



HIVE POWER

Flexibility Markets Monetization

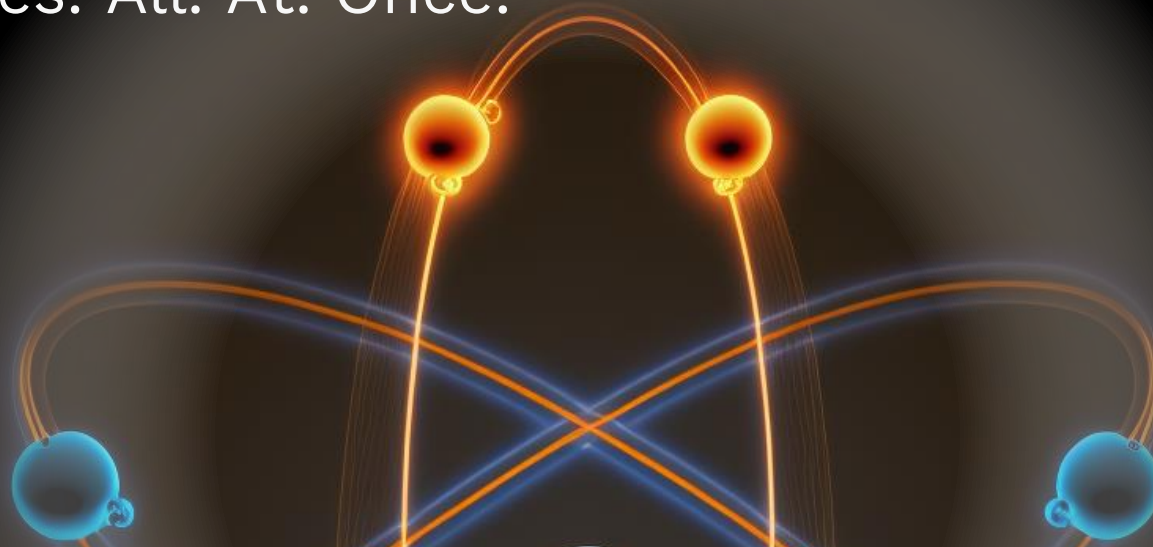
A paradigm shift: destructured scenario to distributed energy sources

Supporting our grid



Evolving energy landscape

An increasing need for **efficient energy management** on multiple levels to get the most out of connected assets; from **household** and **community**, to **national** scales. All. At. Once.



Flexibility Management

Flexible consumers reduce grid stress and energy bills:

- reducing grid congestion and expensive upgrades
- limiting penalties for failing supply or demand balance
- avoiding buying energy when prices are high



