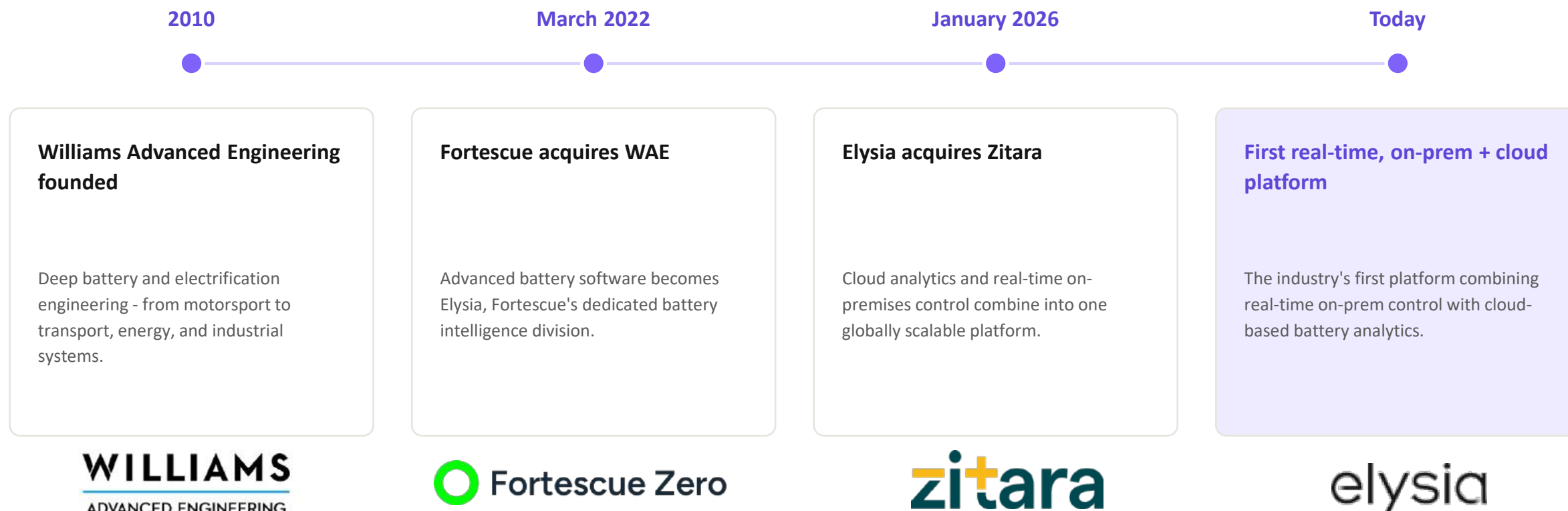


Managing More GWh with Less Effort

Better Signals, Faster Diagnosis, and AI-Guided Actions

BAMS Australia 2026 - Shyam Srinivasan, Elysia

Built by Fortescue. 15+ years of battery expertise behind one growing platform.



The same conviction that built Fortescue's global resources business is now applied to battery intelligence.

1 GWh operational across Fortescue · 3.5 GWh in construction & development · 11+ GWh under Elysia management

Challenges every BESS faces

INTENT



Every cell, string and PCS is in sync. Forces multiply.

REALITY



Cells, strings and PCS's counteract each other. Output shrinks.

01

Unexplained
Availability Shortfalls

02

Maintenance & Service
Gaps

03

Inaccurate Market
Operations Telemetry

04

Unexpected Power
Derating

05

Safety Risk

And it compounds: LTSA and warranty terms are structured around the supplier's bottom line, so the asset owner carries the loss.

COMBINED CYCLE GAS PLANT

Well established. Clear. Disciplined.



BESS SITE

Many parts. Many paths. Constant decisionmaking.

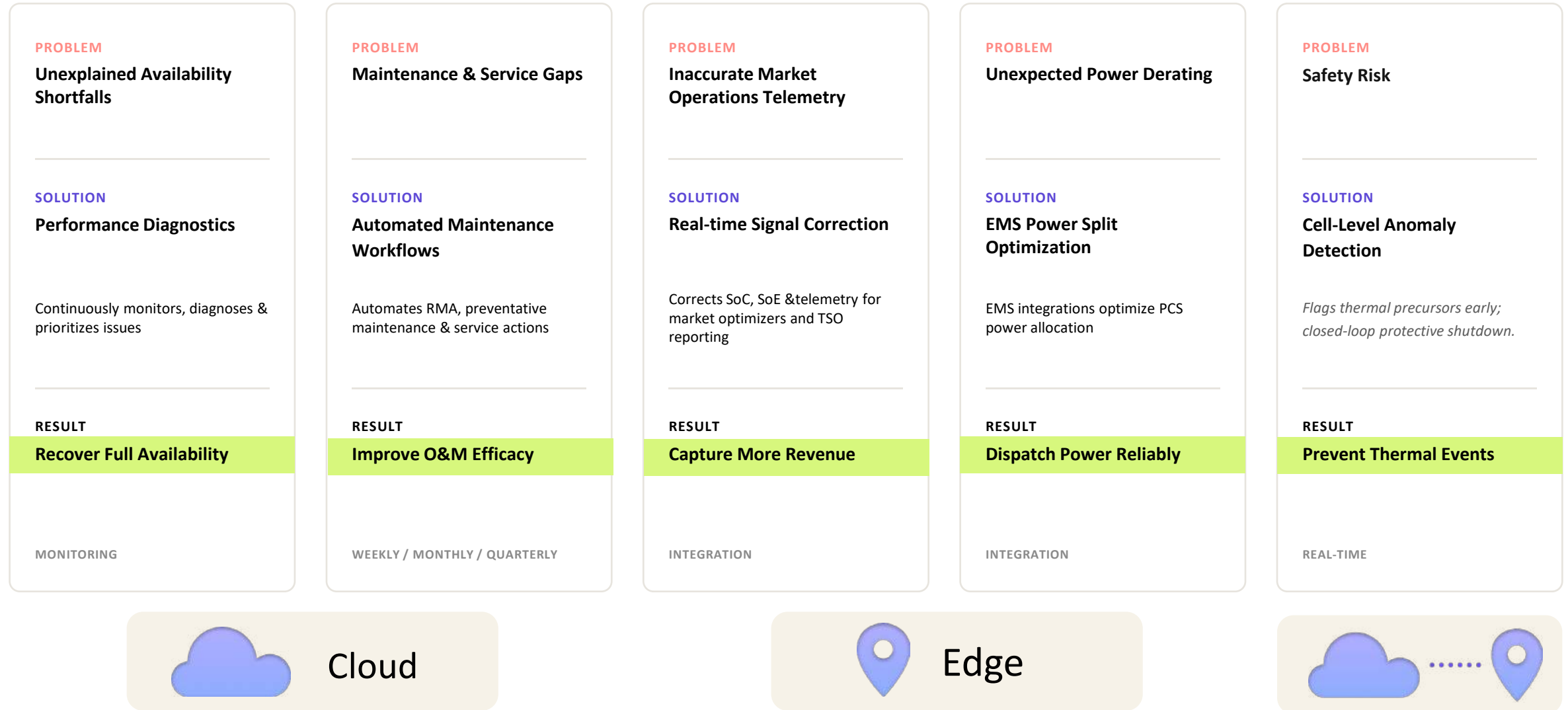


BESS Copilot is here to help.

