

Flexibility for a sustainable energy system: **Regalgrid® Platform**

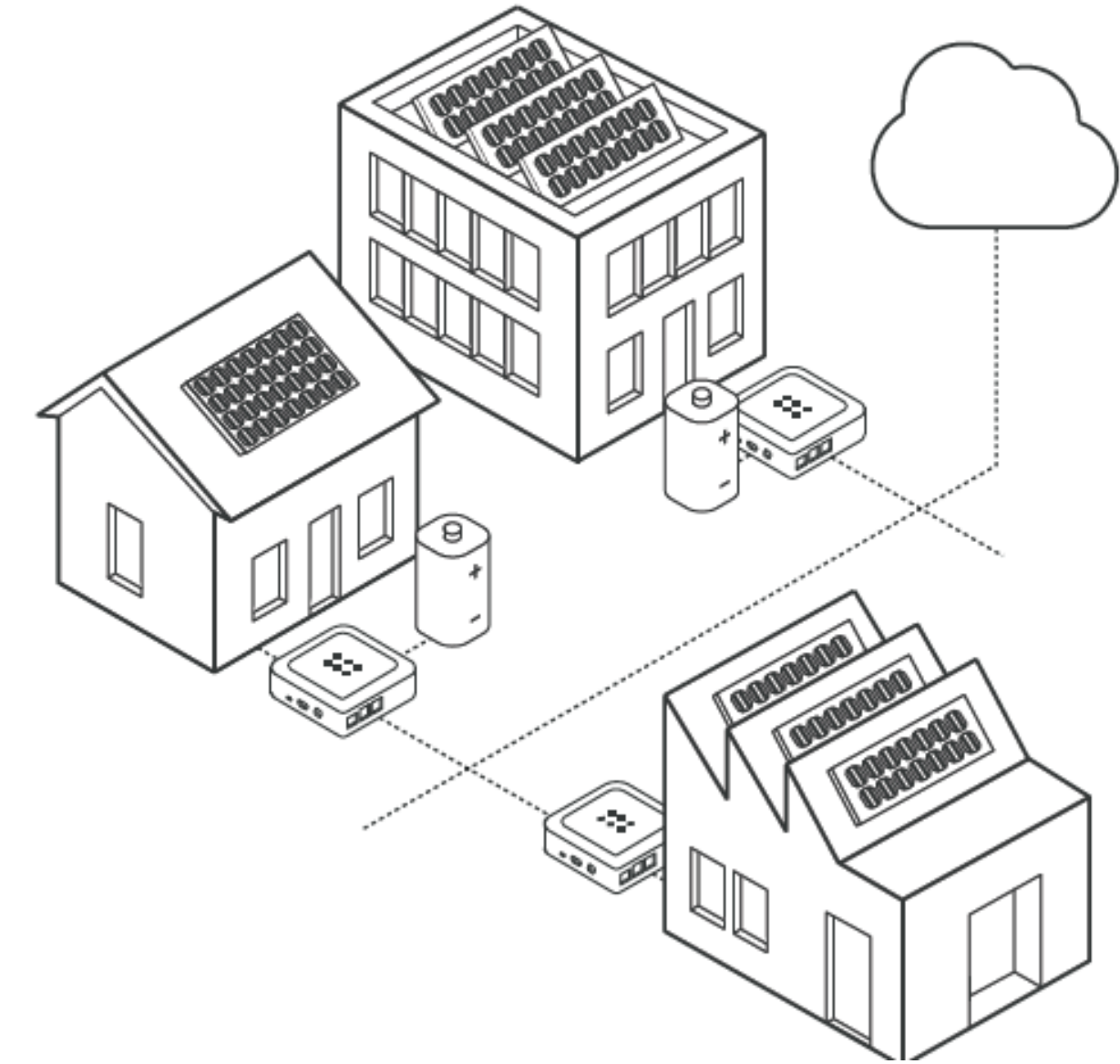
