

27 MAY 2022

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GREEN TECH SOLUTIONS  
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KEY ACCOUNT MANAGER

# ENERGY COMMUNITIES



## Forms of aggregation on a local basis using ERC-owned renewable energy plants, with 'virtual' collective self-consumption



Participation by members is open and voluntary. It provides for the aggregation of individuals, SMEs, local authorities and territorial authorities, including municipal administrations, research and training organisations, religious bodies, third sector and environmental protection organisations, as well as other local administrations.

### Regulatory framework



- The 'Milleproroghe' Decree of 2019 that introduced the CERs
- Law 8/2020 converting the 'Milleproroghe' decree
- Legislative Decree 199/2021 transposing the EU Red II Directive

### Benefits for the community

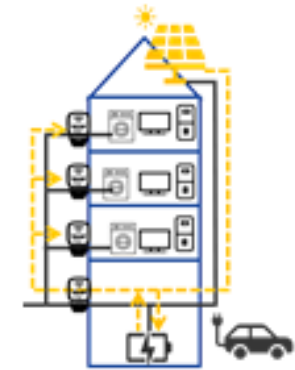


- Promoting distributed renewable energy
- Promoting energy efficiency
- Broadening market participation

### Benefits for participants



- Reduced energy costs (especially with change of habits)





## Environmental and social sustainability

- Reducing CO2 emissions by harnessing energy from renewable sources
- Combating energy poverty through the distribution of the bonus on shared energy consumption



## Economic advantages

- Maximising the value of energy produced, self-consumed and shared thanks to GSE incentives
- Reducing the bill



## Reducing network dependency

- Realisation of renewable source plants where consumption occurs
- Lower network charges

### **Specialised consultancy activities addressed to public bodies for the definition and activation of CERs**

Energy Communities are a formidable alliance tool between local authorities, citizens and SMEs in an area that can join forces for the local production and sharing of renewable energy. The transposition of the European Directive on Energy Communities (RED II) and the incentive system, open a new season of development for self-consumption of energy and give local authorities and public administrations the opportunity to valorise their real estate assets, reduce energy consumption, improve environmental sustainability and take the lead in an emerging sector such as zero-kilometre energy.

### **Numerous funding lines have been earmarked for these new projects and to support these opportunities.**

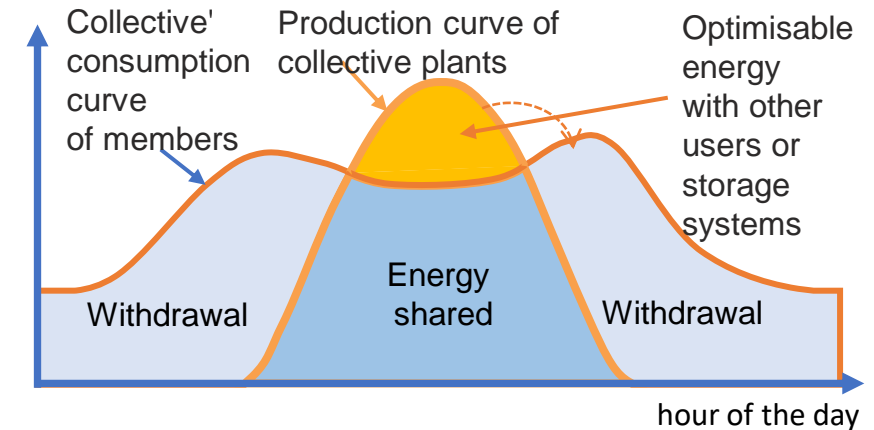
The National Recovery and Resilience Plan (NRP) and the related 2021-2027 Multiannual Financial Framework allocate 2.2 billion, earmarked for municipalities with less than 5,000 inhabitants for the promotion of renewables for energy communities and self-consumption.

