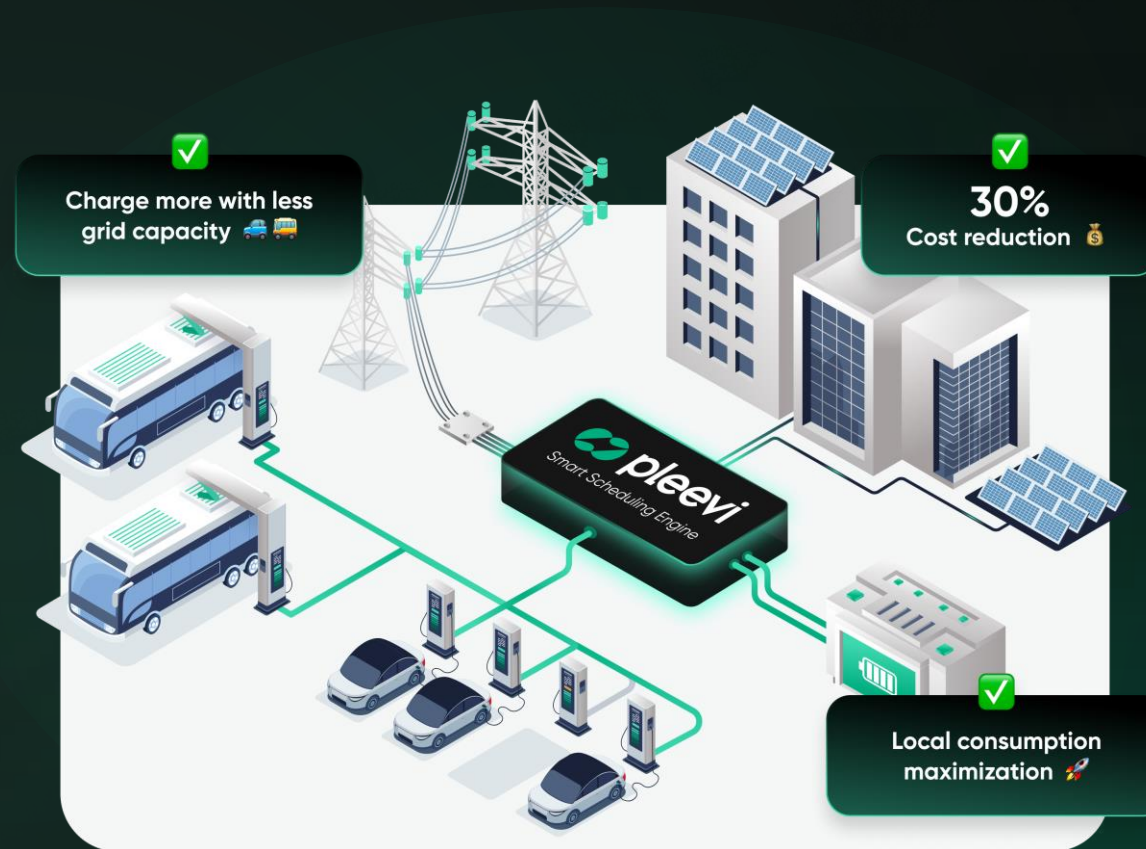


More from your assets without extra grid capacity

AI-driven optimization

One EMS for EV charging, battery storage and PV, orchestrating every asset into one predictable, cost-efficient, and clean energy flow.



Wout Lagae
Co-founder & CEO, Pleevi.ai

Powered by world-class research



Backed by



Customers & Partners



Charging electric fleets remains **costly, unpredictable,** and **increasingly complex** to manage