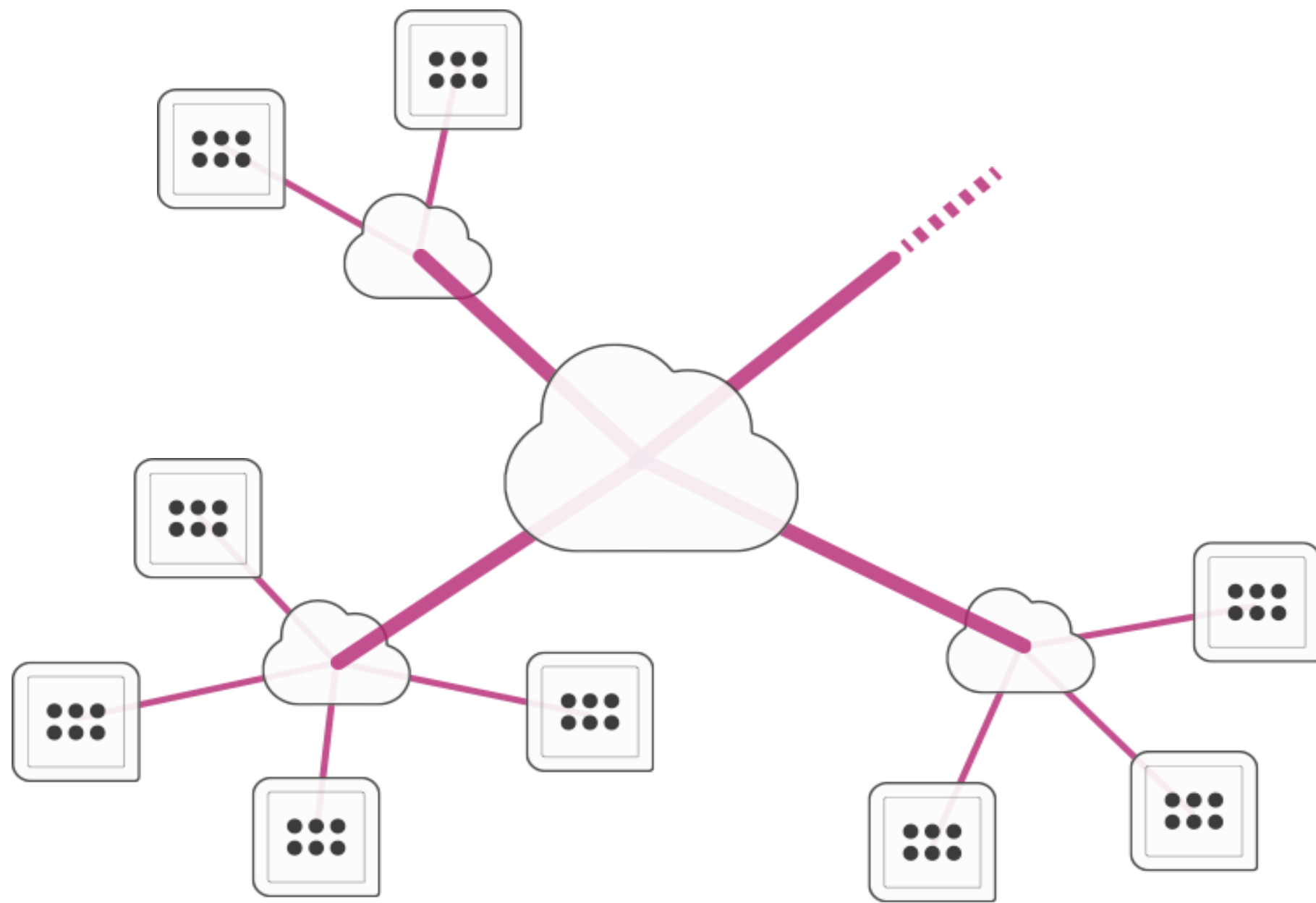
Davide Spotti, Regalgrid CEO and Co-Founder