- The objective of Energy Communities is to harness energy generated from renewable sources locally (condominium or community)
- The benefits apply to 'shared energy' only:



«energy produced and simultaneously consumed by members of the community»

- Billing is done on an hourly basis on data measured by existing meters, no dedicated systems are required

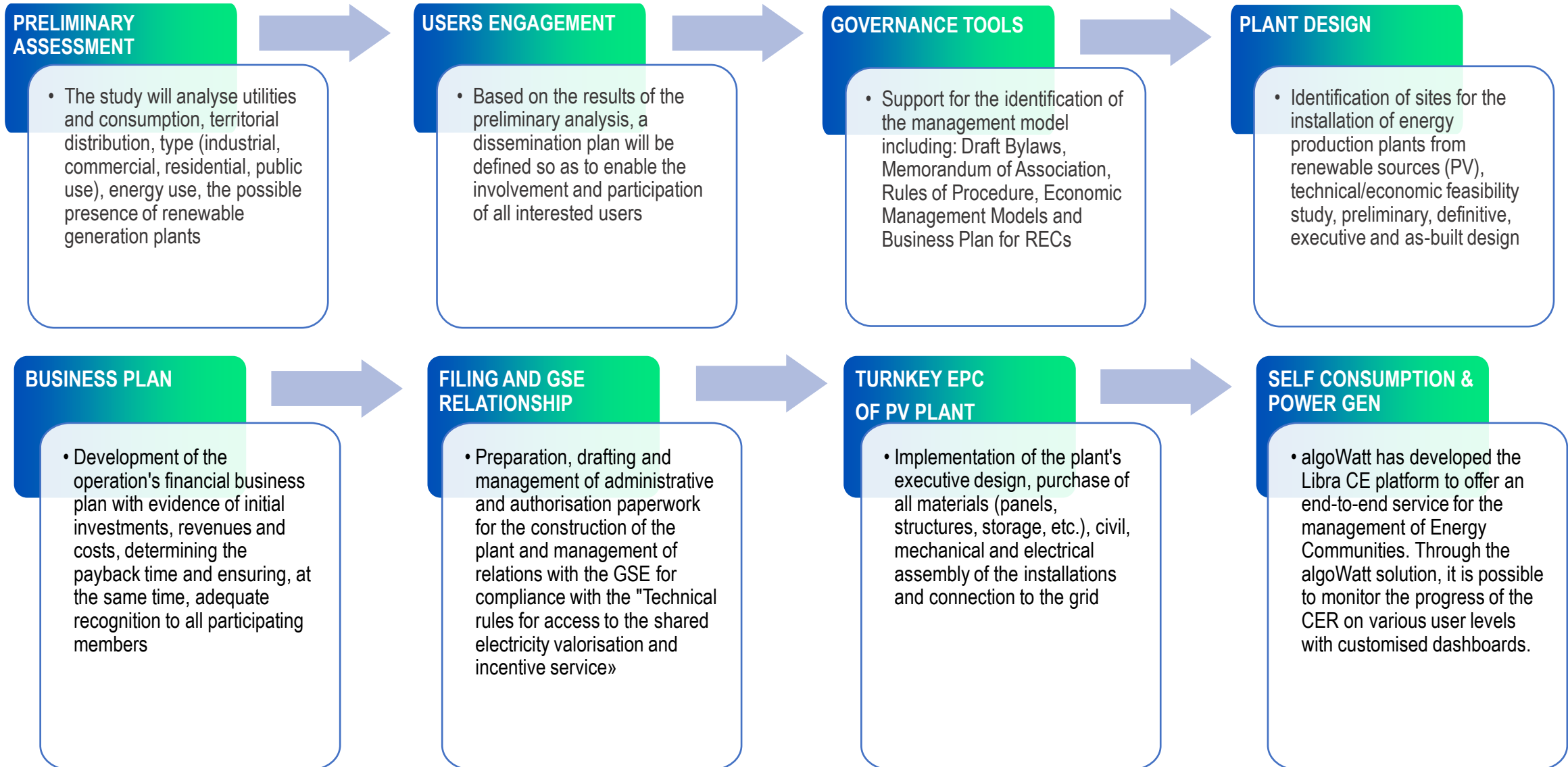


## ECONOMIC BENEFITS

- Refund of network charges for loss reduction (ARERA resolution)  
**8 - 9 €/MWh on shared energy**
- Incentive on produced and shared energy (MISE decree)  
**100 - 110 €/MWh on shared energy**  
(not combinable with Ecobonus110%)