Performance engineering software that works as an extension of your team, in the cloud and on site.



End-to-end workflows turn underperformance into measurable operating gains.



CASE STUDY

Insight-to-Site In Action - Root Cause and Resolution

- 01 **Diagnose:** 10% oversized but still incurring LDs on 4 hour PPA
- 02 **Resolve:** Poorly allocated dispatch leads to unexpected power derating

10% oversized but still incurring LDs on 4 hour PPA

250MW / 1000MWh

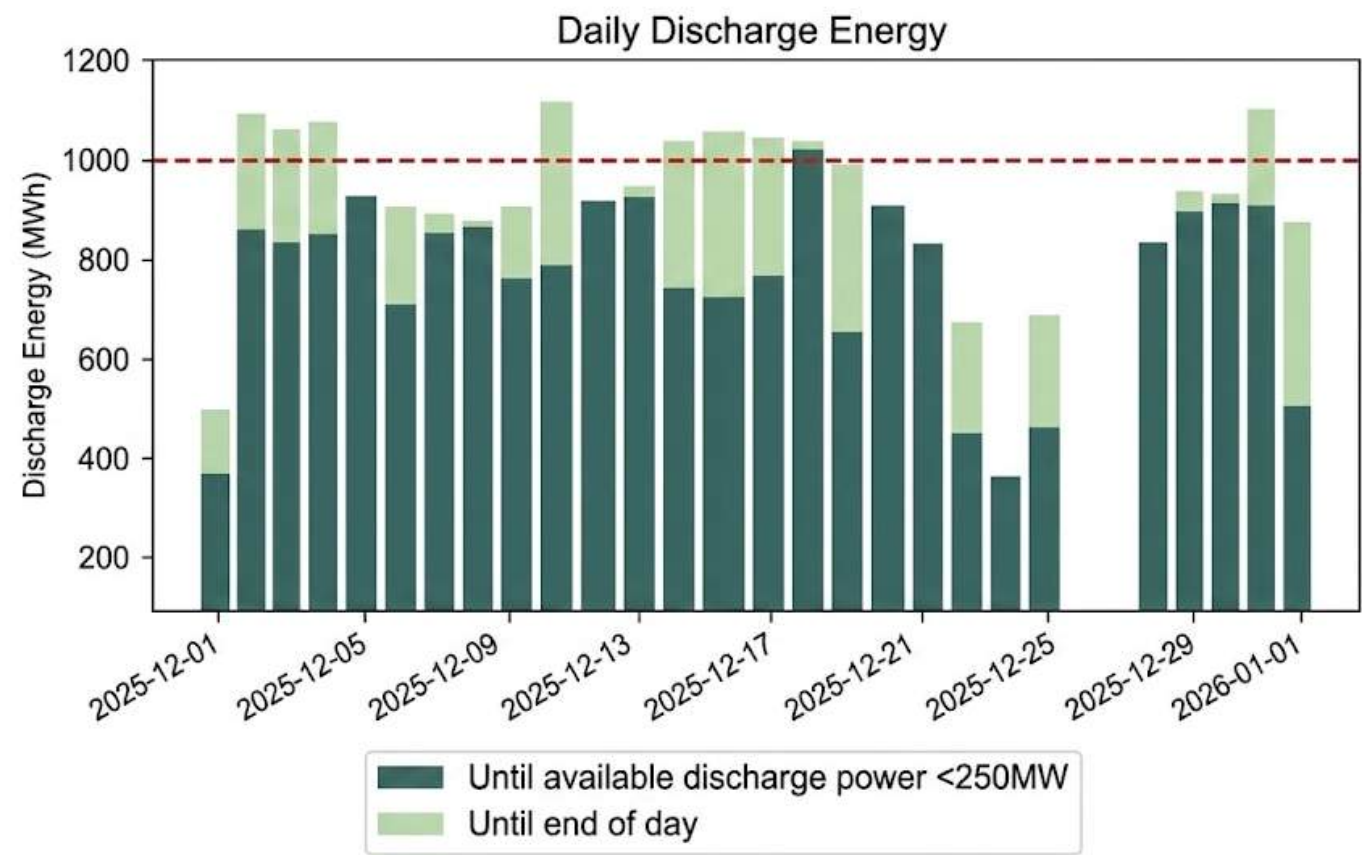
4-HOUR NAMEPLATE

275MW / 1100MWh

10% OVERSIZED

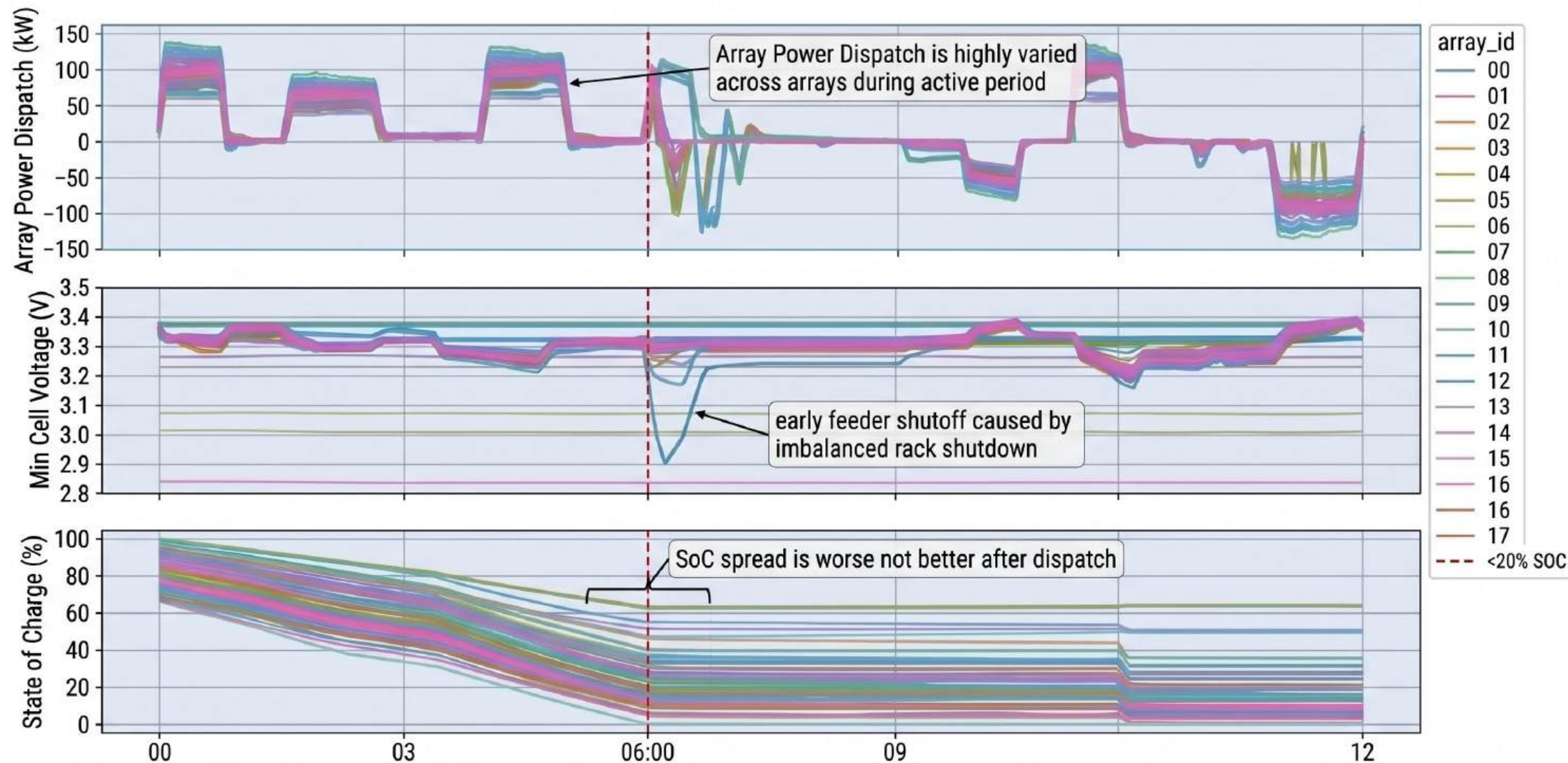
Near-Daily

RISK OF LIQUIDATED DAMAGE



Inspired by real fleet data, site identity withheld.

Under-performance driven by poor AC-block Power Splitting





Cloud

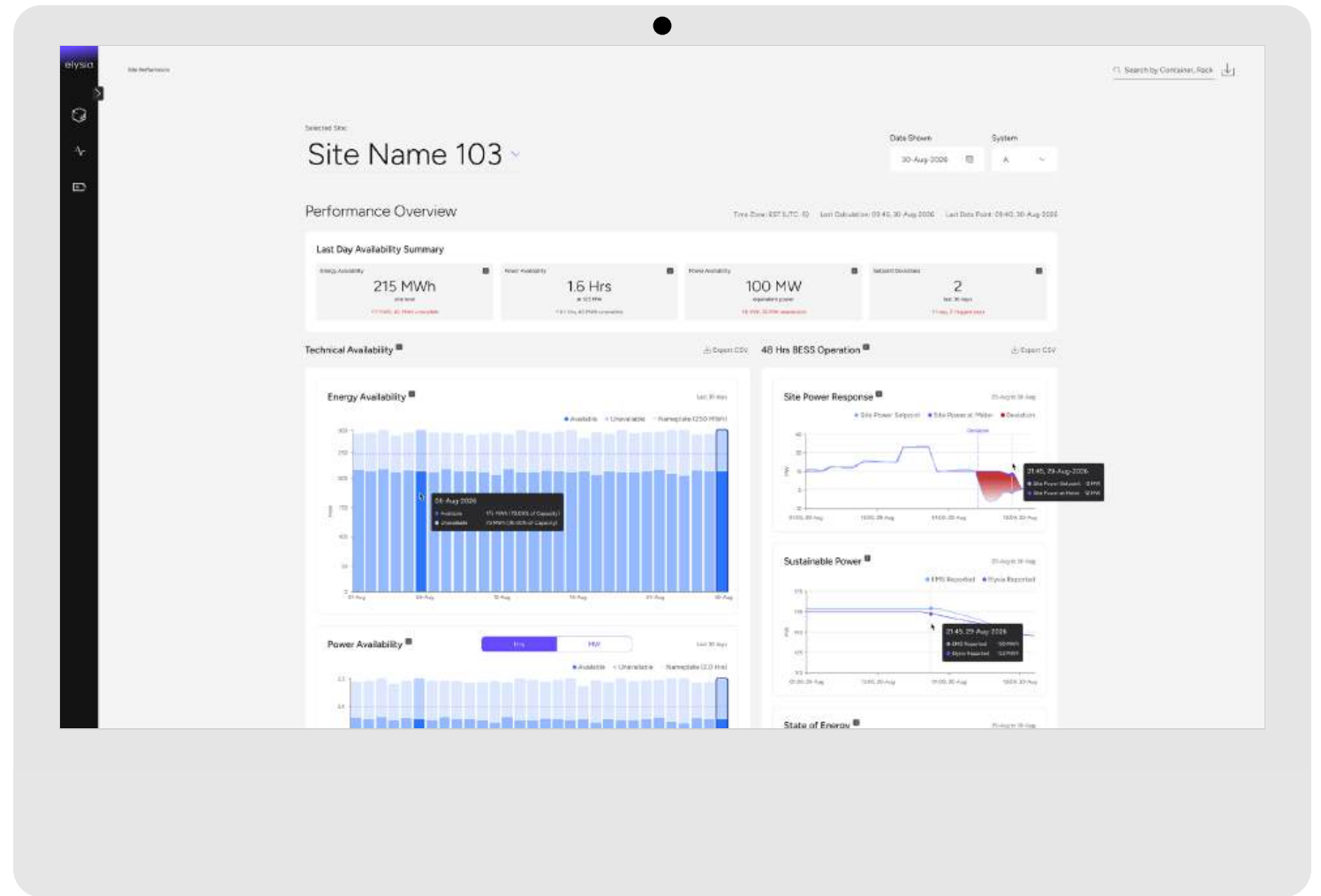
Know what the asset can deliver before the day starts.