Regalgrid®: Vision and Mission

Vision

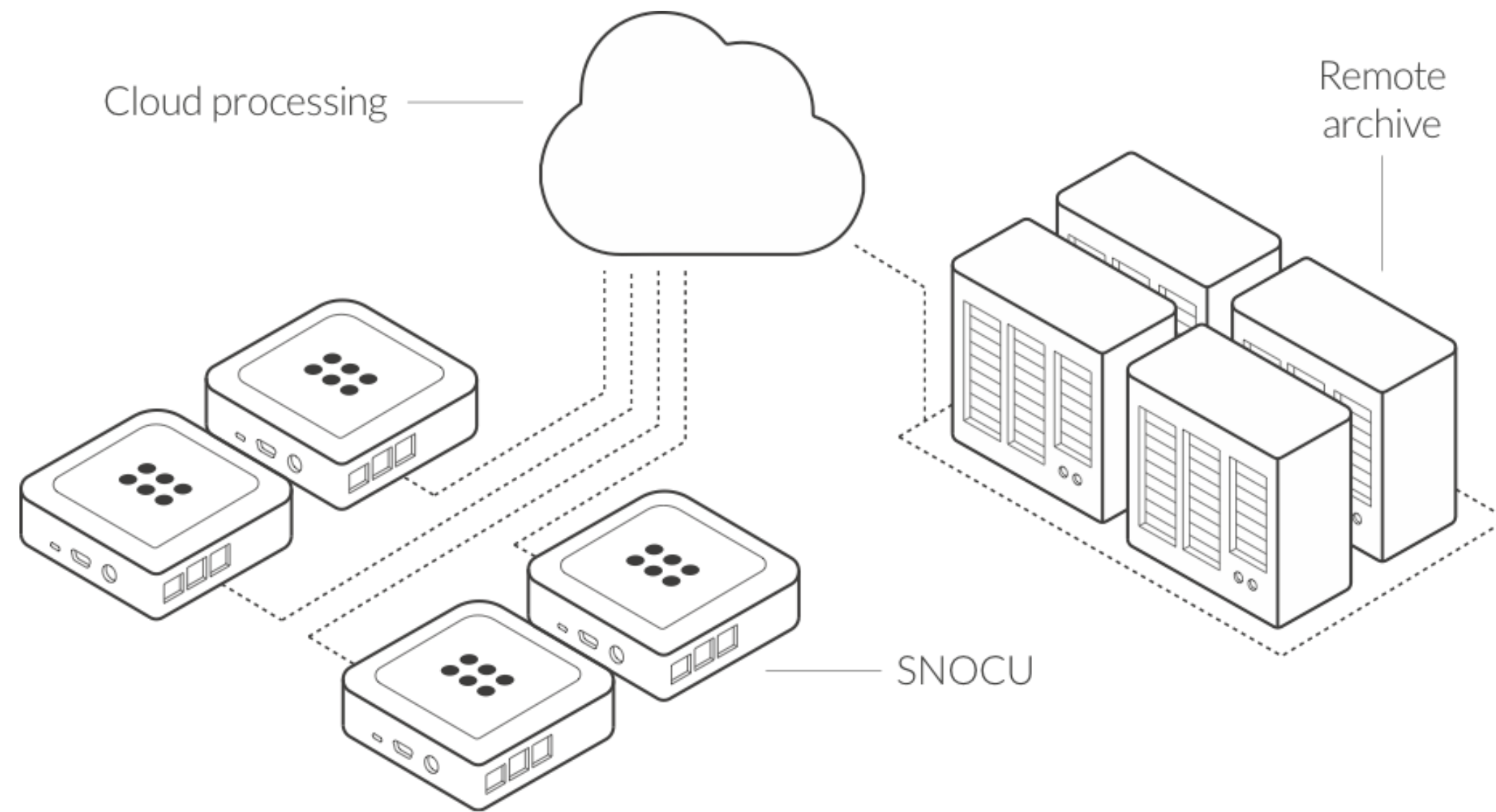
Create a **digital energy** platform to allow the development of energy communities of **prosumers**.



