

BATTERY ASSET MANAGEMENT CONFERENCE

Optimising Asset Value with BESS Predictive Analytics

25 AUGUST, 2025

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AUSTRALIAN MARKET SIZE

How big will the Australian BESS market be by 2028?

GWh



GWh



AUSTRALIAN MARKET SIZE

Scale of growth is massive.

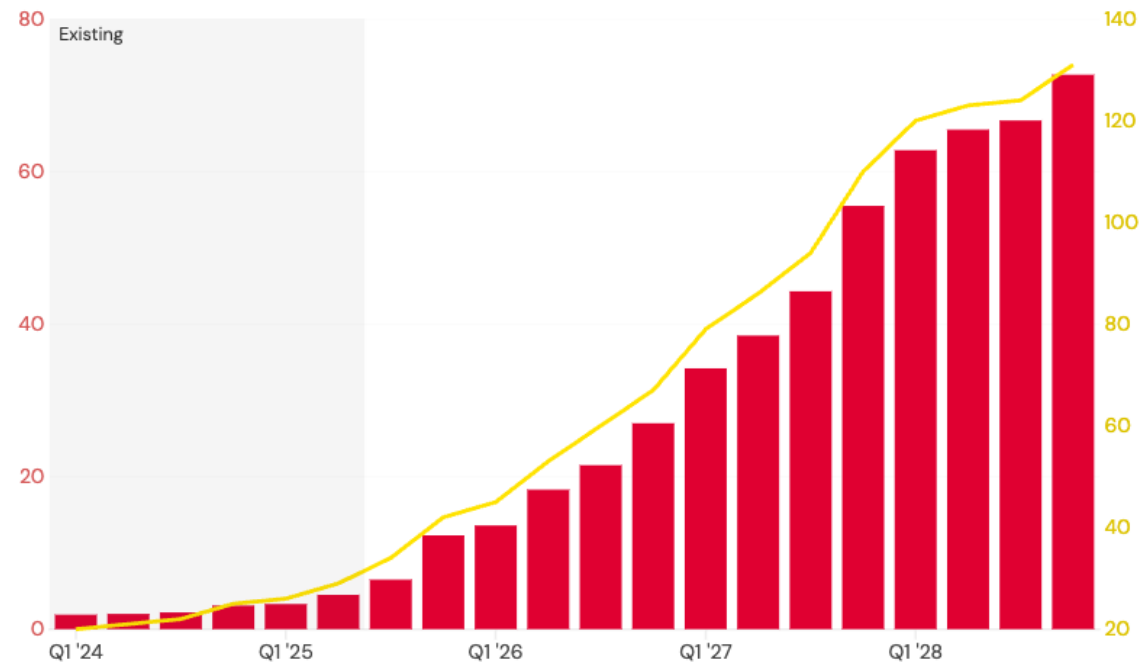
2028
>70GWh

2024
<10GWh



Operational and battery energy storage capacity (GWh, left) and number of projects (right)

■ Projects ■ Energy capacity (GWh)



Source: AEMO, Modo Energy • Download data

Notes: Cumulative battery energy storage capacity in the NEM by quarter. Future values are based on the total pipeline and a derated projection.

MODOENERGY

AUSTRALIAN MARKET SIZE

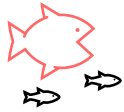
Optimising BESS already has hurdles → rate of growth increases risks.



