



Plexigrid

Reinventing electricity grids for the energy transition



About Plexigrid



Plexigrid was born out of the belief in

Sustainability

Affordable electricity to everyone is a prerequisite for the decarbonization of our society

Efficiency

Today's electricity ecosystem can be operated in a far more intelligent, efficient and economical way

Offices

- Gijon, Spain
- Stockholm, Sweden

Co-workers: 24

Nationalities: 15



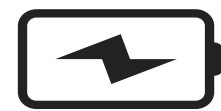
The journey of energy companies



DSOs and Energy Retailers are making major efforts to digitalize local levels.

Plexigrid is the missing link realizing the new possibilities.

1 Hardware



Digitizing equipment to fulfil specific needs.



2 Software



Software initiatives at department or business unit level



3 Plexigrid



Plexigrid connects hardware and software adding real intelligence to empower the distribution grid



Plexigrid solutions



LV Monitoring and Analysis

The Ari product box is yellow and features the Plexigrid logo, the name 'Ari', and the tagline 'Monitoring the grid'. It lists capabilities: 01-AMS, 02-ESM, 03-AMS, and 04-ESM.

Grid Planning

The Tatari product box is orange and features the Plexigrid logo, the name 'Tatari', and the tagline 'Cognition of the grid'. It lists capabilities: 01-AMS, 02-EMS, 03-AMS, and 04-AMS.

Distribution Management

The Tatari product box is orange and features the Plexigrid logo, the name 'Tatari', and the tagline 'Cognition of the grid'. It lists capabilities: 01-AMS, 02-EMS, 03-AMS, and 04-AMS.

Flexibility Management

The Tia product box is red and features the Plexigrid logo, the name 'Tia', and the tagline 'Sensing the grid'. It lists capabilities: 01-AMS, 02-AMS, 03-AMS, and 04-AMS.

DER Management

The e-Tia product box is red and features the Plexigrid logo, the name 'e-Tia', and the tagline 'Demand Response'. It lists capabilities: 01-AMS, 02-AMS, 03-AMS, and 04-AMS.

DERMS

Edge

Grid Digital Twin

Advanced analytics platform





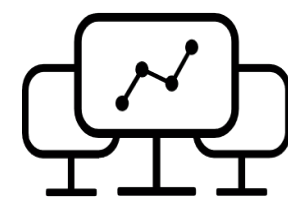
For Distribution Networks



ARI

See your grid like never before

ARI integrates all the information from your smart meters, SCADA system, GIS system and ERP system into an all-powerful Low Voltage Network Monitoring system.



Real Time Interaction

Create and access the KPI's of your network in real time



Fast Analytics

Make complex queries and apply business intelligence to your network operation



Intelligent Reporting

Customize and automate your reports and boost the value of your data





TATARI

Real time Digital Twins for network operation and planning

UNDERSTAND THE CONSTRAINTS

Determine the network capacity at every single point of the grid and use the resources efficiently

UP to 20% LOWER LOSSES

Use the digital twin for obtaining the optimal configuration of your network and reduce the non-technical losses



ANALYZE CONNECTION REQUESTS IN SECONDS

Emulate the connection of a new customer/generator or the disconnection of an existing one to evaluate its grid impact

