



POWERLYS
AUTONOMOUS ENERGY MANAGEMENT PLATFORM

The decision infrastructure for European BRP dispatch.

Accelerating the energy transition — autonomous, audit-driven, hybrid renewable + battery native.

Omer Bumin
Founder

omer@powerlys.com



PROBLEM

Two structural shocks are hitting NL renewable parks — right now.

SHOCK 1

The subsidy floor disappears in 2027.

SDE++ is being replaced by **two-way Contracts for Difference** starting 2027. Excess revenue above strike price flows back to the state — producers must capture market upside themselves.

Source: pv-magazine, Oct 2025

SHOCK 2

The old playbooks just stopped working.

–53–71%

Solar curtailment value
YoY 2024

Source: Spectral, Oct 2025

–44–63%

Wind curtailment value
YoY 2024

The middle 90% of NL hybrid parks now face a revenue stack that is shrinking, more volatile, and demanding software they don't have.



SOLUTION

Powerlys gives every park what only top-decile players had.

01

Day-ahead planner

MILP P50

Solves the global optimum every morning for tomorrow's bids — across price, weather, and asset constraints.

02

Risk overlay

CVaR

Caps tail loss in volatile hours. Protects revenue when forecasts diverge from reality.

03

Telemetry & learning

Live

Measures plan-vs-actual every hour. Feeds tomorrow's solver. Smarter as the market moves.

Built like an API. Deployable as SaaS. Live stack: TenneT + Energy-Charts + Open-Meteo ingestion, XGBoost forecasting, MILP/CVaR planners. No quants. No spreadsheets. No utility lock-in.

“Rule-based curtailment is dead. Advanced models are needed.” — Spectral, 2025



TRACTION

Proven on real Dutch market data: +14.0% revenue over rule-based dispatch.

+14.0%

revenue vs rule-based

*109 days, real Dutch prices***€454K**

vs €398K rule-based

*≈ +€257K/yr, one asset***4**

asset topologies live

*solar · wind · hybrid · battery***1,400+**

commits · 500+ tests

CI green · 10 phases

VALIDATED ON

4 asset topologies: Brabant 12 MW solar, Flevoland 15 MW hybrid, Friesland 12 MW wind, Geertruidenberg 5 MW battery

Both price legs real: actual Dutch day-ahead prices + actual per-PTU TenneT imbalance settlement. Asset generation synthetic until pilot telemetry.

NEXT · Pilot conversations underway with Dutch operators · Repeatable per-park lift across solar/wind mix



MARKET

A high-growth NL market reshaped by the energy transition.

TAM

EU-wide hybrid park dispatch optimization

€30–330M/yr**SAM**

NL + DE + BE, parks 5–50 MW

€12–45M/yr**SOM**

NL + DE, Year 3

€3–5M/yr

WHY NOW

2027

SDE++ → CfDs

*pV-magazine***–50%+**

Curtailment value YoY

*Spectral***+1086%**

NL battery 2024→2030

*ESNL***12,000**

Grid queue (companies)

ETPA



BUSINESS MODEL

Hybrid pricing: low base + performance share.

Base SaaS €10–25K / operator / year Standard tier · Enterprise €50K+	Performance 15% of measured uplift Aligned: we win when they win	Onboarding €2–5K one-time Asset config, integration, baseline
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YEAR 2 UNIT ECONOMICS (per operator)

Annual revenue	Gross margin	Customer payback	Switching cost
€10–25K	~75%	<6 mo	Track record



COMPETITION

We sit in the missing slot: low-cost, park-aware, autonomous.

Category	Examples	Strength	Weakness
Utility / PPA	Vattenfall, Eneco, Octopus Kraken, Statkraft	Capital, scale, customer base	Black box, multi-year lock-in, take rate
Specialised software	enspired, Entrix, Suena, Volue, Spectral	Domain knowledge	Often single-model; weak hybrid logic
Specialised SW (forecasting)	Dexter Energy €23M Series C 2025	AI/ML forecasts (weather + price + imbalance); 80+ EU customers	Trader-side ICP, not BRP-side dispatch; single-asset retrofit on battery
In-house quants	Top-decile parks only	Custom-built	Six-figure cost — 90% priced out
POWERLYS	Built-for-park SaaS	10× cheaper, no lock-in, 3 planners A/B-tested	Just launched (execution proven)

DIFFERENTIATION CVaR tail-risk dial — operators price the worst 5%, not just the mean (rivals don't). BRP-side, not trader-side.
Four-topology incl. battery-less.

Why we win: Cost structure · **Trust** (measured uplift, transparent reporting) · **Adaptation speed** (model-driven survives market shifts)



TEAM

Founder-led team: Omer Bumin (Founder & CEO) + Mohit Misra (Co-founder & Advisor, ex-TenneT).

FOUNDER & CEO

Omer Bumin

BACKGROUND

Music + Digital Marketing
(master's); 10+ yrs self-taught software engineer

DRIVES

Product, engineering,
market thesis, fundraising

*Execution proof (2026-05-13):
10 phase weeks, 1,400+ commits, 500+ tests, CI green*

CO-FOUNDER & ADVISOR

Mohit Misra

BACKGROUND

ex-TenneT TSO Strategist; MSc Electrical Power
Engineering, TU Delft (Cum Laude); 12 yrs energy +
commercial (incl. DNV).

DRIVES

TenneT/TSO relations, technical-commercial
bridging, real-data validation partners.

*With Powerlys since May 2026;
full-time CEO at the revenue gate (~€2M net/yr)*

NEXT HIRE · Optimization / ML Engineer — the first funded role, taking on the MILP and CVaR work the founder carries today



ROADMAP

From product to platform — milestones every quarter.

Q3 2026

VALIDATE*Real-data validation*

- Pilot conversations open with NL operators
- +14.0% vs rule-based, 109 real NL days
- ENTSO-E NL + TenneT imbalance flowing
- EIC Step-1 submitted 2 Aug — result mid-Sept

Q4 2026

FOUNDATION*First pilot live*

- Shadow-mode pilot on a real NL asset
- Industry advisor onboard
- Dutch market relationships led by Mohit (ex-TenneT)
- EIC Step-2 if Step-1 advances

Q1–Q2 2027

GROWTH*~€200K ARR*

- 8–10 NL operators
- EIC first cash ~mid-2027 (€2.5M, non-dilutive)
- First 2 hires (eng + sales)
- SDE++ → CfD: upgrade demand surges

H2 2027

EXPANSION*~€400–500K ARR*

- ~13 operators (10 NL + 3 DE)
- DE pilot live
- ENTSO-E DE_LU integration
- Series A readiness

DISCIPLINE Every quarter ships measurable revenue or measurable validation — not vanity metrics.



SHADOW-MODE PILOT

Zero-risk validation on a live asset — we never touch your dispatch.

RISK TO YOU

ZERO

Shadow mode · read-only

WHAT WE NEED

One asset

Historical data · live prices

WHAT YOU GET

A REPORT

Your own data, measured

THE QUESTION

- Which region, and which operator, should we show this on?
- Shadow mode runs alongside the current setup — nothing in production changes.

The report is theirs whether or not anything follows. Exit-clean.

Not asking for a decision today. The system is live and the numbers are measured — the useful next step is showing it on a real asset.