**CHANGING
LANDSCAPE**



**DELAYS ARE
EXPENSIVE**



**SINGLE OEM-
DEPENDENCE**



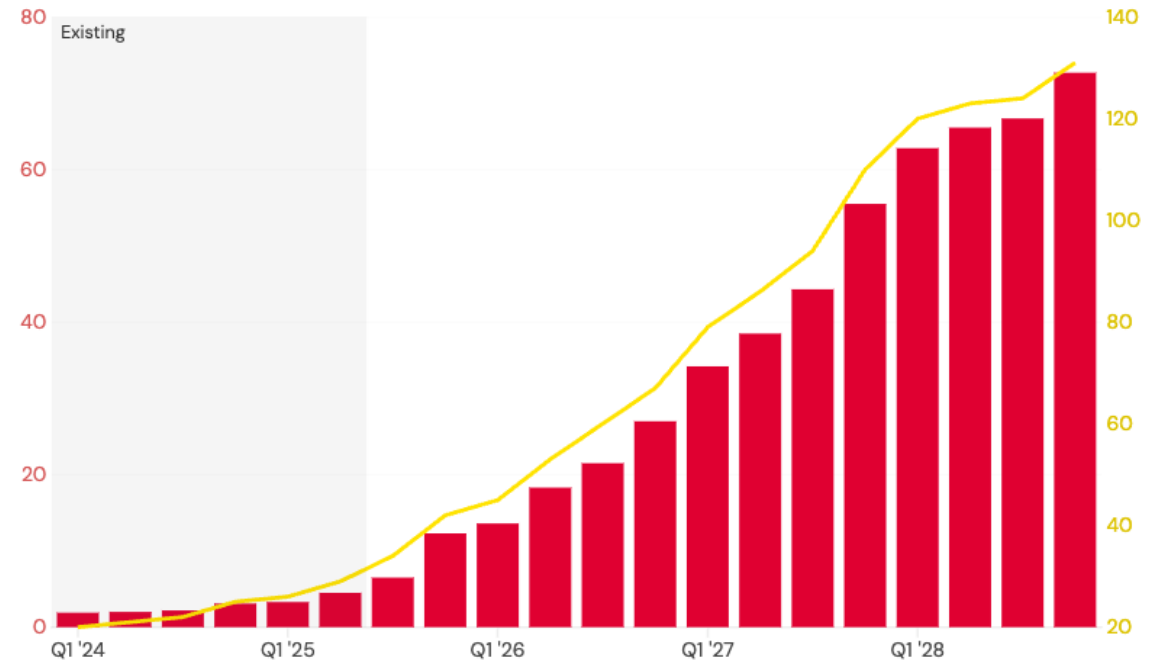
**REVENUE
RISKS**



**RESOURCE
CONSTRAINTS**

Operational and battery energy storage capacity (GWh, left) and number of projects (right)

■ Projects ■ Energy capacity (GWh)



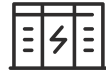
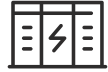
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MODOENERGY

BESS BUSINESS PAIN POINTS FROM OUR MARKET ENGAGEMENT

BESS lifetime optimisation can vary with experience.



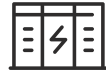
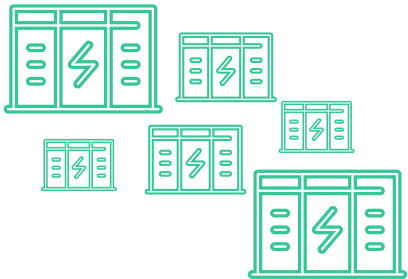
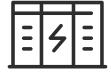
Engineering services: vendor selection, commissioning, augmentation,



Contracting: LTSA structure, data ownership, warranties

BESS BUSINESS PAIN POINTS FROM OUR MARKET ENGAGEMENT

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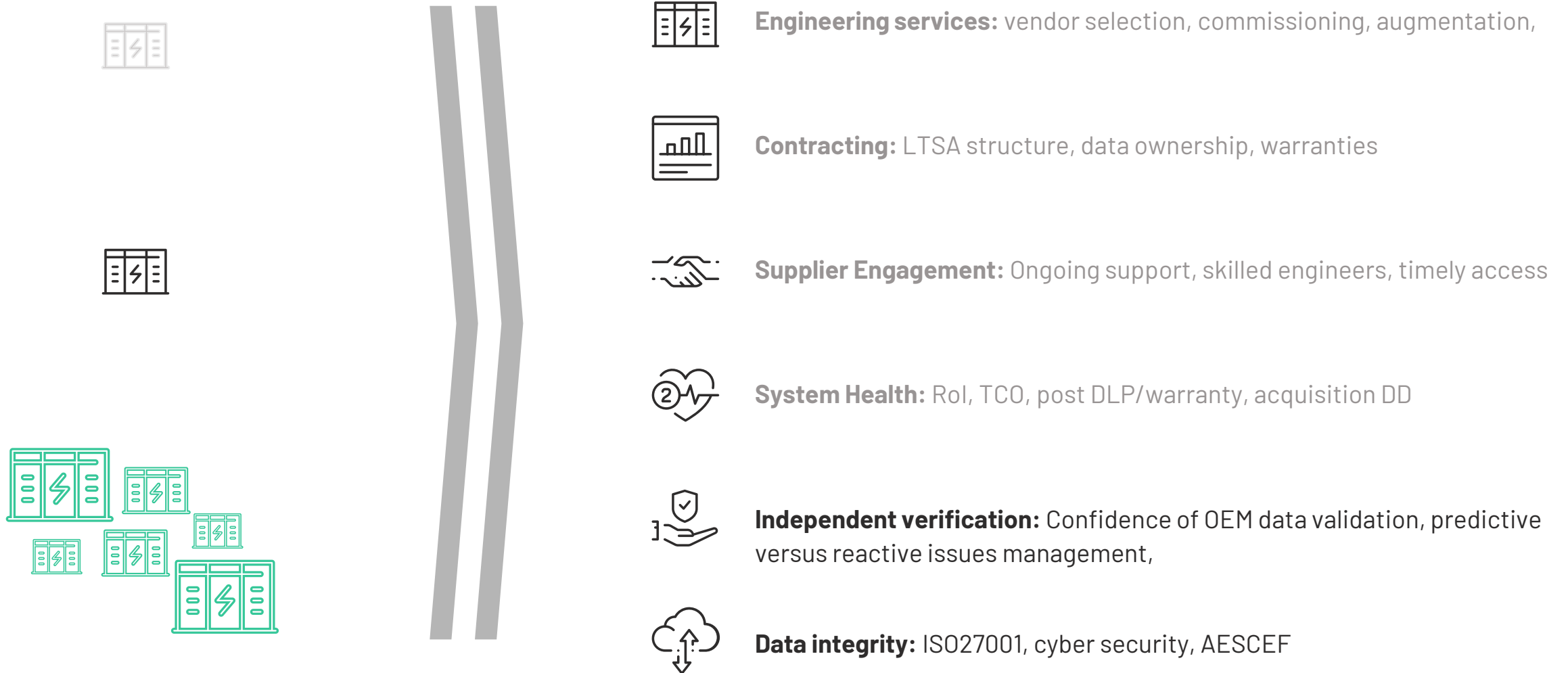
Supplier Engagement: Ongoing support, skilled engineers, timely access