Limited grid capacity



Complex site architecture



Assets acting in isolation

Missing opportunities



Local production wasted



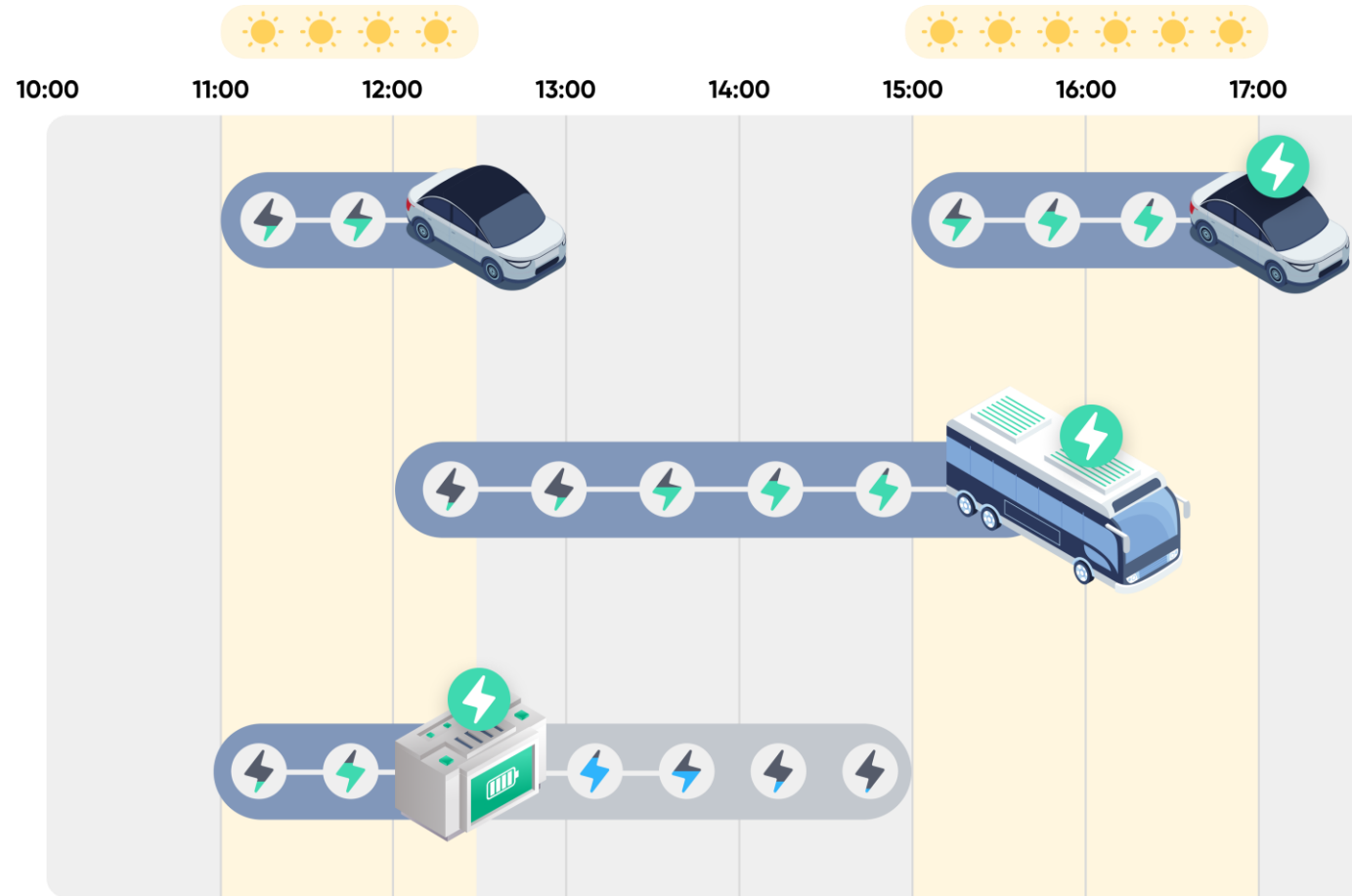
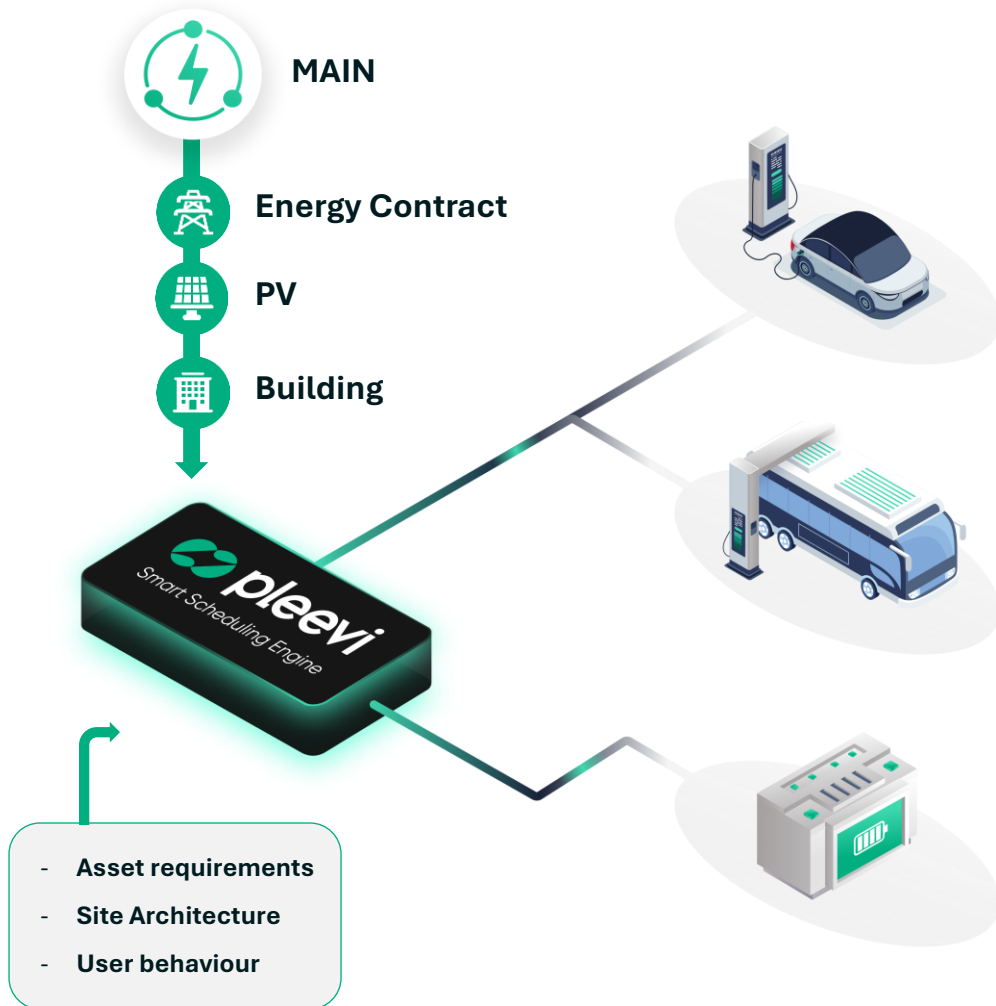
Unpredictable demand



Volatile energy prices

Rule-based solutions are not sufficient

Pleevi tackles that complexity by turning it into **predictable performance** for AC, DC and stationary batteries



RESULTS

One engine, automated value stacking on your site

☀️ **Maximized self-consumption**

⚡ **Lower peaks, zero driver impact**

€ **Optimized for your contract & day-ahead prices**



📈 **New trading revenue**

🕒 **Every car ready on time, per charge point or driver profile**
Sales rep · Employee · Visitor · VIP zone

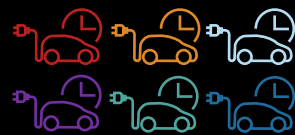
📄 **Actionable monthly benefit reports**