Morning demand

Evening demand

Flexibility Market Value

An increasing value for the flexible assets



Electric Vehicle



Storage Systems



Solar & Wind Variability



Smart Appliances



Time of Use Pricing



Optimisation

Marketplace Actors

Flexibility providers



Active customer

Owns the flexible assets



Aggregator

Manages flexible assets and trades flexibility



ESCo

Offers optimisation Services to the customers

Flexibility requesting parties



TSO

Transmission system operators



BRP

Balance Responsible Parties



DSO

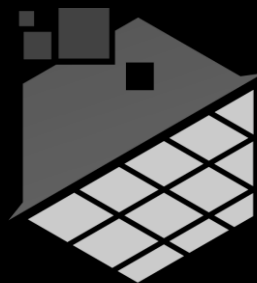
Distribution System Operators



Provides the technology needed to manage flexibility

Lugaggia Innovation Community

Peer-to-peer self consumption and
value for DSOs



LIC LUGAGGIA
INNOVATION COMMUNITY





Smart Charging for a DSO

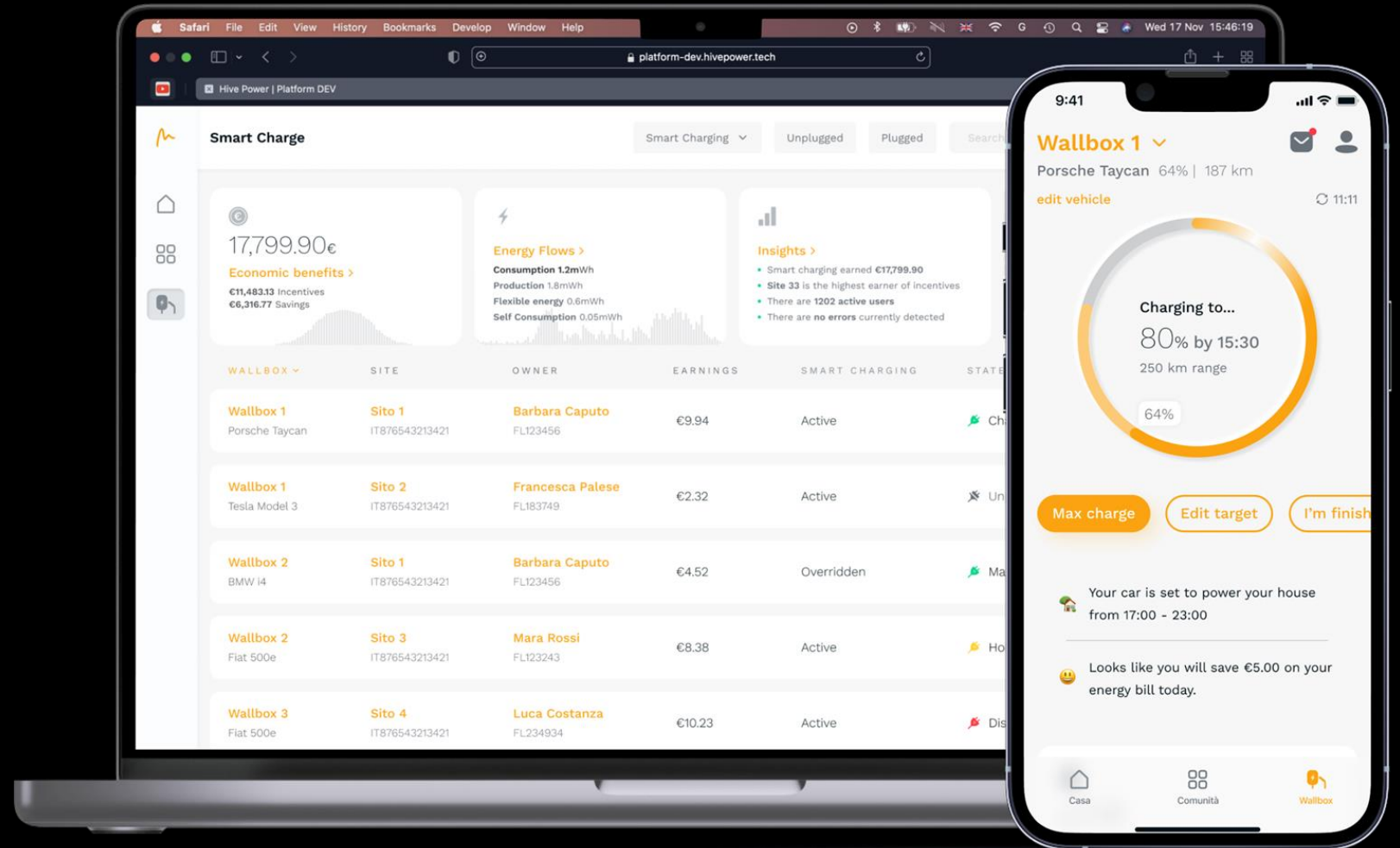
A multi-utility company balancing
the local grid distribution



