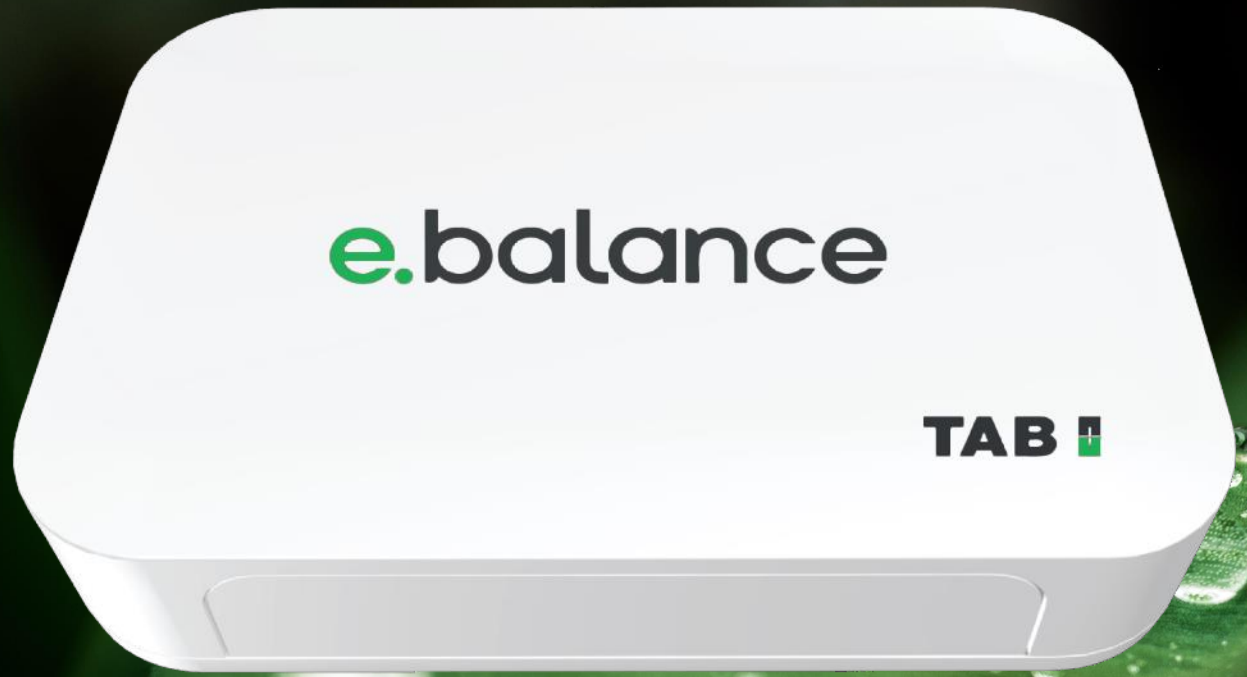
Energy Management System.