System Health: RoI, TCO, post DLP/warranty, acquisition DD

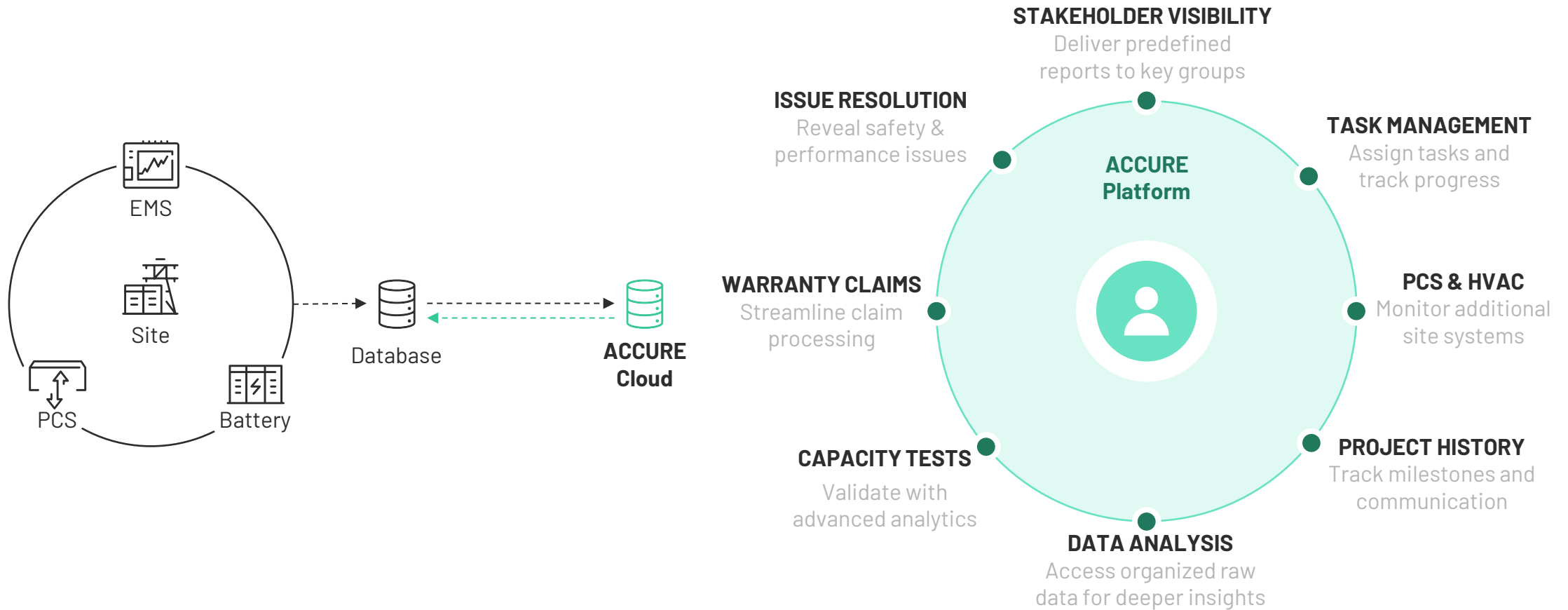
BESS BUSINESS PAIN POINTS FROM OUR MARKET ENGAGEMENT

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ACCURE INTEGRATES DATA-INFORMED INTELLIGENCE INTO YOUR PROCESSES

Data intelligence starts from contracting through to End of Life

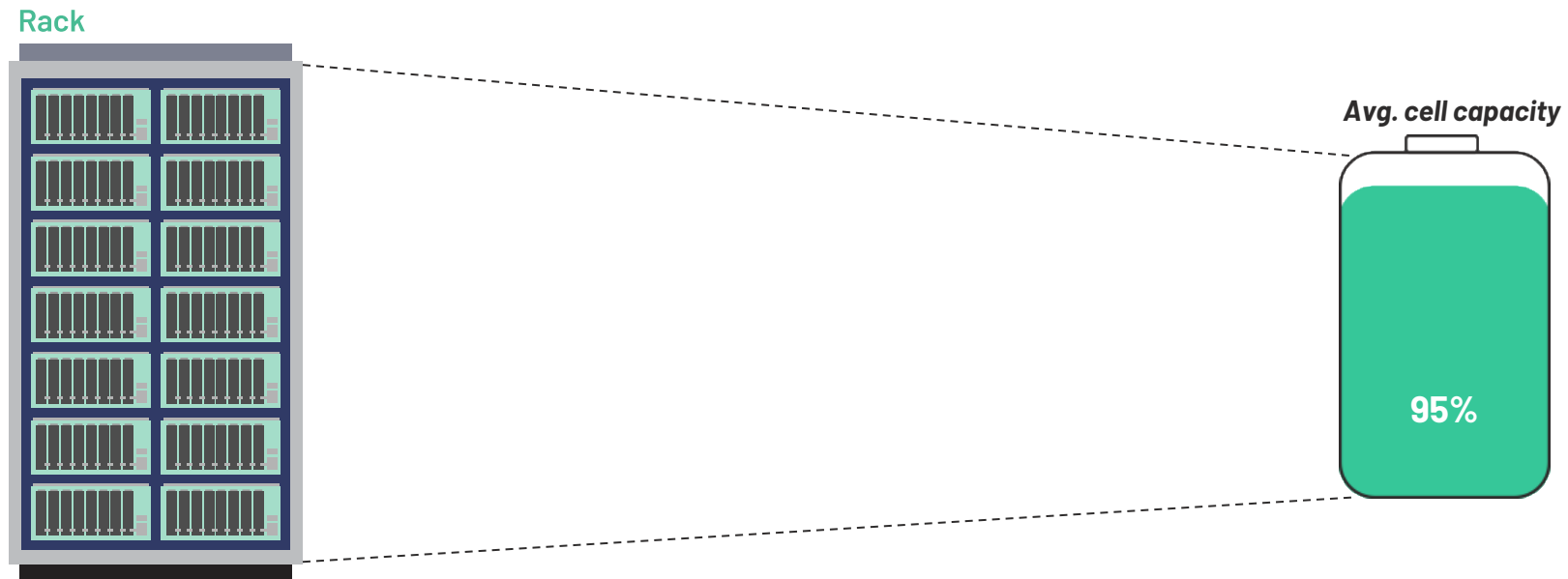


How can we overcome BMS/EMS shortcomings?

SAFETY ANALYTICS

Capacity anomaly detection reveals faulty cell with thermal runaway risk.

BESS EMS reports *safe operating conditions*

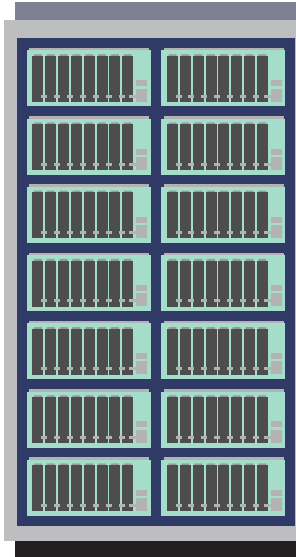


SAFETY ANALYTICS

Capacity anomaly detection reveals faulty cell with thermal runaway risk.