**FOUNDATION**

All basic EMS: real-time insights, load balancing, site topology aware



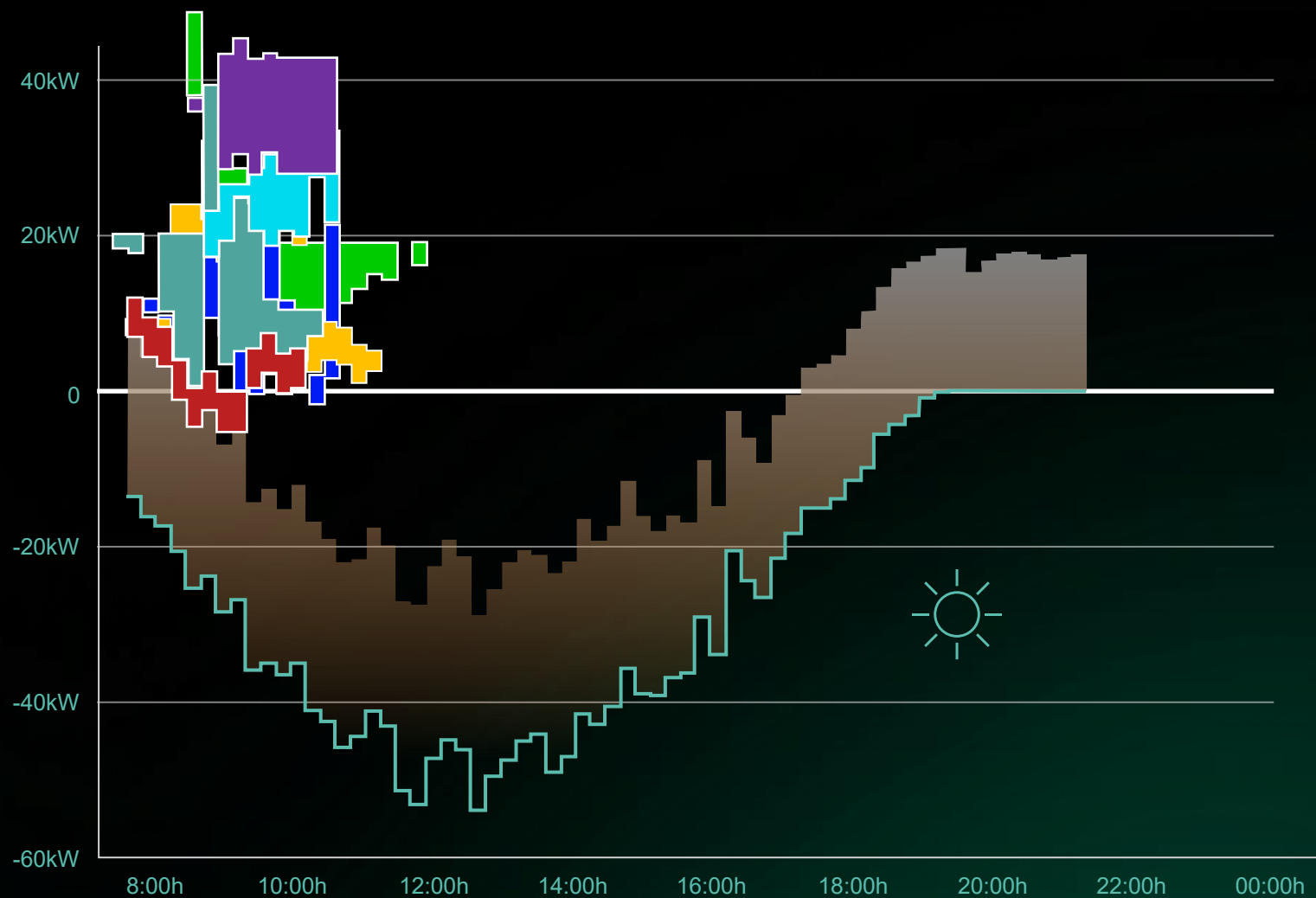
Charge at work (*naïve*)