Mission

Create “the” standard way of communication to allow the interaction among different devices, following the **prosumer’s** goals and needs, in order to create new benefits for the prosumer, the energy community and the grid operators.

Regalgrid® Platform: Architecture

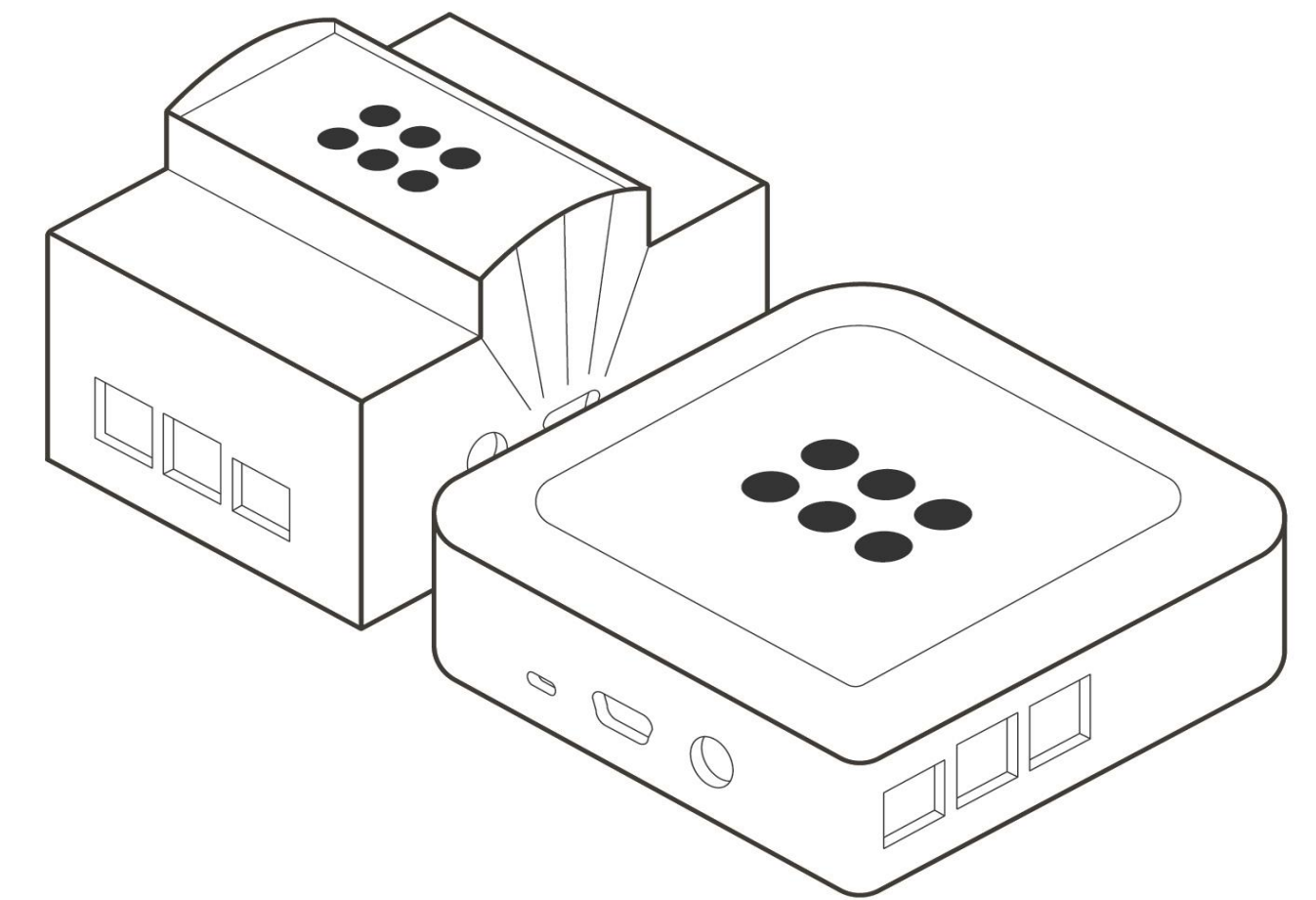


Real time platform, based on international patents, following a three layers structure:

- **LOCAL**
Interface with the local devices
- **CLOUD**
Optimization and active management
- **REMOTE**
Archiviation, diagnostic, billing

SNOCU: Smart NDe Control Unit

- Communicates with local devices, collecting information and providing active commands
- Based on different communication protocols (**Wireless, Bluetooth, LAN, serial**)
- Uses **Internet** to connect to connect with a **CLOUD** infrastructure.



Today – Services for single nodes

- Monitoring
- Improvement of self-consumption
- Optimization of energy storage devices
- Reduction of O&M costs
- Remote control of PV plant for end-users



SUITABLE for Energy Communities and Virtual Aggregation

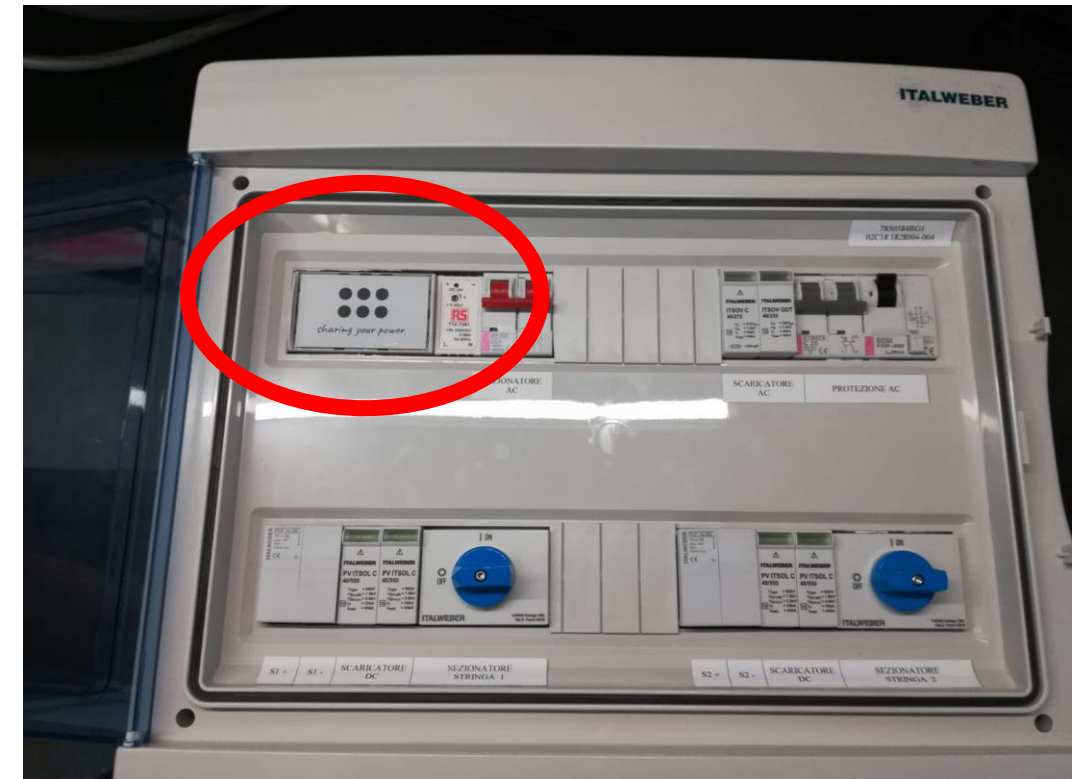
- Management platform for aggregators
- Activation of distributed grid services (UVAM)
- Suitable to work with EV chargers and Vehicle-to-Grid applications



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Italian Market references

Prosumers



★ Award Legambiente: Parco Casa Pozza



Energy communities: H-Farm



★ Bandi Sardegna: Award Microgrid Serrenti



sharing your power

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