BESS EMS reports *safe operating conditions*

Rack

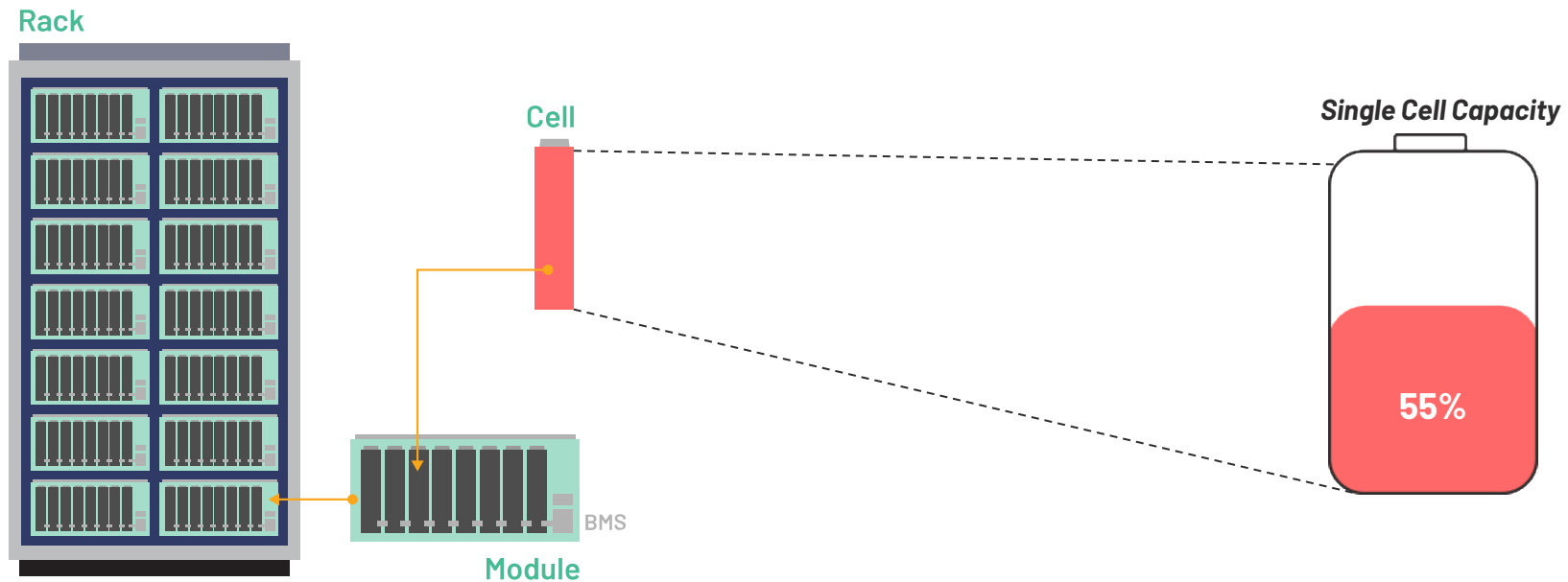


EMS estimates **SOH > 94%** and
does **not detect any anomalies**

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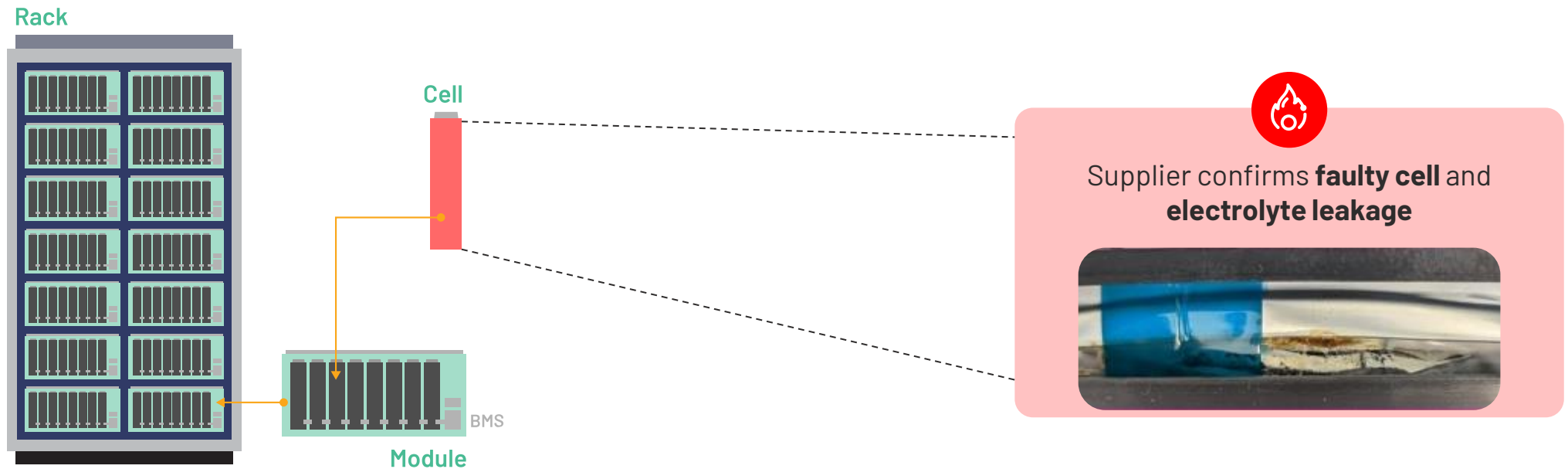