WHY

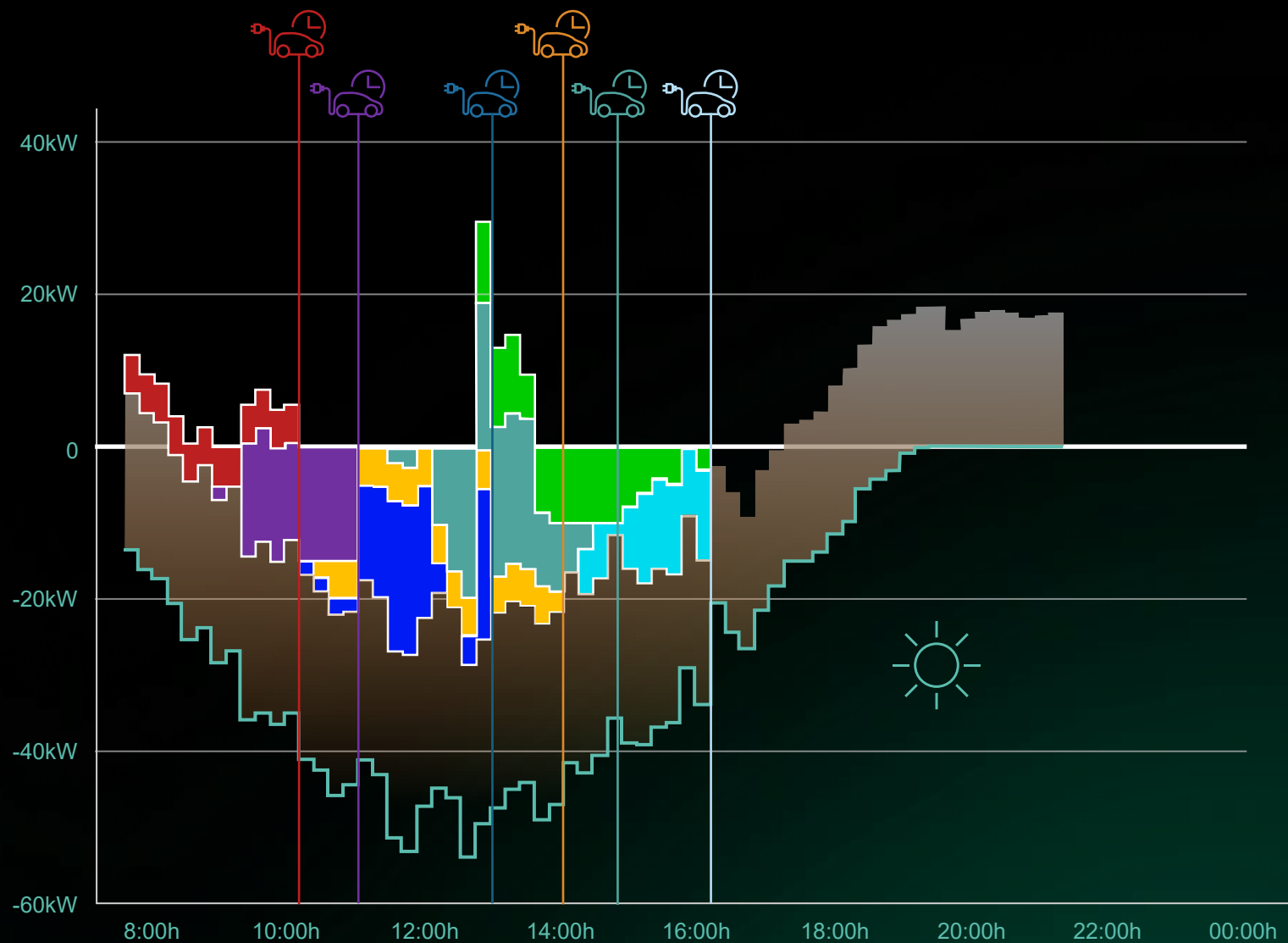
WHAT

HOW



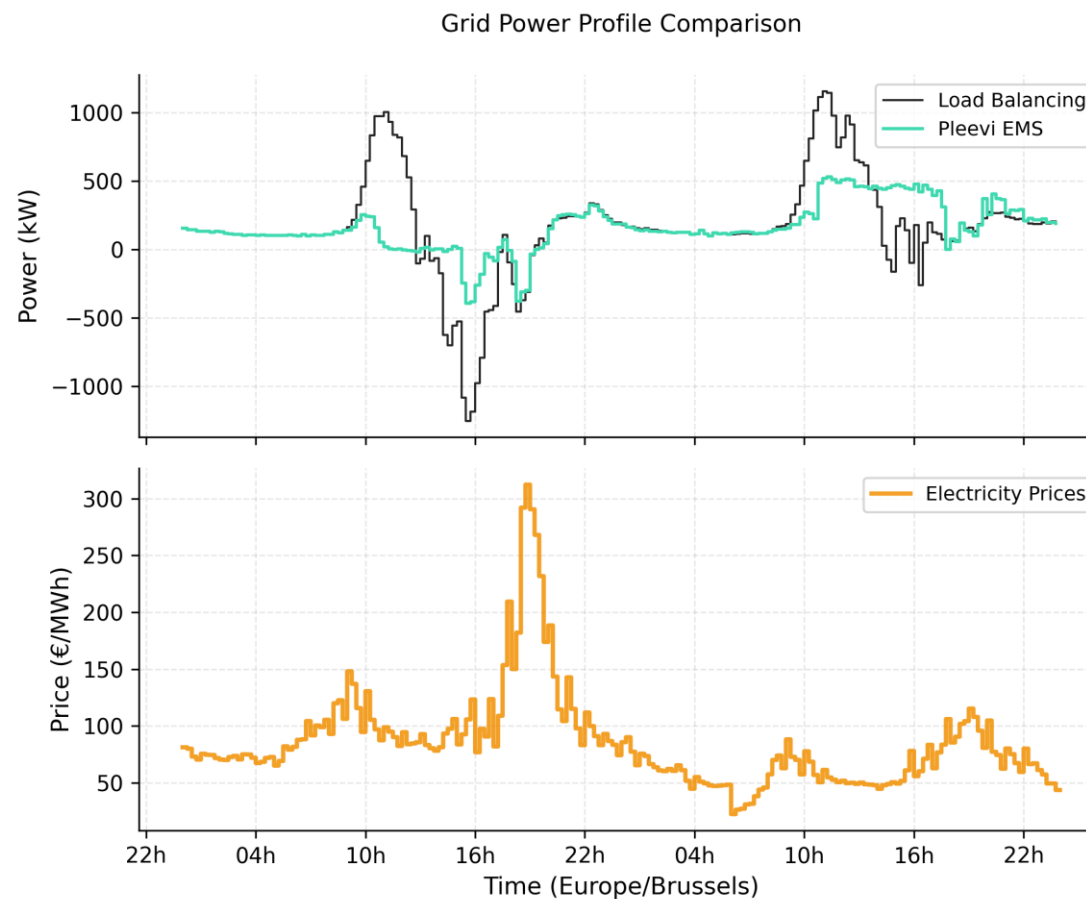


Charge at work (*smart*)



Example 1:

Workplace Charging with PV production for 1 month



Pleevi serves the combo of:

- Peak reduction
- Autoconsumption increase
- Spot price alignment
- No impact on driver

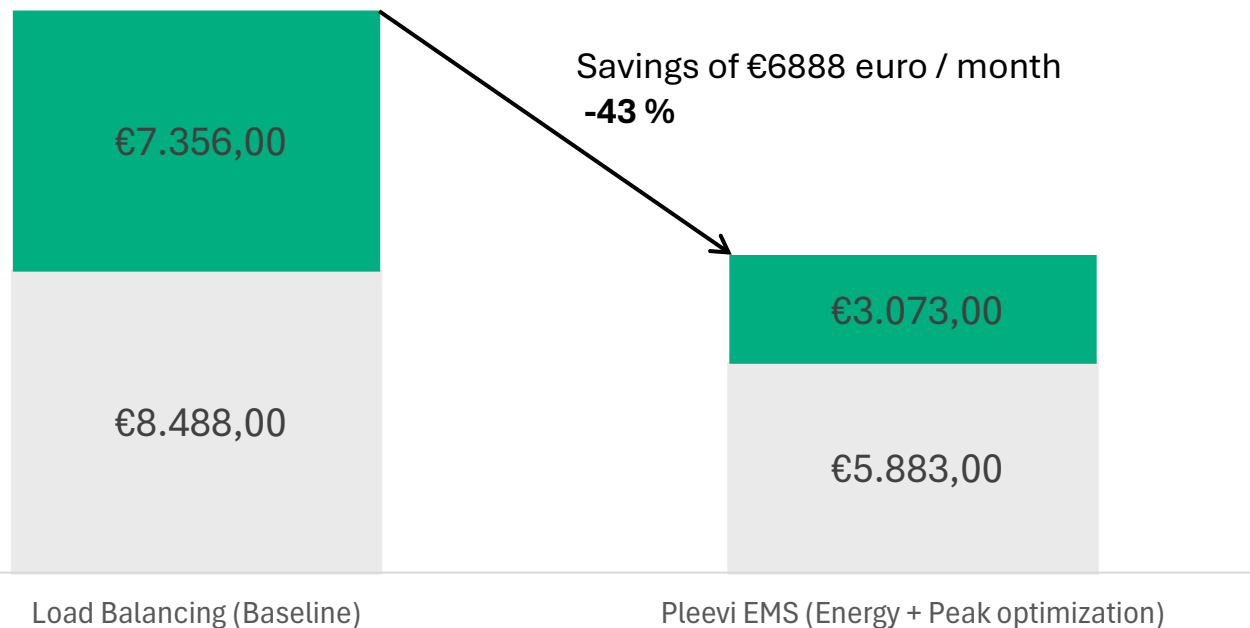
Metric	Value
Amount of Charging points	155
Total Transactions	3.095
Total Energy Charged	103,7 MWh
Avg Energy Charged	33,5 kWh
Avg Parking Duration	7,22 h