*Additions to sale price to  
GSE or market*





Turnkey proposal backed by a track record in renewable energy and energy efficiency and a dedicated team:



TURNKEY PROPOSAL



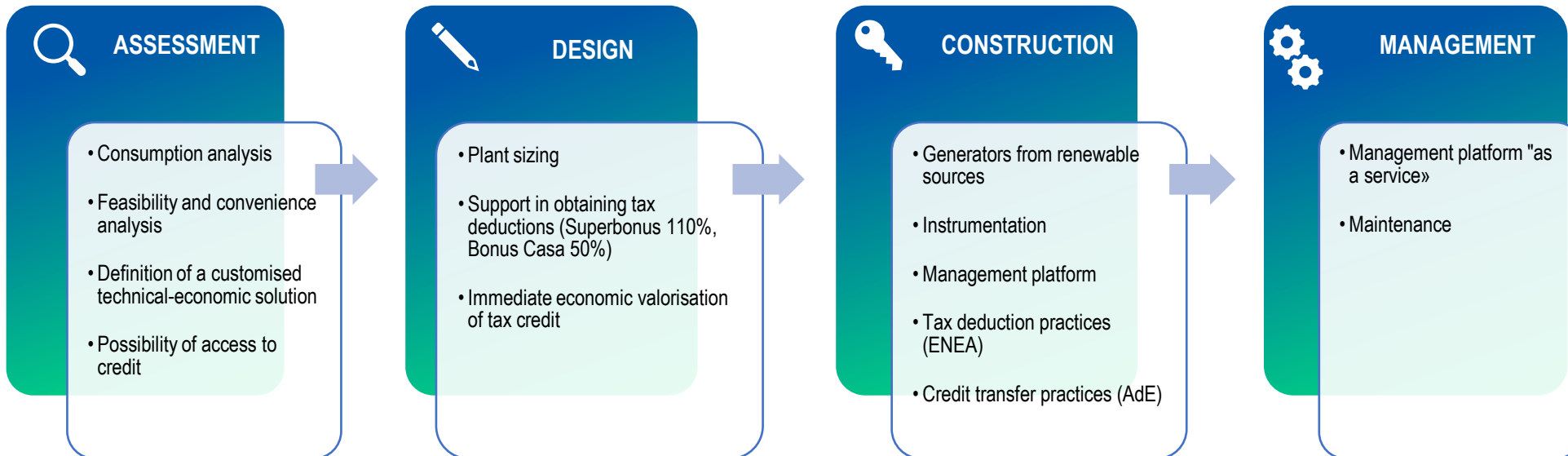
IMMEDIATE ECONOMIC VALORISATION OF THE TAX CREDIT



GUARANTEE OF WORKS



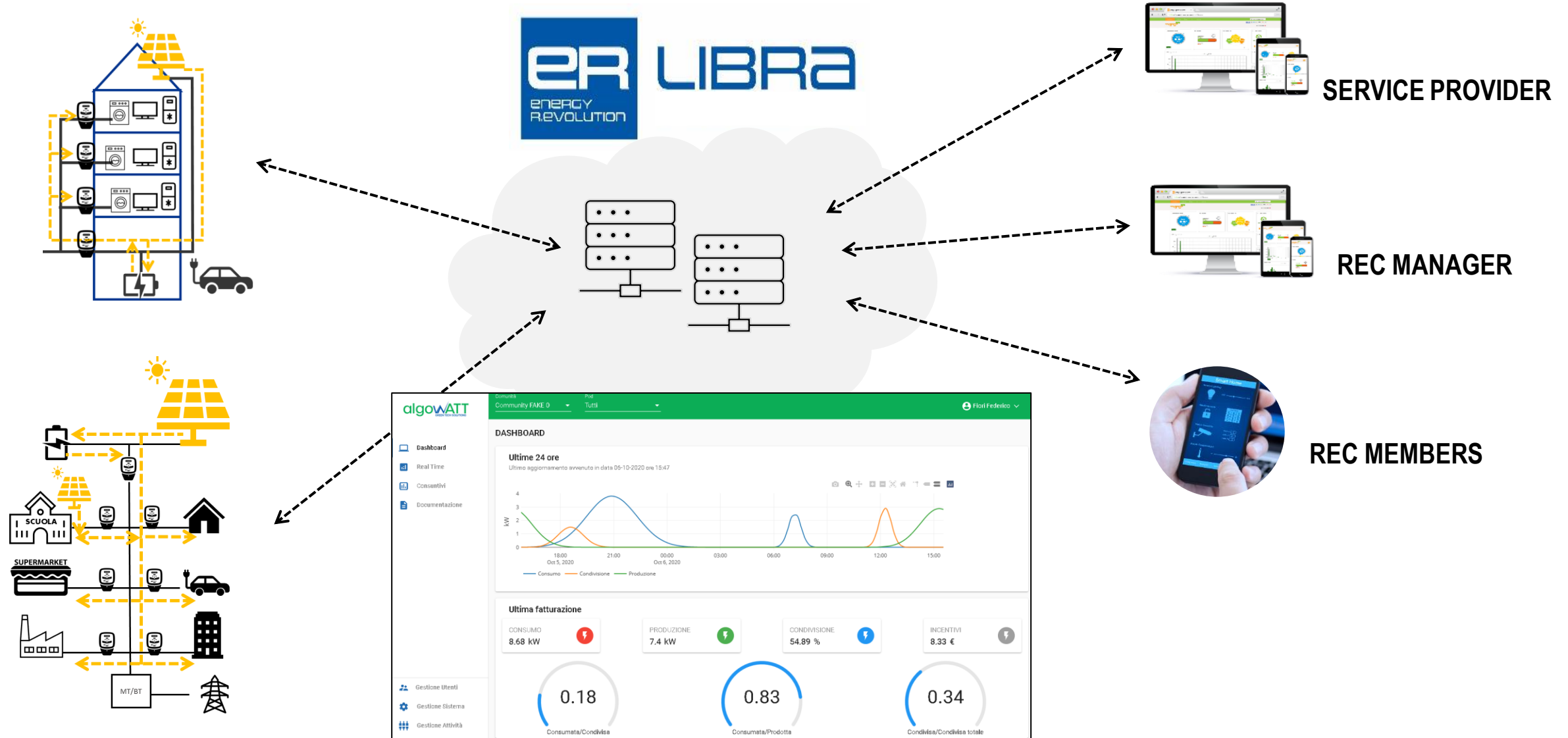
QUALITY AND RELIABILITY





algoWatt has developed the Libra CE platform to offer an end-to-end service for the management of Energy Communities. Through the algoWatt solution, it is possible to monitor the performance of the EC on three possible user levels with customised dashboards. Thanks to this tool it is possible to graphically represent through dashboards and diagrams the data that are collected from the field in real time, it is possible to have the representation of the final data and to set the management rules of the EC by defining the values for the distribution of the rewards with respect to the capacity to consume the shared energy during the production of the plants from renewable sources.







A close-up, profile view of a person's face, looking towards the right. The image is heavily stylized with digital and futuristic elements. The person's eye is replaced by a glowing, blue, mechanical-looking structure. Overlaid on the face are various white and blue digital graphics, including lines, circles, and abstract shapes, suggesting a high-tech or artificial intelligence theme. The background is a soft, light blue gradient.

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