Battery analytics reveals *faulty cell*



SAFETY ANALYTICS

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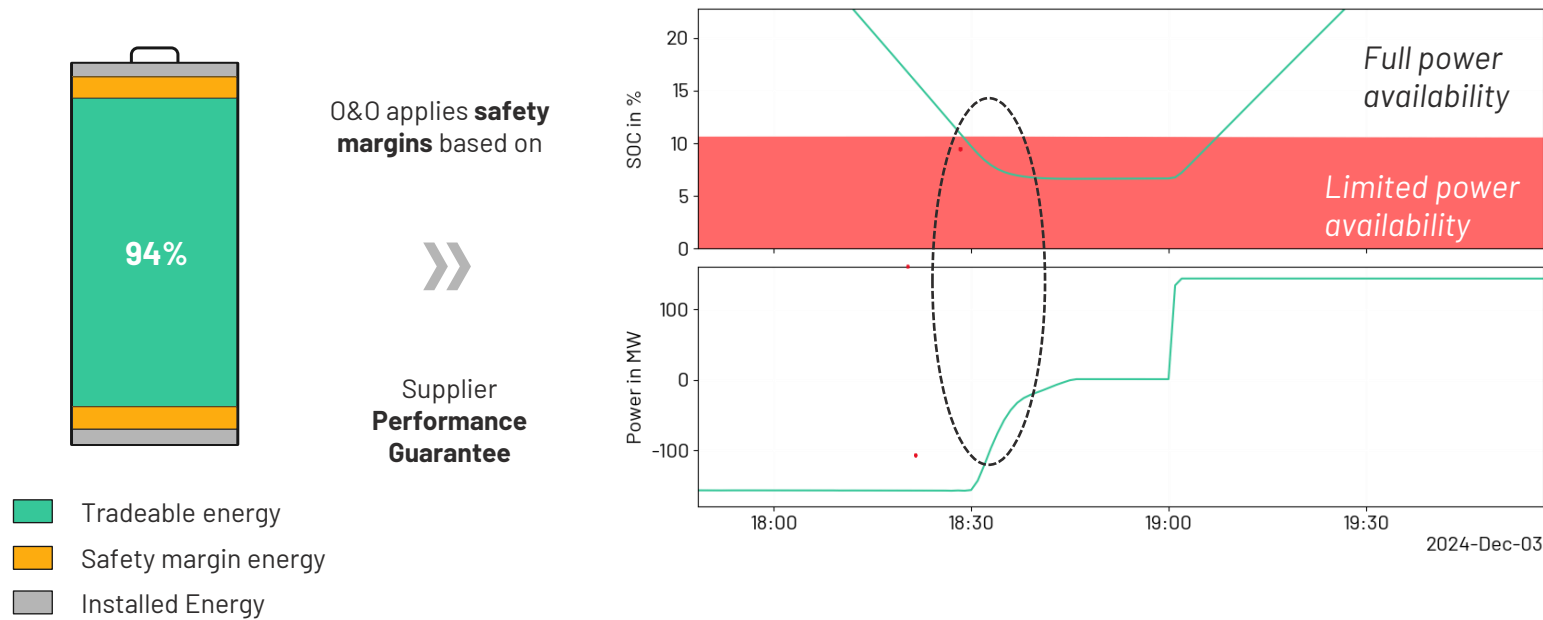
*Battery analytics reveals **faulty cell***