INCREASE ROCE

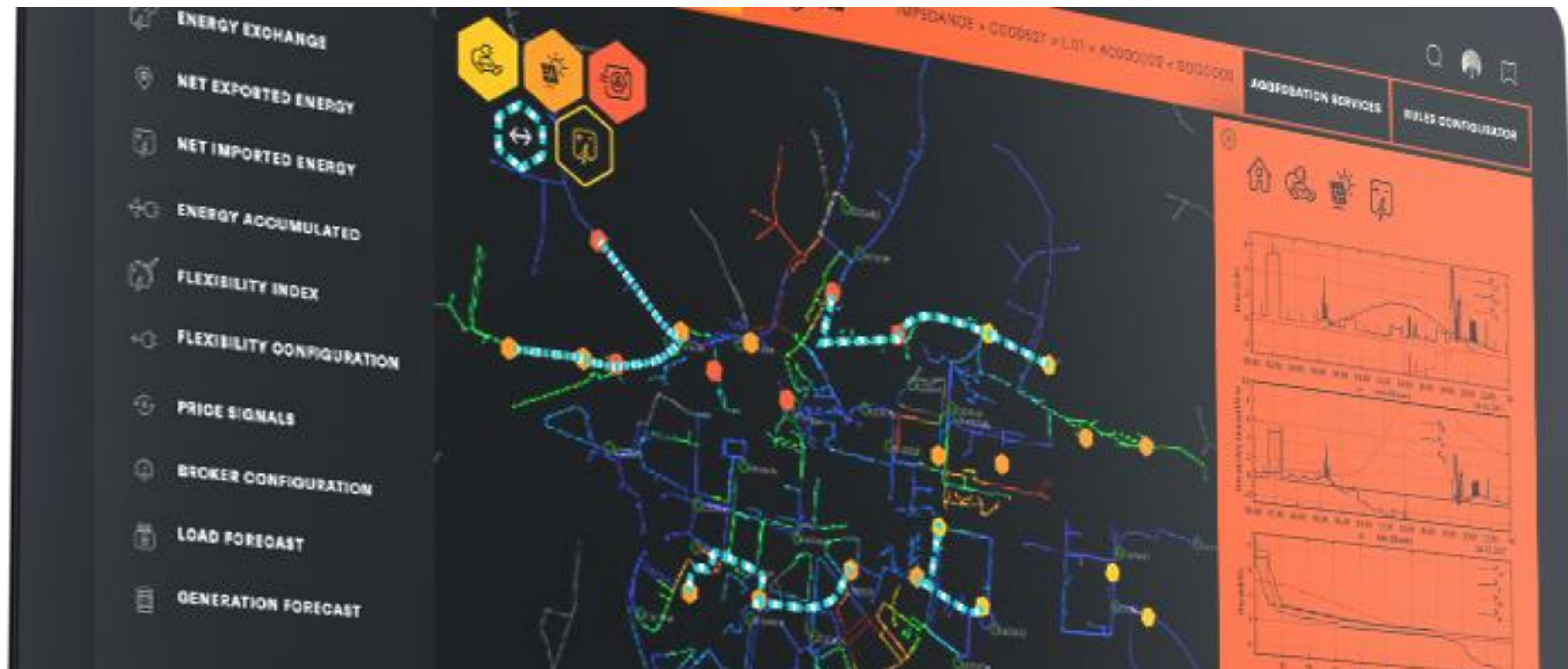
Create complex scenarios adding new technologies to the digital twin and optimize the deployment of new assets





TIA

Control your network and take advantage of the flexibility



Establish bidirectional communication with your network assets and control them remotely.

Determine the optimum flexibility activation and communicate with retailers and aggregators to avoid congestions





For Energy Retailers or Communities

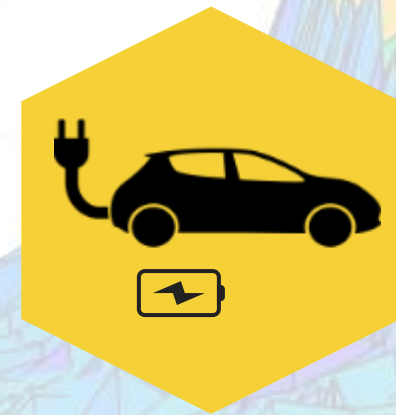


What is Plexigrid e-TIA*?



Modular

All kind of flexible assets. From residential (PV, EV, heatpump, storage...) to energy communities or industrial buildings



Scalable

Platform cloud, fitting needs of the client. Independent of hardware suppliers.



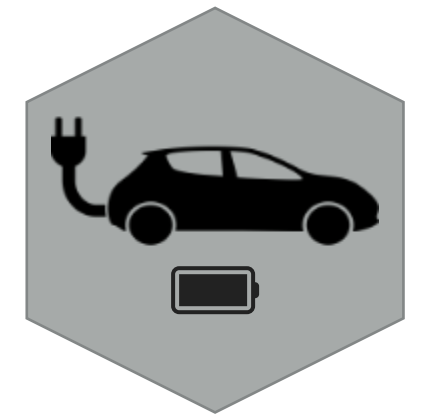
Forecast

Individual or aggregated forecasting



AI

Understanding the best option for the individuals, float, Energy communities at any time.