ENTERPRISE WORKFLOW INTEGRATIONS

- See the operating capability immediately.
- Give Asset Management a data base view on true performance before dispatch and stakeholder reviews.
- Escalate only the events and incidents that matter.

OUTCOME

Protect revenue certainty with an earlier, clearer operating decision.





Cloud

Find where unavailable energy is accumulating.

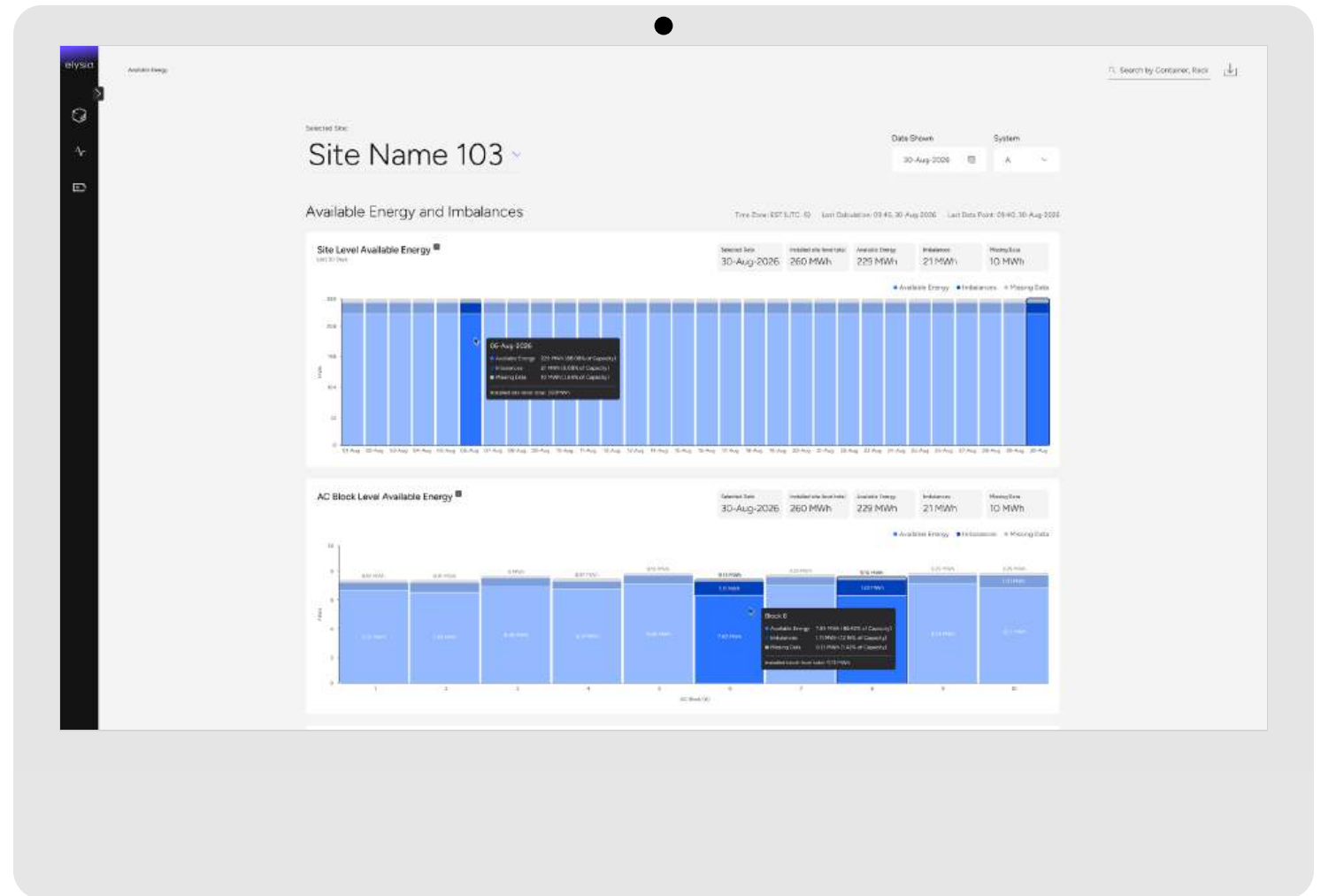
ENTERPRISE WORKFLOW INTEGRATIONS

- See whether the issue is growing or stable.
- Keep recoverable loss distinct from irreversible ageing.
- Give OEM, O&M or internal teams a precise starting point.

OUTCOMES

Shorten the time between finding a problem and getting the right party to act correctly.

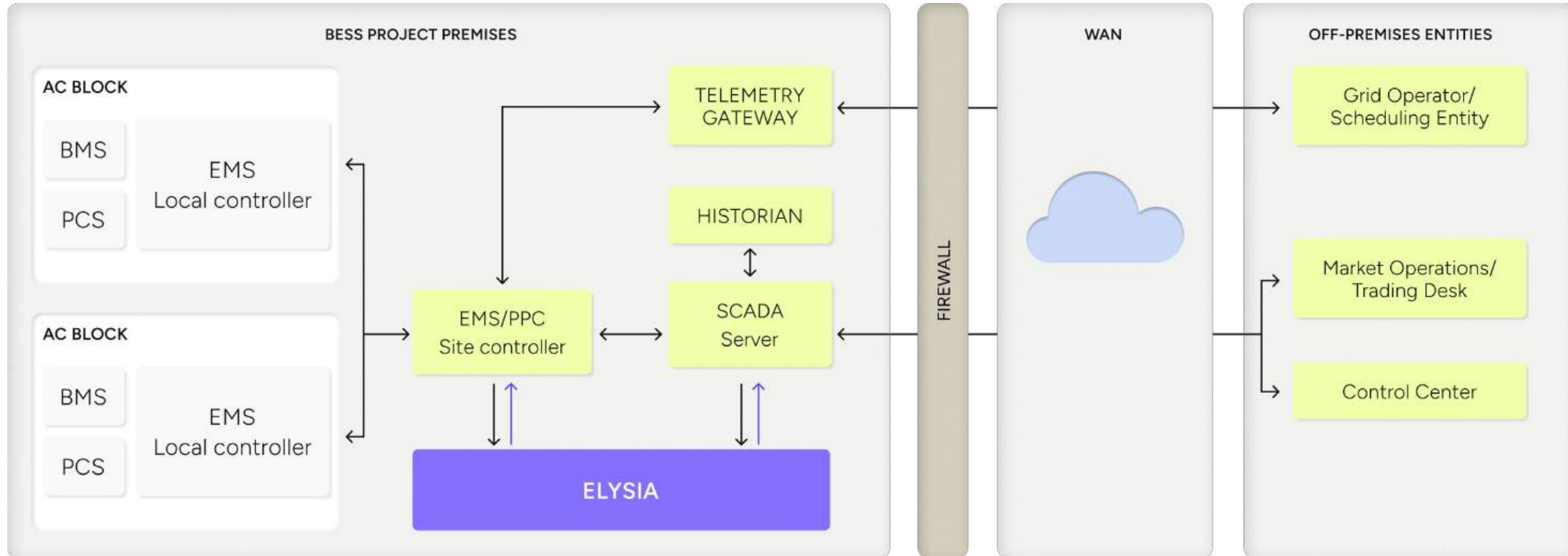
Avoid unnecessary augmentation.





