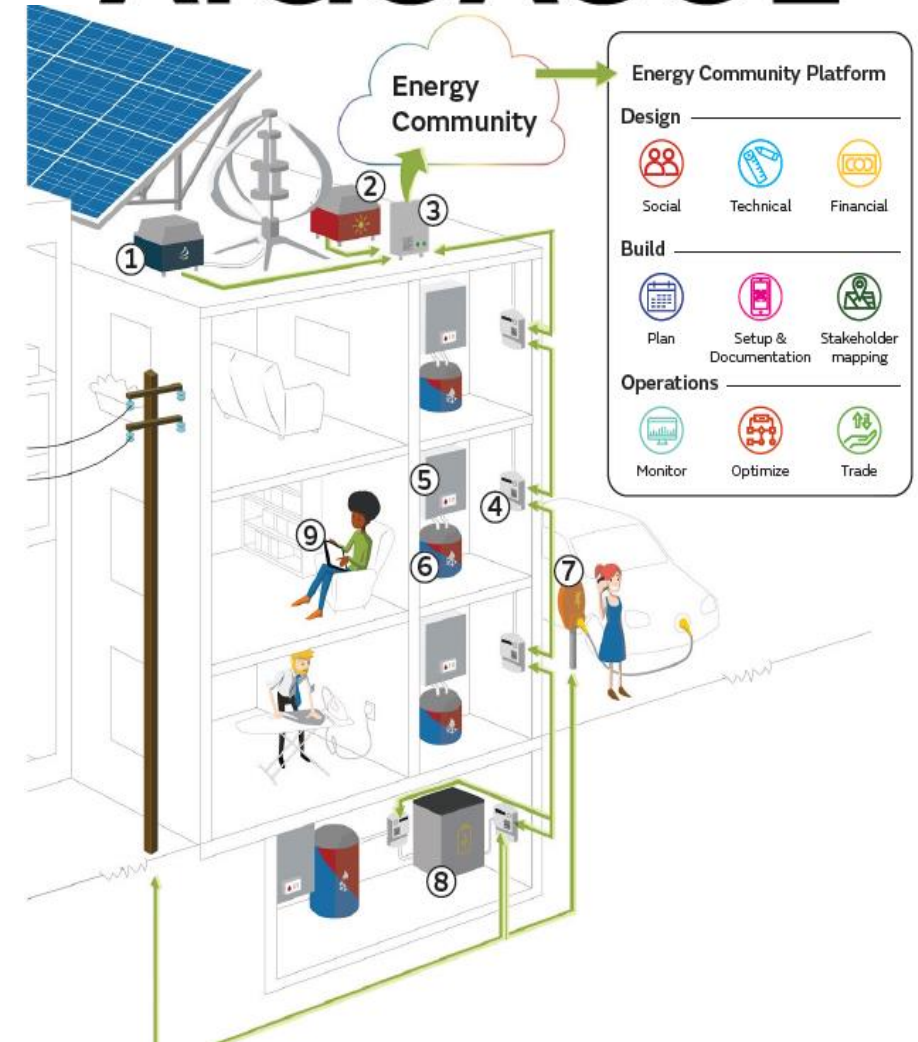
JoinEnergy – Create Community for the Energy Transition



JoinEnergy

- Keywords: *Citizen Energy Community, Collective Self-consumption, Energy Services, Citizen empowerment*

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JoinEnergy – Create Community for the Energy Transition

Modular and Flexible architecture – 3 modules

- **DESIGN:** Technic-economic prefeasibility analysis
 - Social dimension: dynamization of collective decision-making processes
 - Techno-Economic dimension: technical and economic preliminary analysis of shared Renewable Energy installations
- **BUILD:** Installation planning and project information repository
 - Acquisition (Marketplace) tool: marketplace of suppliers, service providers, installation companies, and others
 - Financial dimension: financing alternatives marketplace, from conventional funding to crowdfunding options
- **OPERATION:** Advice / council in management, maintenance and use optimization
 - Monitoring feature: continuous monitoring and display of main indicators (RE production, self-consumption share...)
 - Optimization tool: fixed / variable distribution coefficients, installation optimization (by adding more modules, batteries...), tariffs and contracted power revision and optimization
 - Maintenance and Energy management: energy billing among LEC stakeholders, anomaly detection service, RE system efficiency monitoring and maximization, predictive maintenance features...