Example 1 - Results:

Workplace Charging with PV production for 1 month

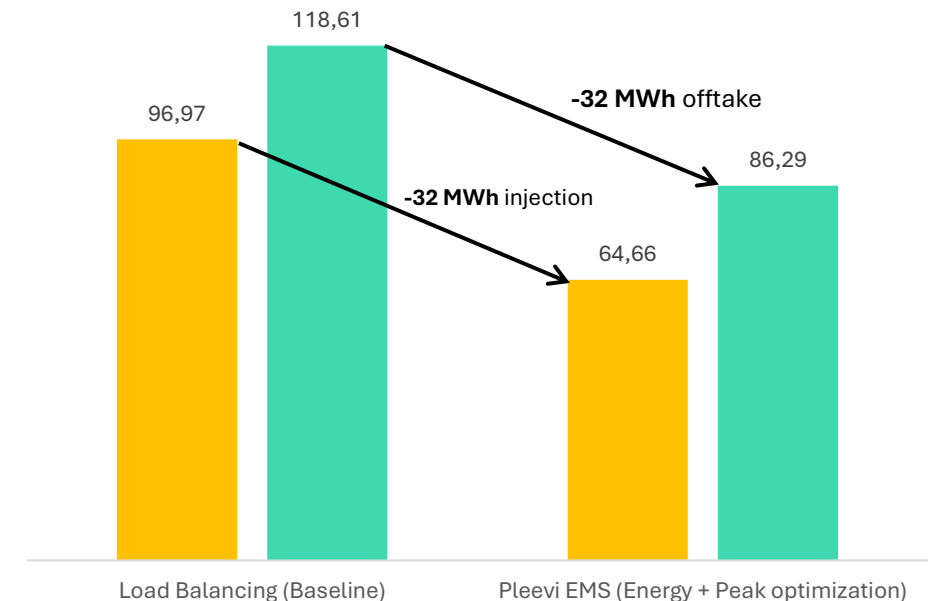
Total Energy Cost drops with 43%

■ Energy cost ■ Grid / Peak cost



Total Energy Injection in line with offtake reduction due to higher **autoconsumption**

■ Energy Injection MWh ■ Energy Offtake MWh



Example 2:

BESS Steering on public fast charging hub

Goal: Adding a Battery Energy Storage System (BESS) to reduce electricity costs of a DC charging hub (without shifting charging sessions).

Strategy: Day-ahead energy shifting + peak shaving

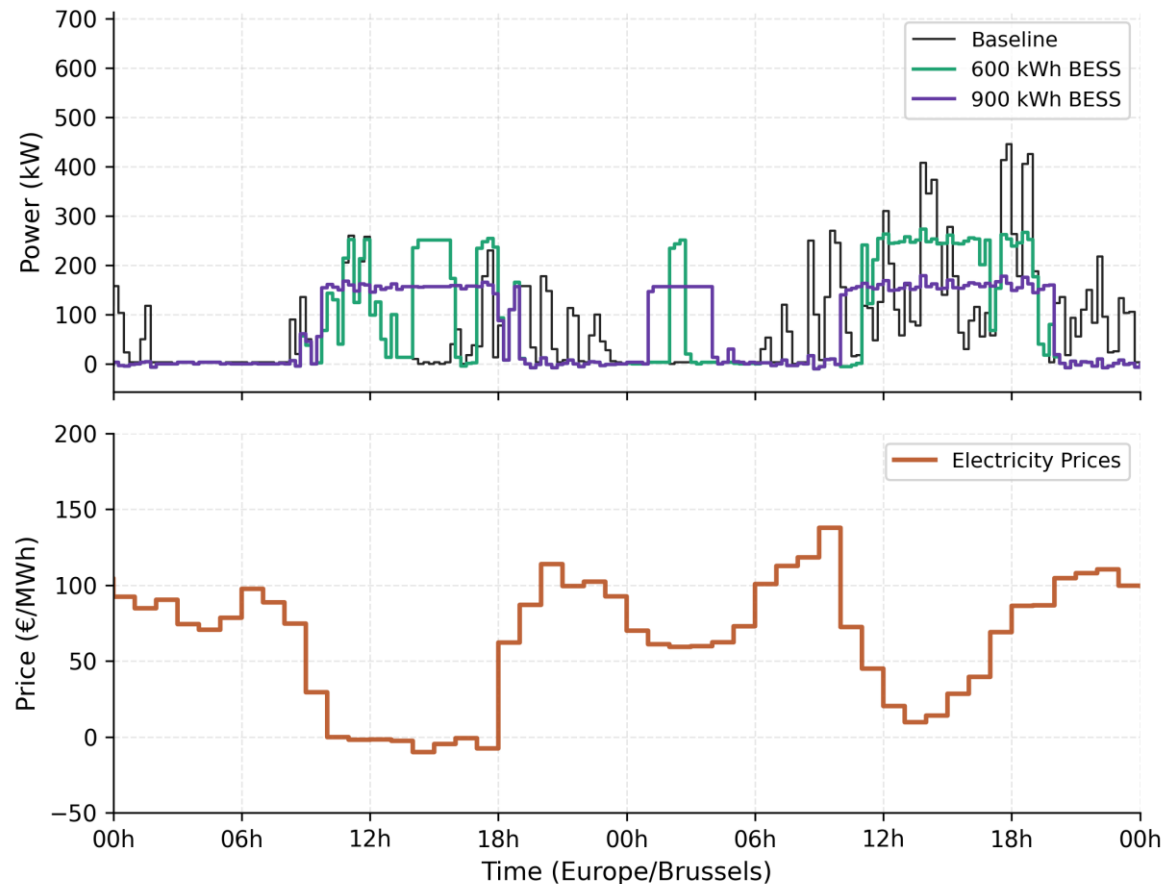
Context: 10 DC fast chargers, grid connection 1000 kVA, no PV.