Edge

What can BESS Copilot Edge do to resolve the issue?



What is expected on Day 1

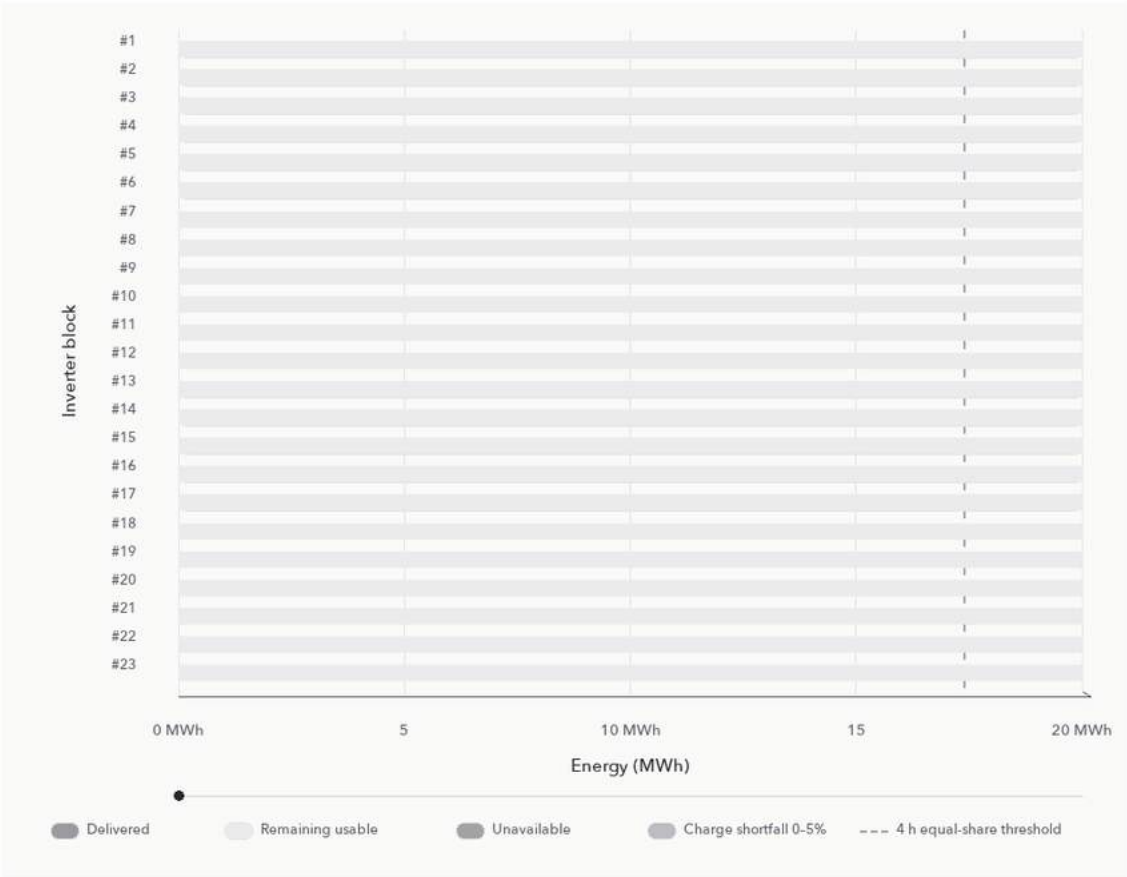
No-loss reference: all 23 inverters begin at 20 MWh and sustain 100 MW for the full 4.6 hours.