PERFORMANCE ANALYTICS

Accurate SOC calculations provide additional revenue opportunities and increased operational reliability.

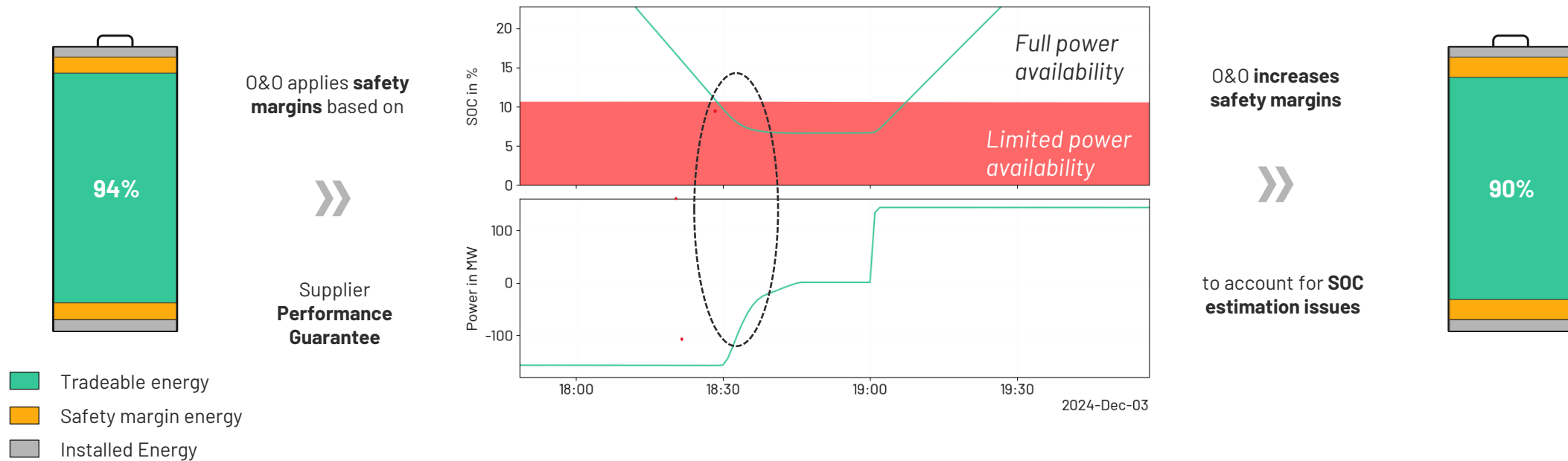
Faulty state estimation leads to *premature shut-down* and consequent *safety margin implementation*



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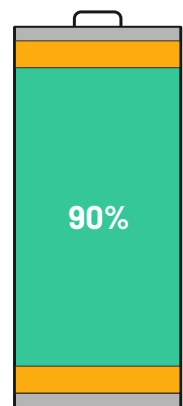
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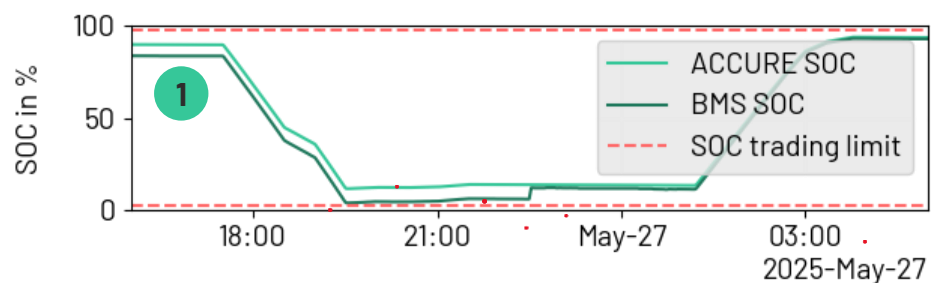
Accurate SOC estimation allows to leverage *full available capacity spectrum*