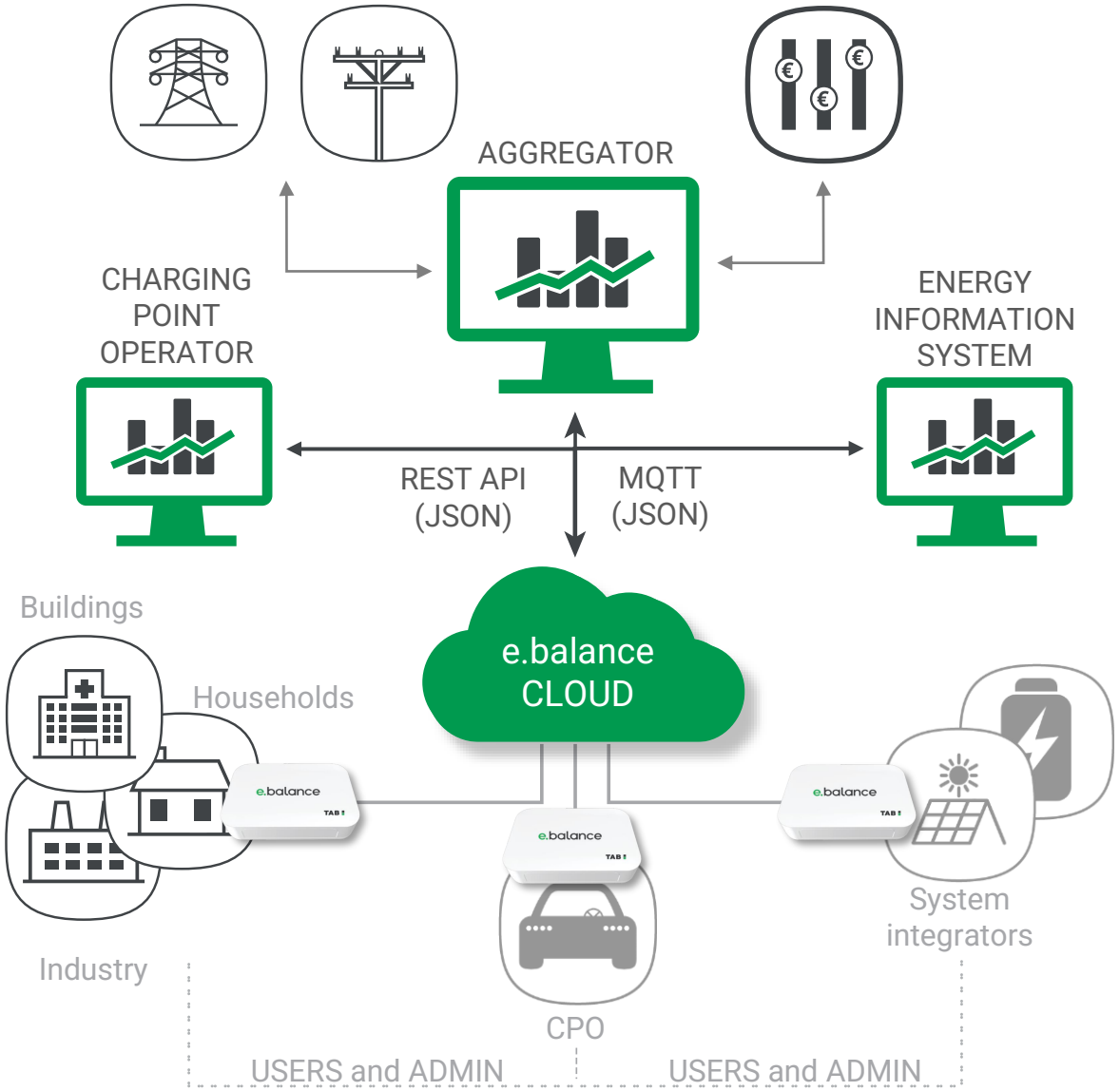
Take Control. Use e.balance



TAB
Li-Ion batteries

BY CONNECTING DEVICES AND SYSTEMS WE CREATE NEW VALUE AND CO-CREATE A SUSTAINABLE FUTURE

e.balance can connect and control the following systems



TAB Li-Ion batteries

WEB APPLICATION e.balance
DATA AVAILABLE 24/7

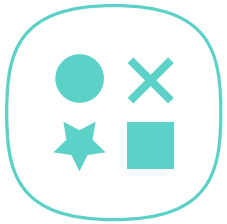
In the application, all electrical devices connected to the system are displayed. Measurements and consumption analysis are shown for each connected device separately.

- Balanced consumption of electricity.
- Efficient use of green energy.
- Energy efficiency.
- Lower electricity costs.

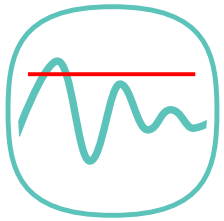
TAB Li-Ion batteries

e.balance
FUNCTIONALITIES

Recording the history
of past consumption.



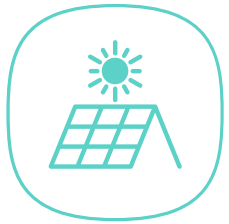
Setting smart strategies
according to needs like power/current based ON/OFF control, etc..



Peak Shaving
according to the set dynamic limits.

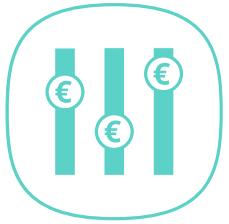
Battery Management
control based on desired efficiency.

Forecasting electricity consumption, production, and Demand Reposne potential
from renewable sources.

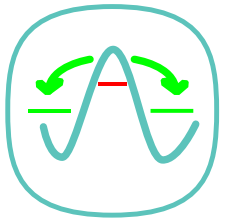


Use of electricity
from a remote solar power plant.

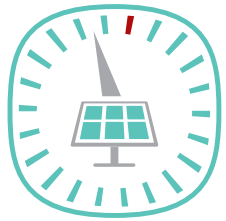
Monitoring and analysing
the use of electricity.



Adjusting the price of electricity
according to the dynamic billing model.

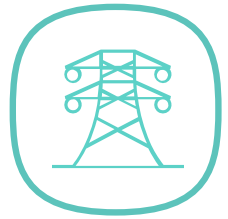


Peak Shifting
according to the price signals or time schedules.



PV export limitation
according to the measurements received from billing meter.

Dynamic Load Balancing
according to the defined priorities and measurements.



Smart Grid Ready
to support TSO, DSO or BG with DR functionalities.

TAB
Li-Ion batteries

USE CASE:
AGGREGATOR OR BALANCE GROUP WITH ABILITY TO CONTROL HEMS

Installation cost savings:

up to **500€**

Energy Meter and CT

Demand Response:

up to **10kW**

In average per household with PV, EVCS and BESS

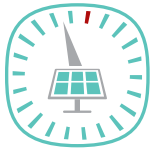
Revenue stream:

up to **900€**

Annual income from household by participating in ancillary services

With e.balance you benefit from:

1. Easy and quick installation.
2. You don't need additional smart meter for monitoring self-consumption of a house, and you use existing billing meter.
3. Set maximum grid load and protect fuse failure or reduce connection peak power.
4. Local management without cloud data processing.
5. MQTT protocol integration.
6. Smart Grid ready solution to support ancillary services (aFRR, mFRR, balance group regulation, etc.).
7. End customer application.
8. Dynamic tariffs support.



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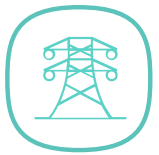

Smart Grid Ready
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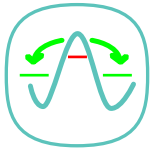

Peak Shifting
according to the price signals or time schedules.

Dynamic Load Balancing
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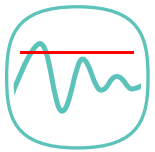

Peak Shaving
according to the set dynamic limits.

Battery Management
control based on desired efficiency.

Savings are estimated based on general data information.

TAB Li-Ion batteries

THANK YOU FOR YOUR ATTENTION

TAB
Li-Ion batteries