SITE NAMEPLATE
100 MW / 400 MWh

INSTALLED
115 MW / 460 MWh

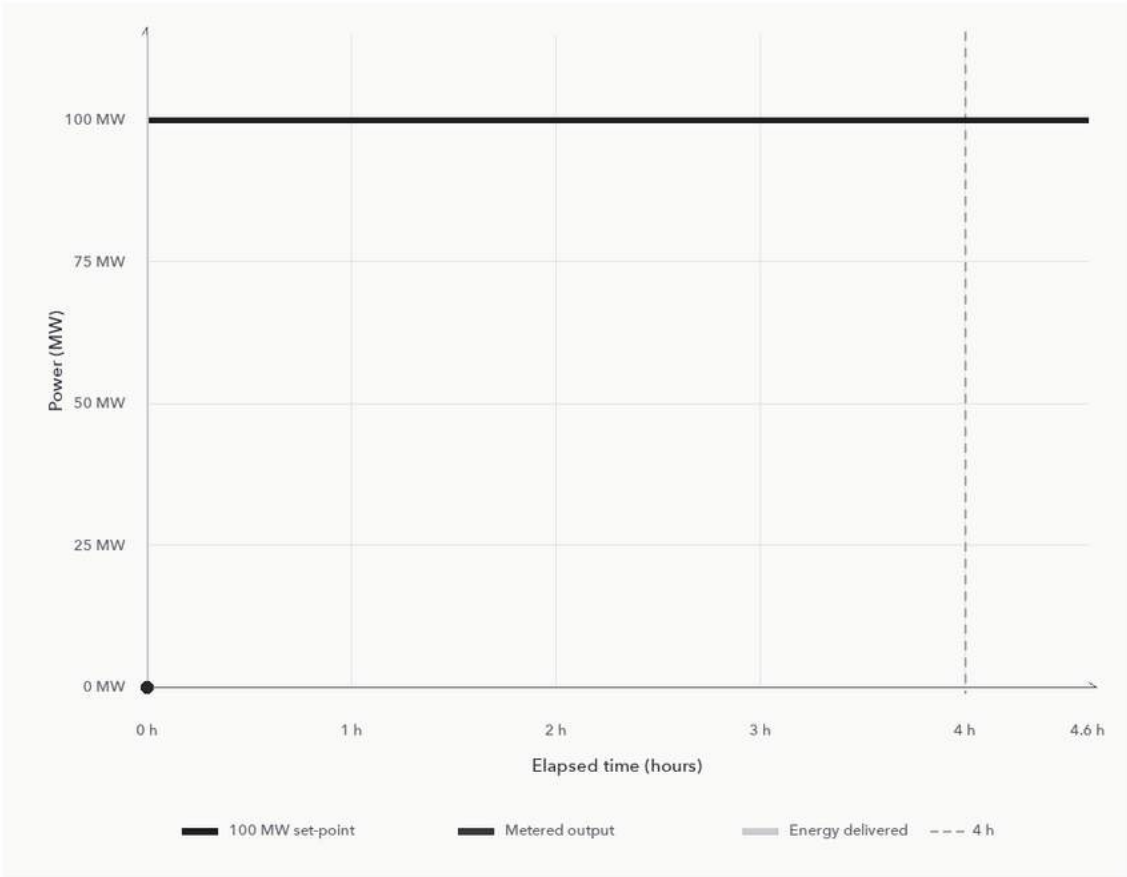
Inverter energy

All 23 blocks have equal usable energy



Site set-point and metered output

Equal 4.348 MW commands maintain the site set-point



What really happens with naïve dispatch

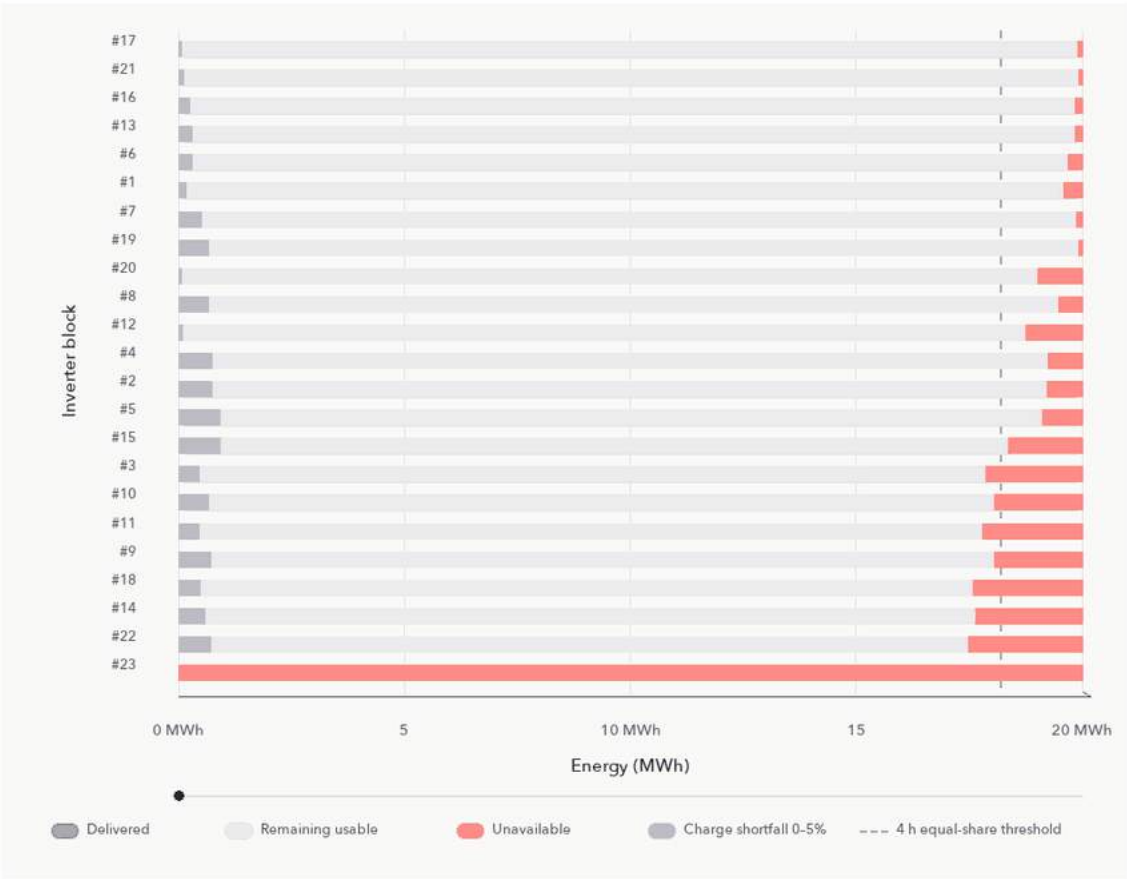
Naïve equal dispatch: 100 MW across 22 online inverters, with weaker blocks depleting first.