Example 2 – Results:

BESS Steering on public fast charging hub

Grid Power Profile Comparison



Best ROI: 600 kWh BESS
€43k/year savings
IRR: 30.7%
Payback: 3.2 years
Peak reduced 677 → 396 kW

Best for growth: 900 kWh BESS
€50k/year savings
IRR: 23.8%
Payback: 4.1 years
Peak reduced 677 → 249 kW

WHY

WHAT

HOW

All-In-One Energy Management System

ON SITE

Pleevi Edge

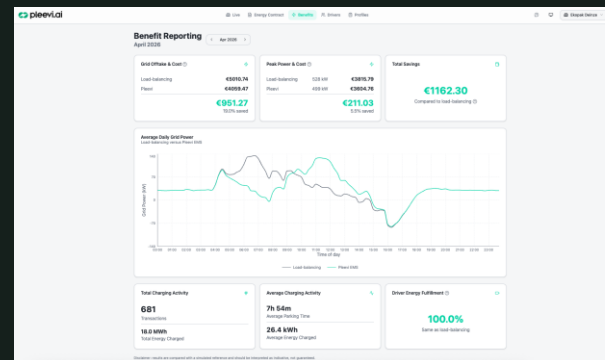
Keeps every site running, even offline, and bridges it securely to the platform.



WEB PLATFORM

Pleevi Studio

Schedules, live performance and benefit reporting. See the savings per site, per day.



FOR DRIVERS

OPTIONAL

Driver App

Badge-linked, no QR. Drivers set their target and departure time, then follow the live ETA.



Driver Interaction



Charging target

Set a desired charge level so the car is ready when needed. The system optimizes within that window.



Departure time

Indicate when the car needs to leave. Pleevi ensures the battery is charged on time at the lowest cost.



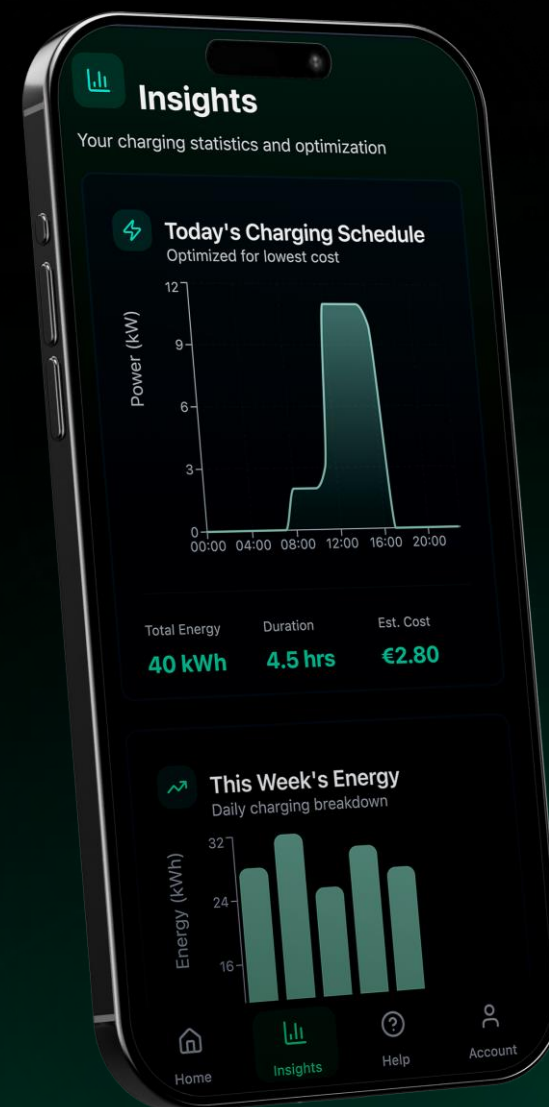
Charging insights

View daily charging breakdowns, optimization savings, and session history directly in the app.



Simple & Whitelabel

No QR scan, starts with badge. Make it your own app



Three activation levels

TIER 1 • BASE

Monitor & balance loads

Foundation layer: control, observability and grid-compliant operation.

- Charge points, EVs & on-site batteries
- Meters, telemetry & connectivity
- Static & dynamic load balancing
- Phase balancing & peak shaving
- Remote monitoring, alerts & reports

SUPPORTED ASSETS

AC

DC

BESS

PV

TIER 2 • UPGRADE

Optimize & schedule

First economically optimising layer where AI/ML meaningfully enters.

- Price-based smart charging
- Dynamic tariff optimization
- PV self-consumption optimization
- BESS charge/discharge optimization
- SoC & departure optimization
- Priority & grid-aware scheduling

SUPPORTED ASSETS

AC

DC

BESS

PV

TIER 3 • MONETIZE

Trade & profit on markets

Profit-based pricing: unlock new revenue streams via market participation.

- Imbalance trading
- Congestion management revenues
- Ancillary services (FCR / aFRR / mFRR)*
- Wholesale & capacity market bidding*

SUPPORTED ASSETS

AC

DC

BESS

PV

* Requires third-party partners

Why Pleevi is ready for V2G



01 · ASSET-AGNOSTIC OPTIMISATION

Pleevi looks for the lowest-cost point for each steerable asset

- Steers any steerable asset: charger, battery or V2G car
- **Already live for BESS:** charging and discharging today
- Discharging a car needs no separate V2G logic



02 · EXACT FLEXIBILITY

We know how much energy each car can give back

- Drivers set charge target and departure time in the app
- **Minimum SoC:** drivers set a floor we never go under
- Default profiles per user type cover every other session