AZIENDA
MULTISERVIZI
BELLINZONA

White label software plays a key role

Apps for energy communities, smart charging & V2X

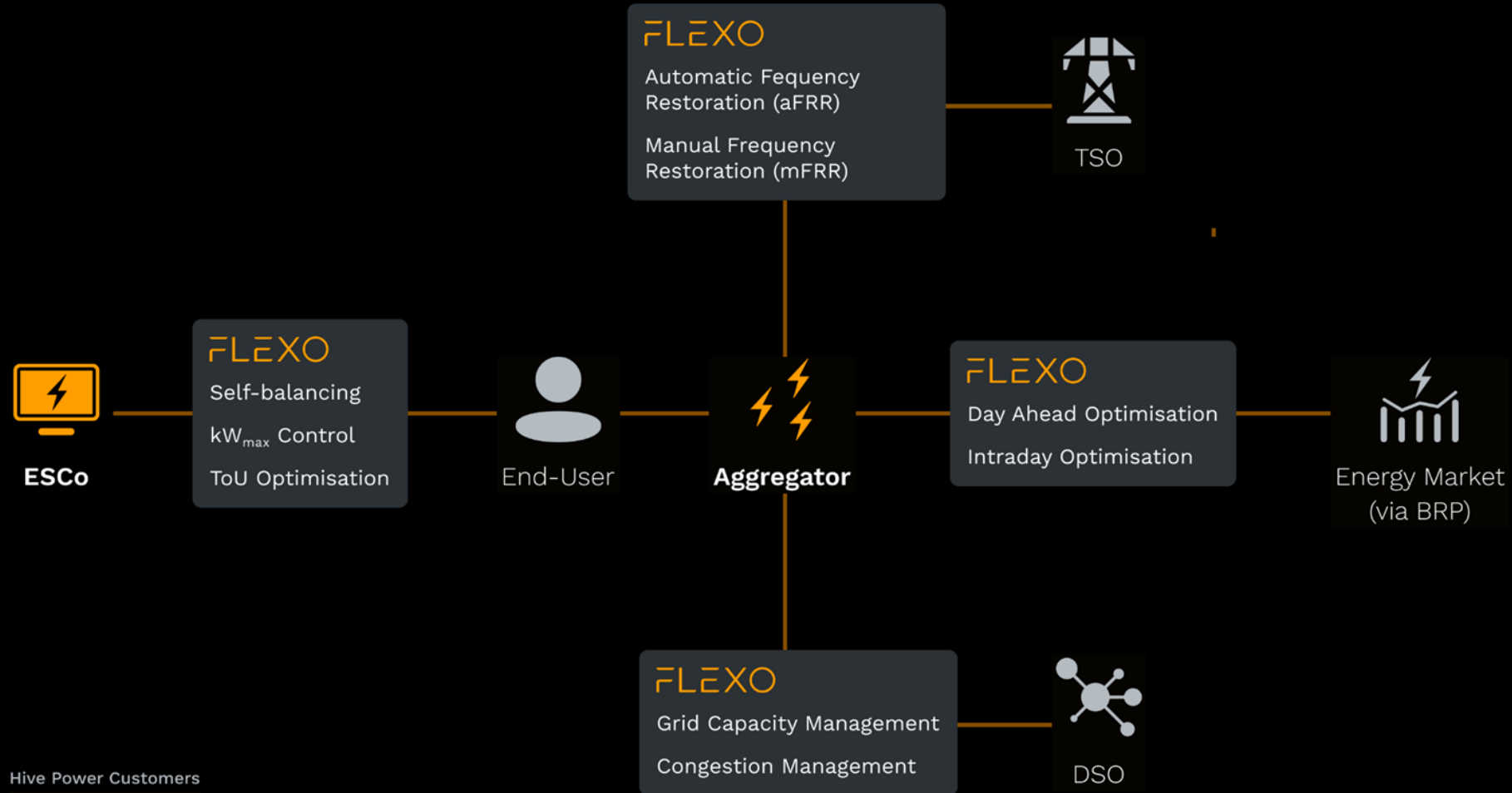


Flexibility Orchestrator

A multi-objective, techno-economical optimiser



Flexibility Marketplace



Hive Power Customers

Clients of our customers



Who gains?

ESCOs.

Aggregators.

Grid operators.

You & I.

LET'S TALK!

Contact me about our solutions



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