SITE NAMEPLATE
100 MW / 400 MWh

INSTALLED
115 MW / 460 MWh

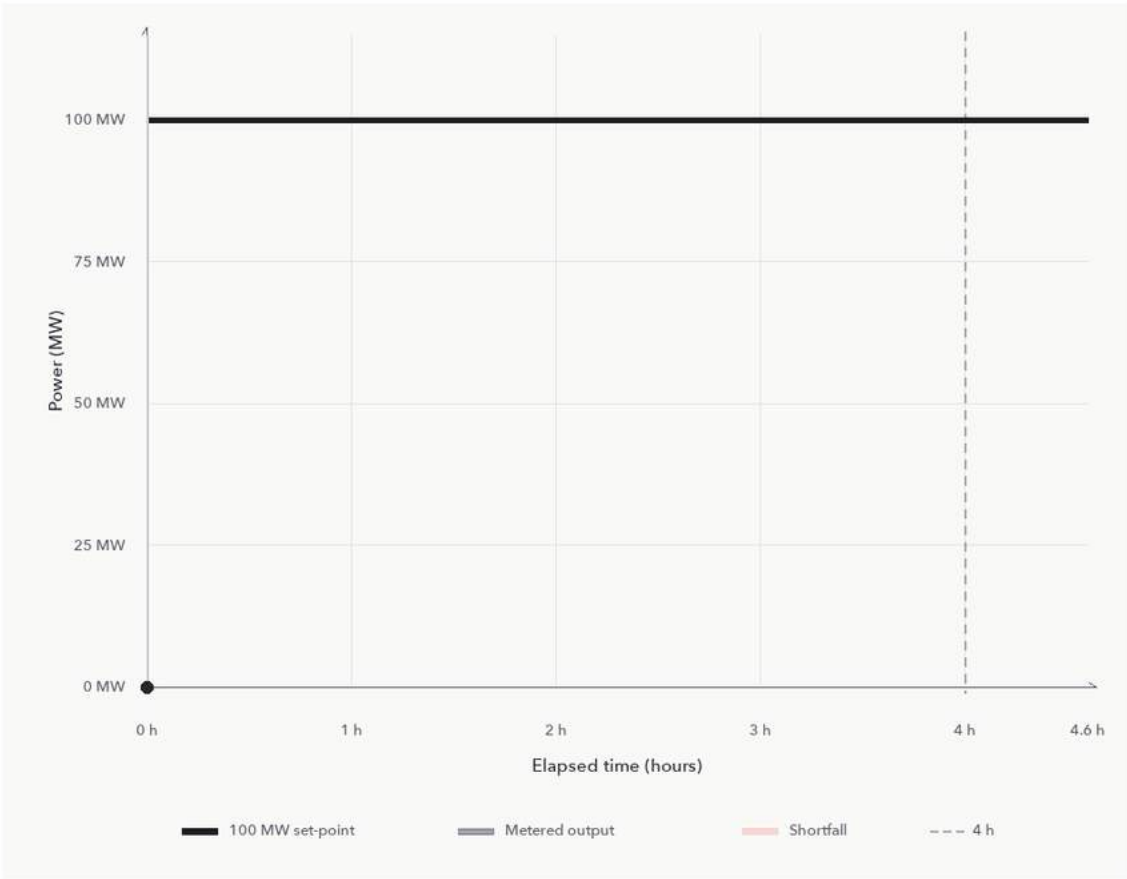
Inverter energy

Sorted highest to lowest usable energy



Site set-point and metered output

Equal 4.545 MW commands across all online inverters



Elysia EMS Power Split Optimization In Action

Fixed proportional commands restore 100 MW and keep every online inverter aligned through depletion.