RESULT

Every parked EV becomes a battery Pleevi can steer, with zero driver impact

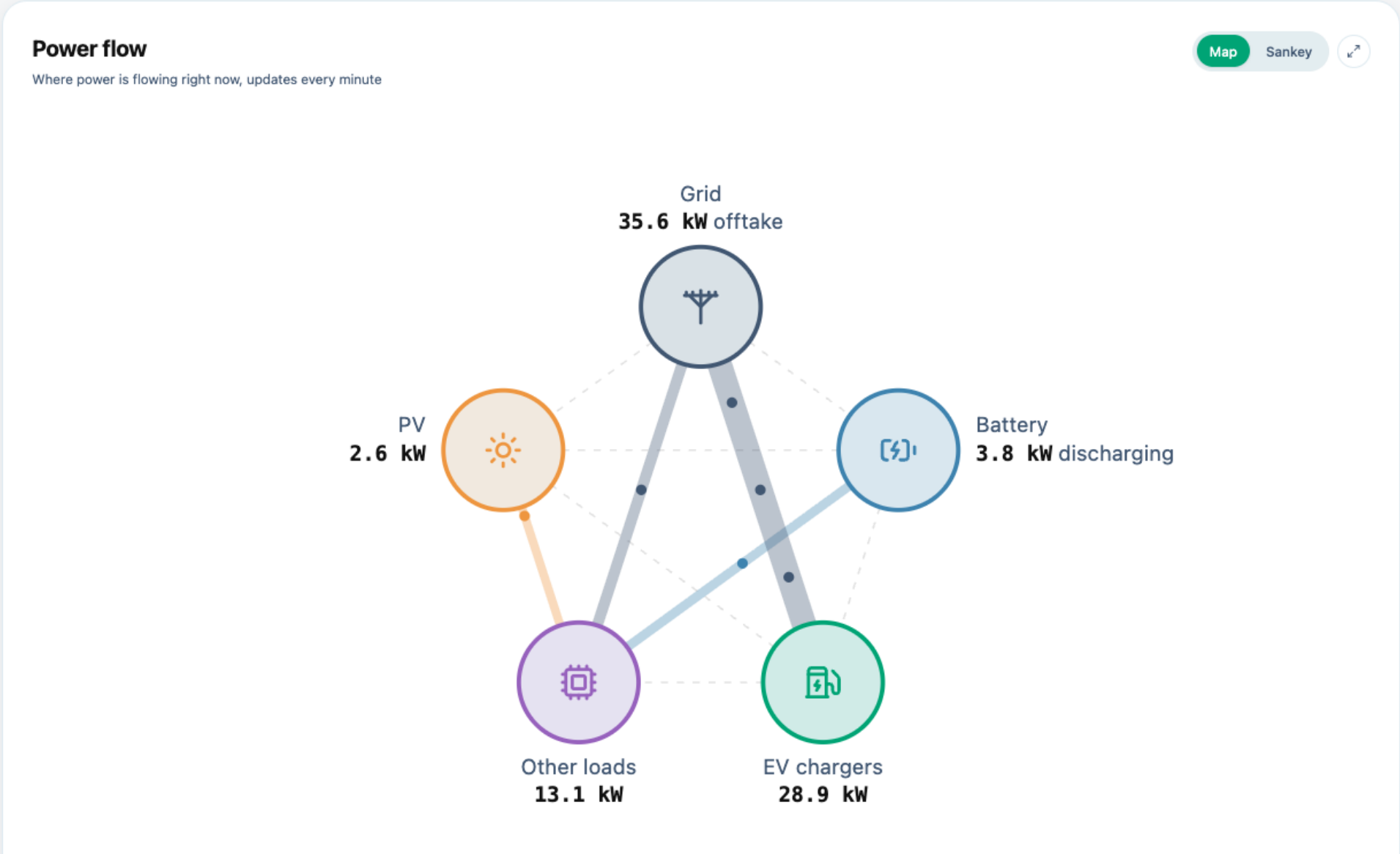
Live

Solara HQ

Power flow

Live power

Charging sessions



Insights
Solara HQ

Power Energy flow Forecasts Energy EV sessions Drivers

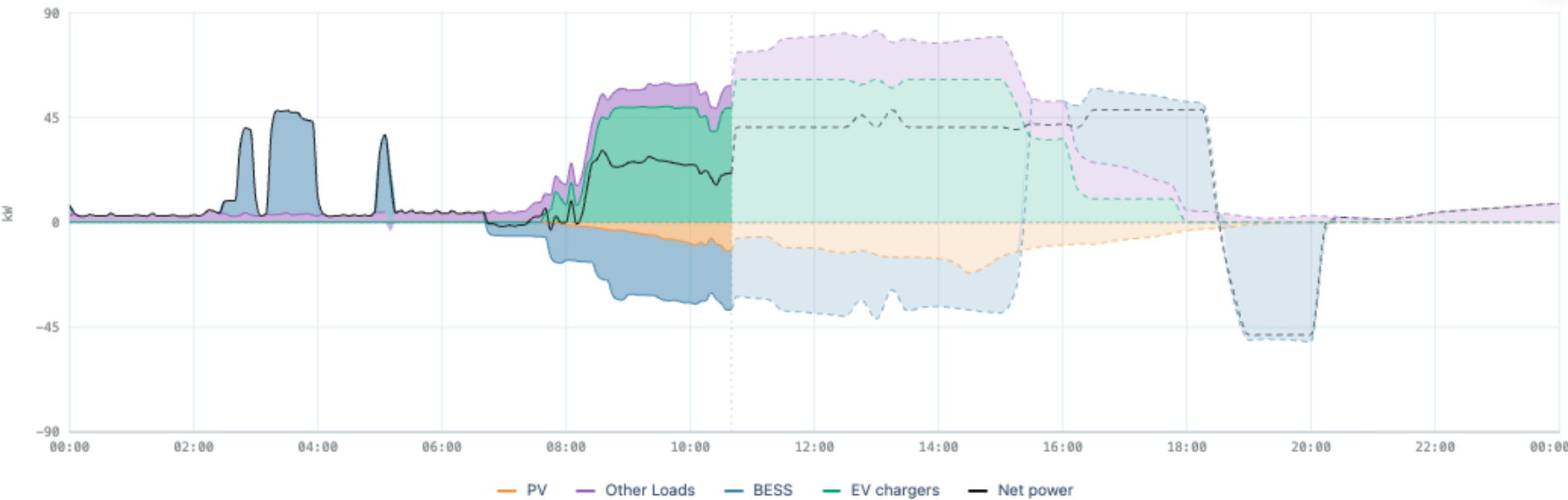
< 22 Sep 2026 > Last hour Last 4 hours Last 12 hours Today Last 7 days Last month

Power breakdown

Filters 20/20

Site overview

Overlay net power on main chart ☒



- > PV breakdown (per device) 3 devices
- > BESS breakdown (per device) 1 device
- > AC chargers breakdown (per device) 10 devices