O&O uses higher safety margins



Limiting the available capacity



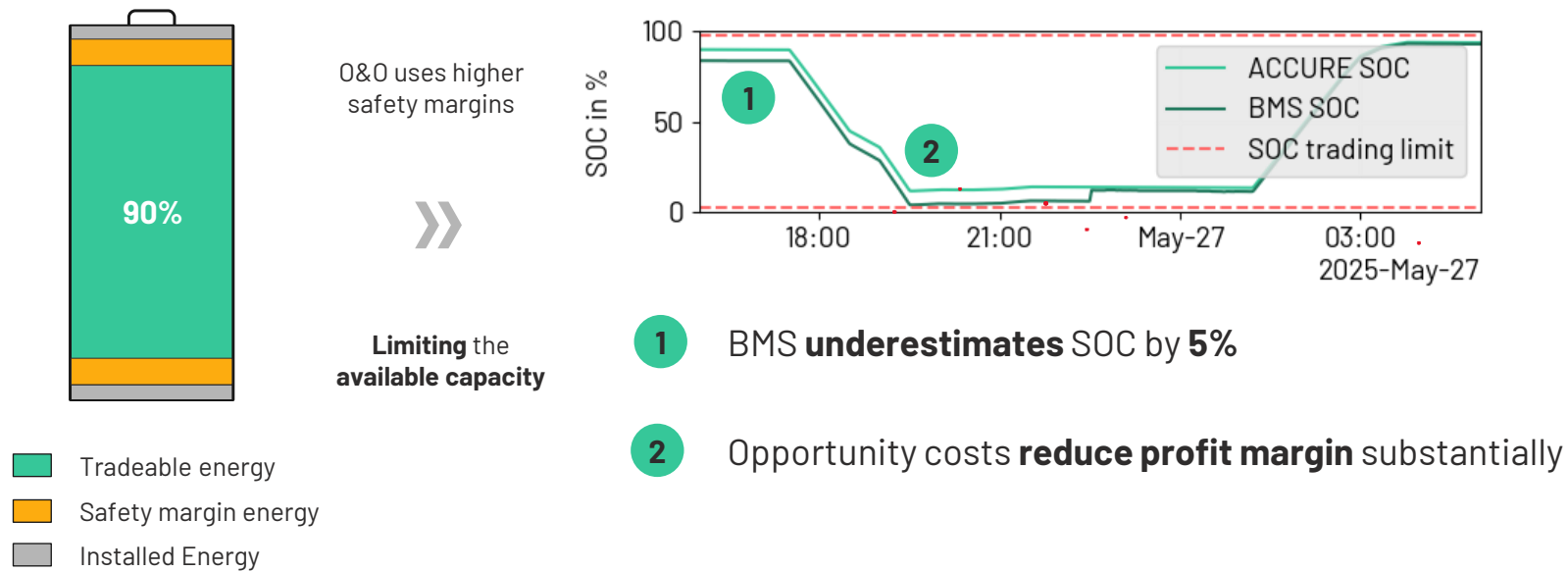
1 BMS **underestimates** SOC by **5%**

- Tradeable energy
- Safety margin energy
- Installed Energy

PERFORMANCE ANALYTICS

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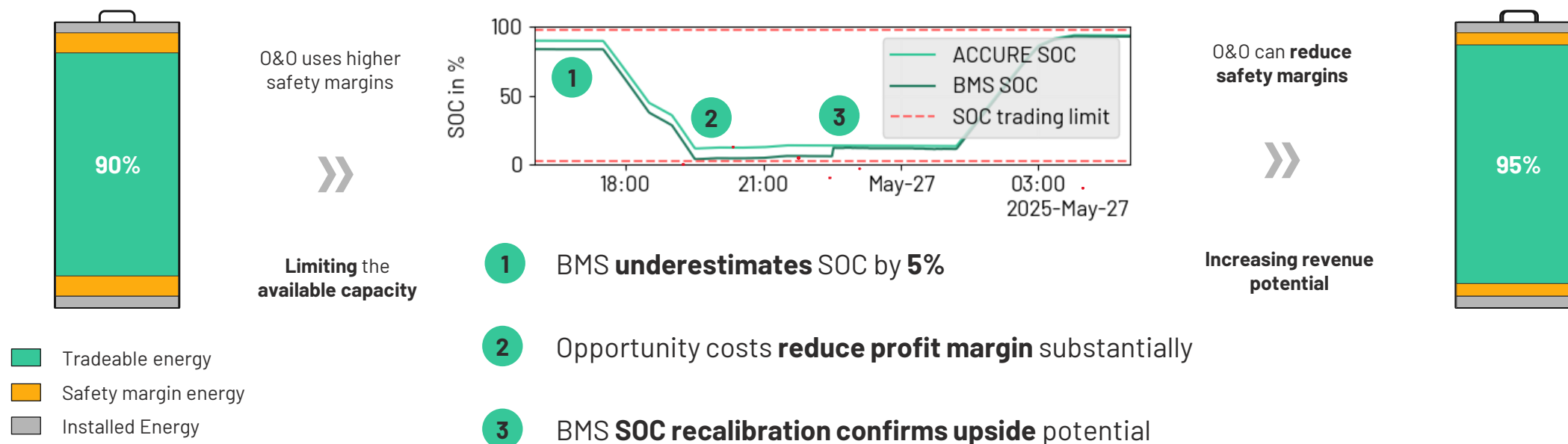
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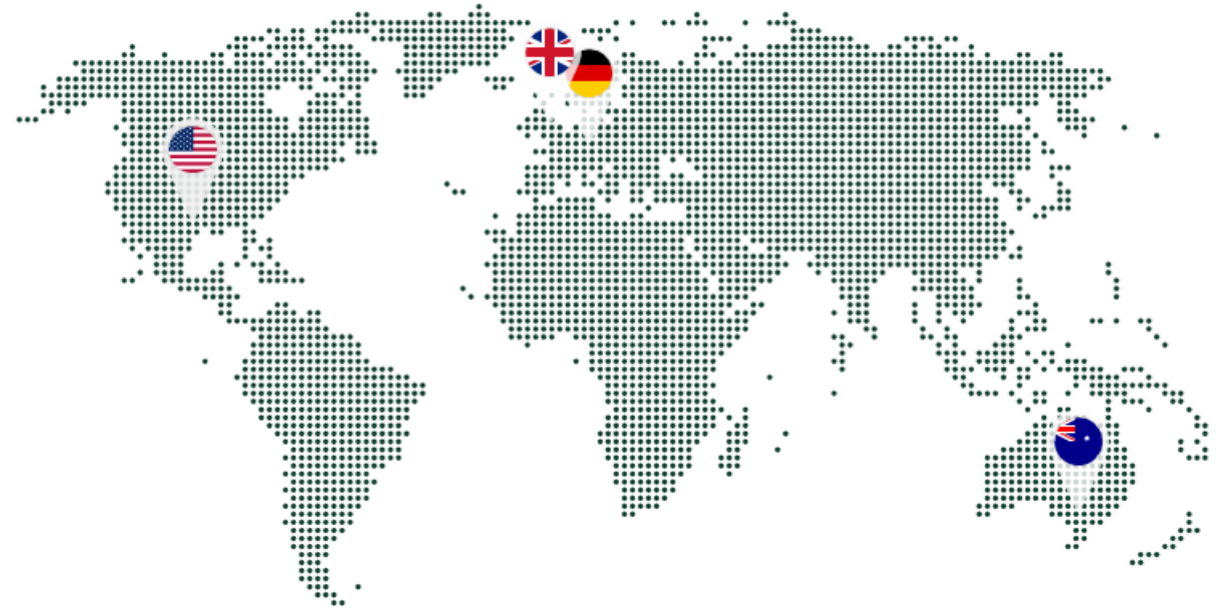
Accurate SOC estimation allows to leverage *full available capacity spectrum*



THE GLOBAL LEADER IN BATTERY HEALTH ANALYTICS

We're your partner combining data, software, and deep expertise to **support** you throughout your **battery journey**.

- > **15 GWh** of BESS supported
- > **70 BESS** sites actively monitored
- > **100 battery types** modelled