SITE NAMEPLATE

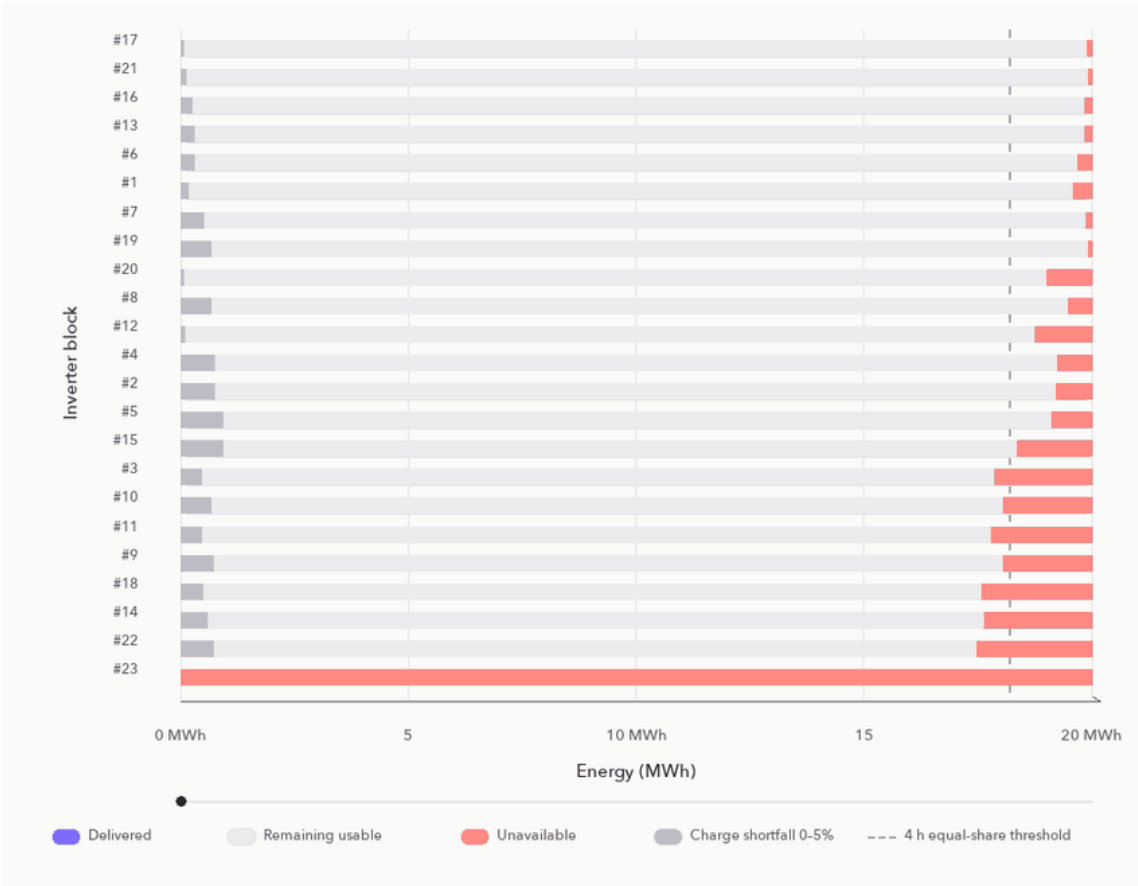
100 MW / 400 MWh

INSTALLED

115 MW / 460 MWh

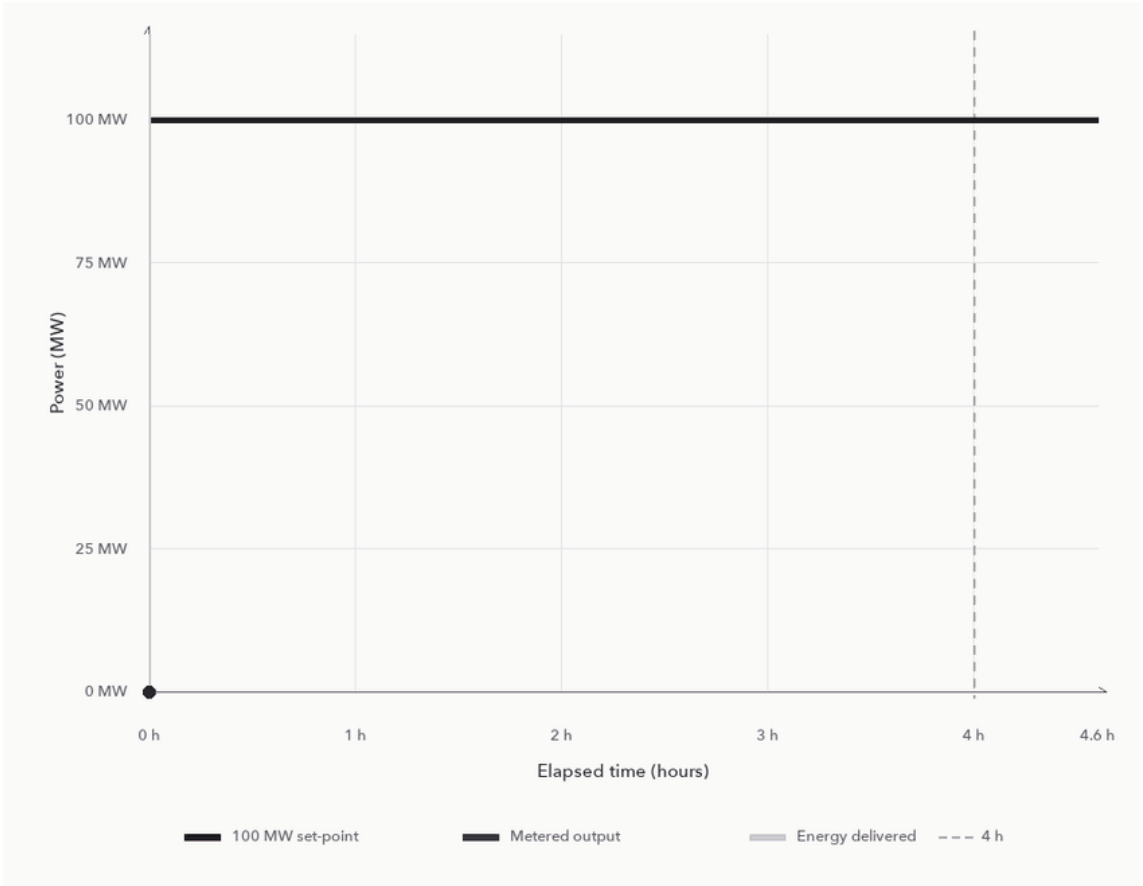
Inverter energy

Sorted highest to lowest usable energy



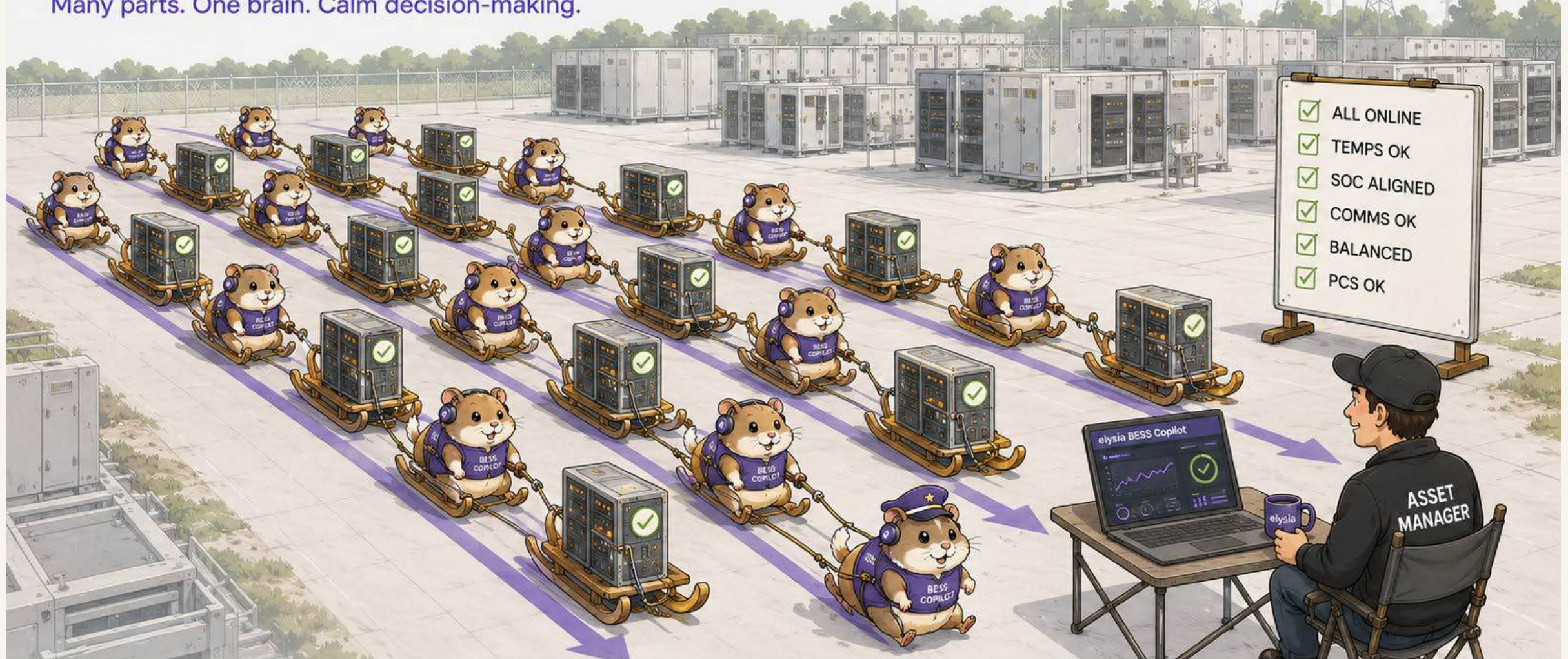
Site set-point and metered output

The offline inverter receives 0 MW; all online blocks deplete together



BESS SITE — WITH BESS COPILOT

Many parts. One brain. Calm decision-making.



Predictable
Behaviour



Instant
Diagnosis



Recovered
Losses



Quiet
Alarms



Time
Back

Managing more GWh with less effort.

Better signals

True, power-sensitive SoE & SoP — on-prem, real time, straight into EMS and market telemetry.

≈7% more capacity in market

Faster diagnosis

A morning view you can trust — root cause from site to rack in minutes.

Hours back, every week

AI-guided actions

Equalisation and Max Power Restoration turn insight into setpoints.

Full POI Power — No PPA LDs



Built by Fortescue. Hardened in the Outback. Proven across 11+ GWh under management.

Come find us at BAMS · hello@elysia.co · elysia.co