JoinEnergy – Create Community for the Energy Transition

- AIGUASOL is an SME that provides engineering, consultancy and research services, promoting innovative solutions to reduce the impact associated to the use of energy. AIGUASOL pursues organizational transformation and focuses on social responsibility, innovation, training and quality.
- Reference stakeholder in Citizen Energy Communities in Spain and has elaborated the **Spanish guide for the promotion of Citizen Energy Communities**, promoted by the Spanish Institute for Energy Diversification and Savings (IDAE).

JoinEnergy – Involvement in other projects



- Provision of several energy services, including Demand Response (DR) schemes (H2020 Integrity), RE grid integration or innovative business models for energy services (H2020 CHESTER, H2020 AURORAL)
- Energy efficiency and Circular Economy for the residential sector (H2020 4RinEU, H2020 Plug-n-Harvest, H2020 HOUSEFUL)

- La Ciutat Proactiva (https://ajuntament.barcelona.cat/gracia/ca/noticia/set-iniciatives-locales-per-a-una-ciutat-proactiva_1000825)

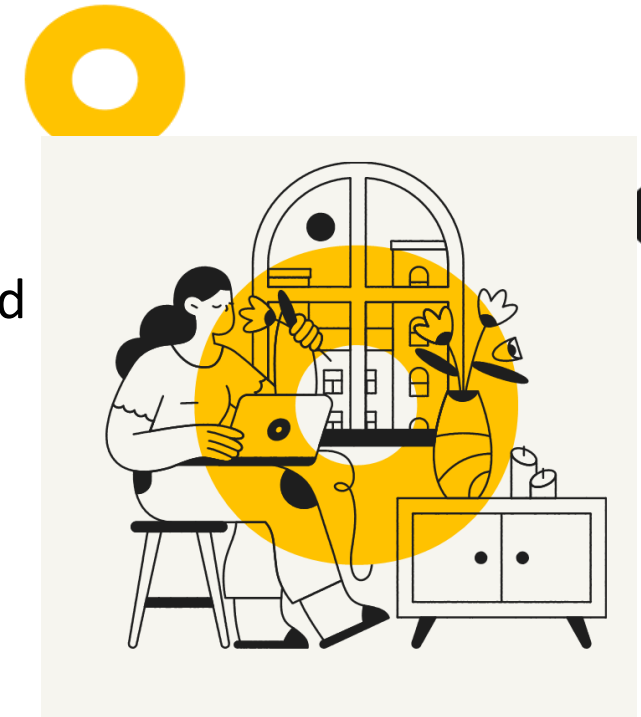
- Several proposals under Green Deal call (still pending from evaluation)



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Possible topics to be engaged in

- CL5-2021-D4-01-03: Advanced data-driven monitoring of building stock energy performance
- CL5-2021-D3-01-12: Reinforcing digitalisation related know how of local energy ecosystems
- CL5-2021-D3-01-05: Increasing energy system flexibility based on sector-integration services to consumers (that benefits system management by DSOs and TSOs)
- CL5-2021-D3-01-03: Market Uptake Measures of renewable energy systems
- CL5-2021-D3-01-02: Sustainability and educational aspects for renewable energy and fuel technologies



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AIGUASOL – Role in future projects

AIGUASOL / JoinEnergy Role

- Tailored models / tools creation
- Technology provider → JoinEnergy
- Demo site facilitator / coordinator
- KPI and Requirements definition
- Monitoring / Evaluation of Project success

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JoinEnergy

Contact us!

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