VPP

Controlling aggregated energy as a virtual power plant

Technology tested in a real environment controlling several PV + battery installations, and optimization of more than 50 prosumers

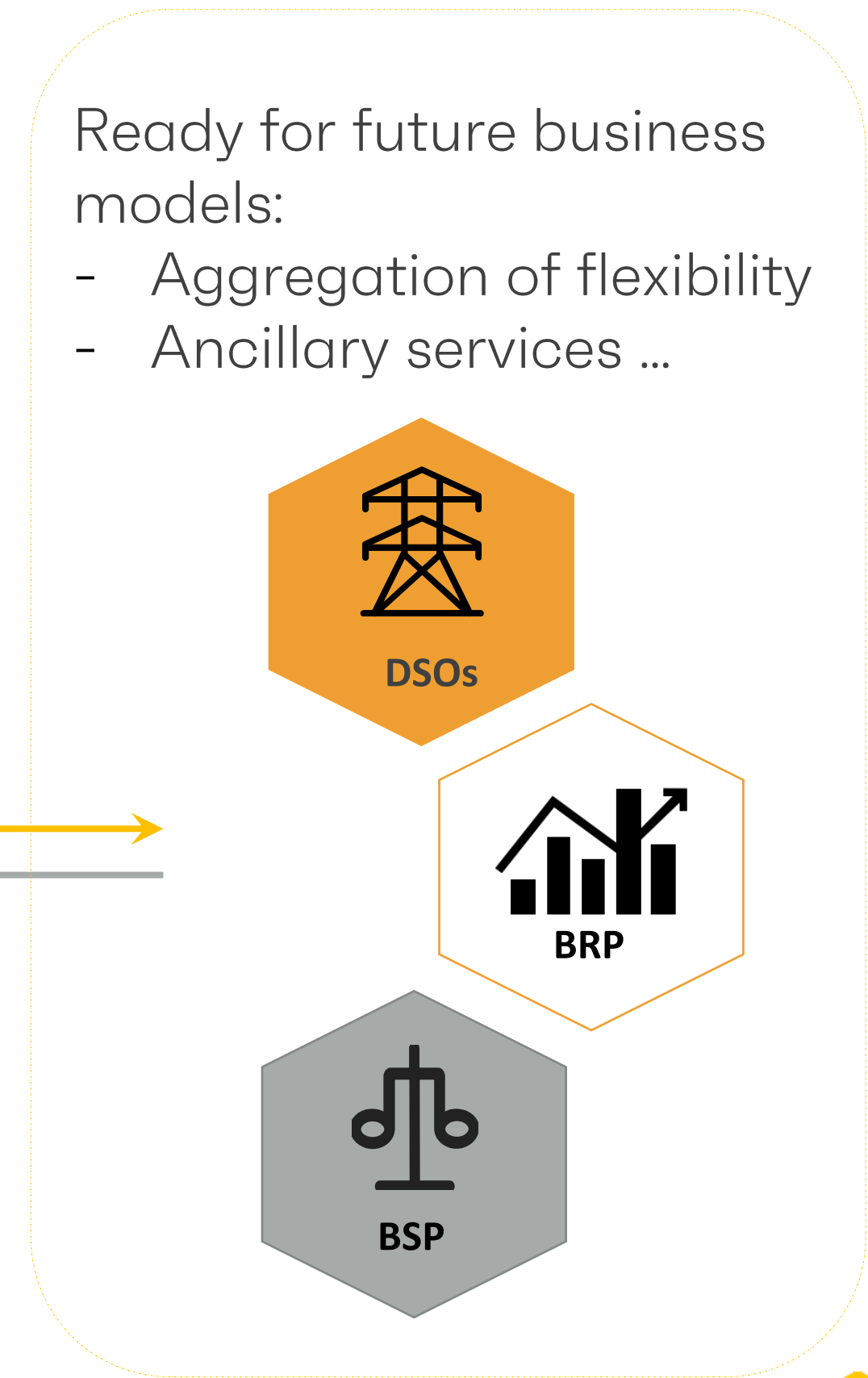
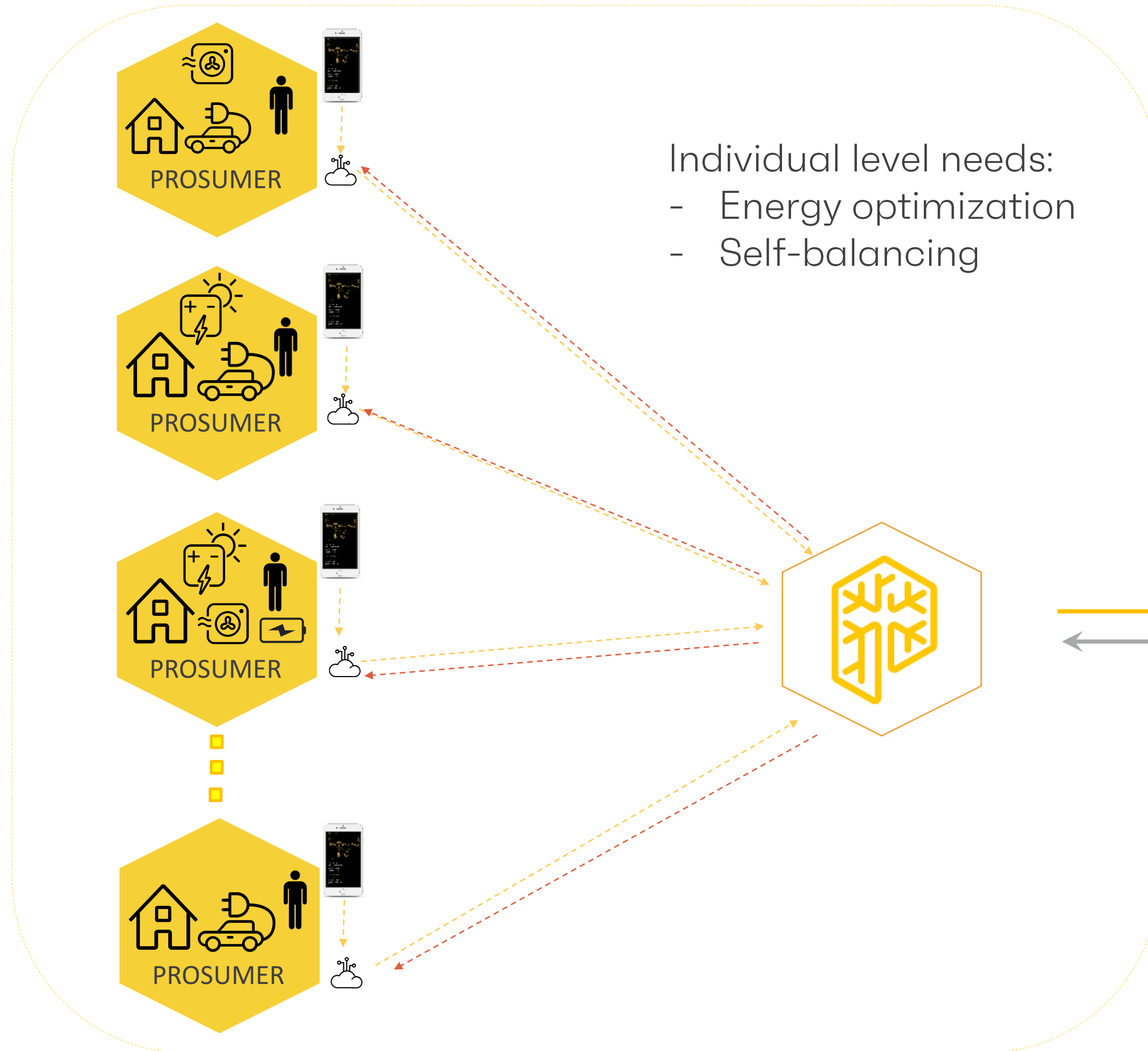
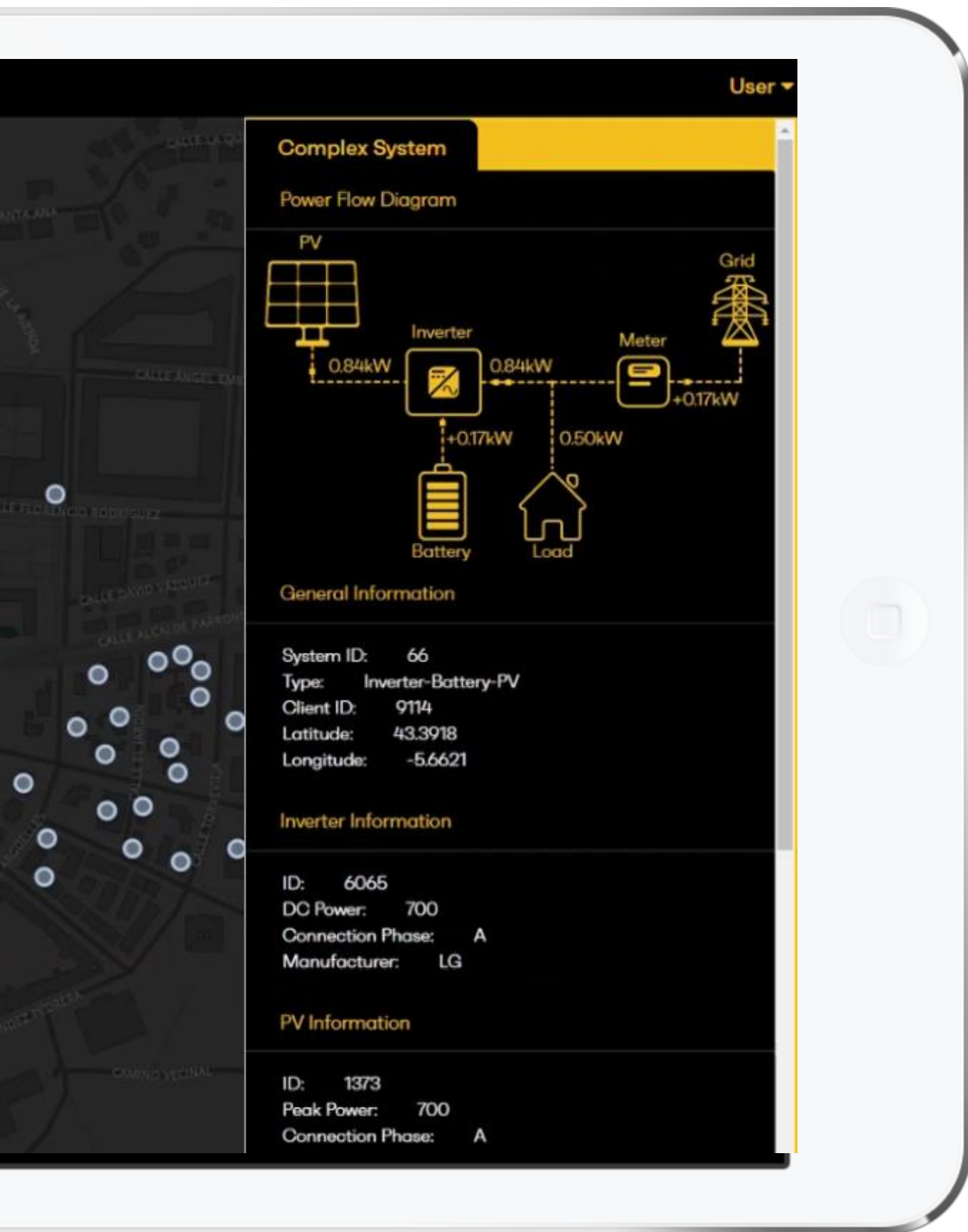
(*) e-TIA is Plexigrid platform for DERMS: Distributed Energy Resources Management System for Energy Retailers and Energy Communities





e-TIA for energy retailers and communities

Able to participate in future markets



Interests in C2 Future for Horizon

Efficient, sustainable and inclusive energy use (HORIZON-CL5-2022-D4-01)

HORIZON-CL5-2022-D4-01-01: Demand response in energy-efficient residential buildings

Efficient, sustainable and inclusive energy use (HORIZON-CL5-2022-D4-02)

HORIZON-CL5-2022-D4-02-04: Smart-grid ready and smart-network ready buildings, acting as active utility nodes (Built4People)

Any Other possibilities





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