WHY

WHAT

HOW

Site Topology

EDITING

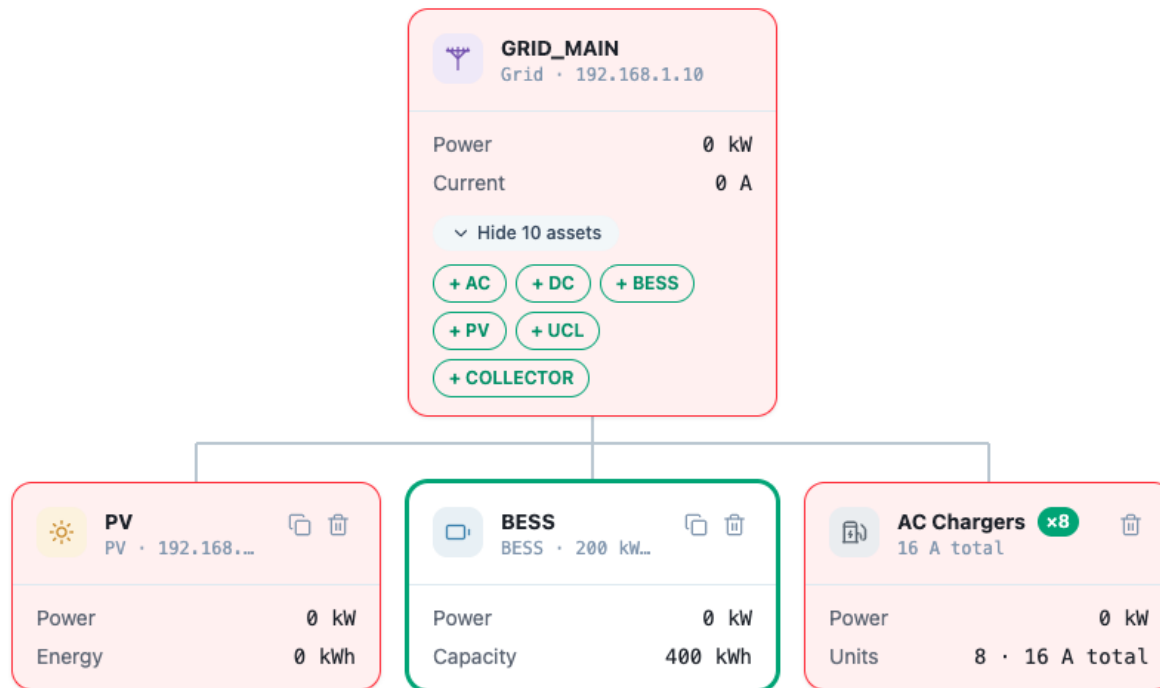
Build the site structure: select a parent, pick an asset type, set quantity

API

Edge

Cancel

✓ Save topology



Asset details

Add assets with the + buttons on grid and collector cards.



BESS

Huawei LUNA2000-2.0 C&I

Name

BESS

Max charge power

200

kW

Phase mapping ⓘ

Identity (L1-L2-L3)



Max discharge power ⓘ

50

kW

Capacity

400

kWh

Brand

Huawei



Model

LUNA2000-2.0 C&I



IP address

192.168.1.20

Benefit Reporting
May 2026

< May 2026 >

Grid Offtake & Cost

Load-balancing	€7755.21
Pleevi	€7315.92
	€439.29
	5.7% saved

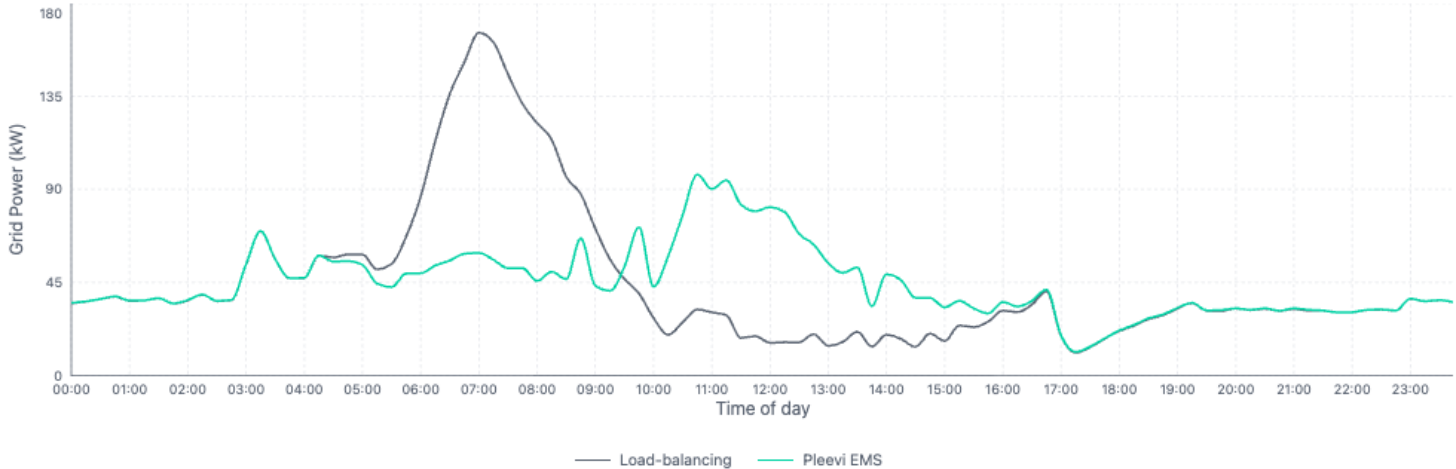
Peak Power & Cost

Load-balancing	383 kW	€2766.99
Pleevi	323 kW	€2332.09
		€434.90
		15.7% saved

Total Savings

€874.18
Compared to load-balancing

Average Daily Grid Power
Load-balancing versus Pleevi EMS



Total Charging Activity

831
Transactions
16.2 MWh
Total Energy Charged

Average Charging Activity

6h 48m
Average Parking Time
19.5 kWh
Average Energy Charged

Driver Energy Fulfillment

100.0%
Same as load-balancing

CASE

Workplace
charging

46 AC charging
points

176 kWp solar
production

Dynamic contract

Let's Connect

Ready to optimize your charging, battery and PV assets? We'd love to hear from you.

About Pleevi

AI-powered Energy Management System for EV charging, battery storage (BESS) and PV. One platform that forecasts, schedules and steers every asset on site. Spin-off of VITO/EnergyVille with 10+ years of energy optimization research.

Founders



Wout Lagae
Co-founder & CEO



Robin Vanderschueren
Co-founder & CTO

Get in Touch



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Website
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Location
Brussels, Belgium

We're hiring! Want to help build Pleevi? Send your CV to **hi@pleevi.ai**