- > **35 battery experts** to lend a hand
- **Local team in Australia**, backed by global expertise in Europe
 - Contracting & LTSA for local conditions
 - Market responsiveness
 - Technical support in time zone, on-call, or in-person

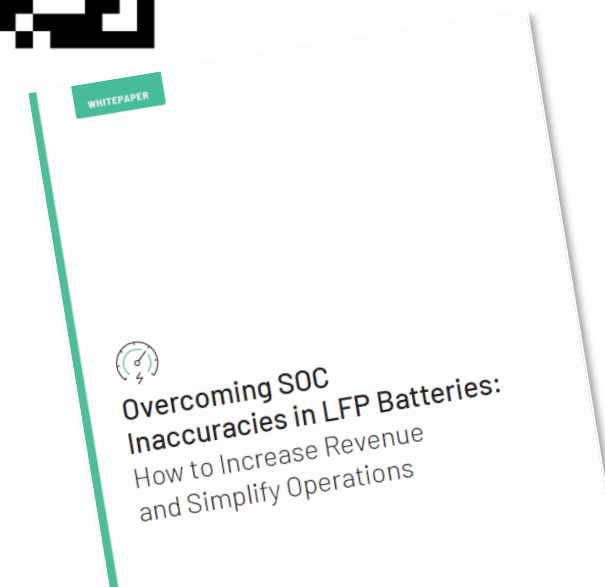


Takeaways

1. Aggressive growth in BESS projects will lead to increased risk for projects and operations
2. Level of risk awareness can depend on experience with BESS
3. Data intelligence and predictive insights can manage risk and improve your BESS operation

FREE WHITE PAPER

Overcoming SOC Inaccuracies
in LFP Batteries



The most deployed and trusted predictive battery analytics platform in the world.

18+ GWh of BESS
supported

70+ BESS sites
actively monitored

100+ battery types
modelled

35+ Battery experts
lending a hand

