

BATTERY ASSET MANAGEMENT SUMMIT

Benchmarking BESS: Insights from 100 Operating Assets in the Battery Landscape

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STATE OF THE BATTERY INDUSTRY

What share of global manufacturing capacity was built within the last two years?



STATE OF THE BATTERY INDUSTRY

What share of global manufacturing capacity was built within the last two years?

- Greater than 50%
- Consider: it takes time to perfect production in new facilities.





We help BESS owners & operators to make batteries **safe, profitable, and long-lasting** with predictive analytics.



Update: we now have offices in the U.K. and Australia.

Our
Offices



USA



GERMANY



Scalable, data-centric
approach



Prevent safety
incidents



Ensure reliable
operations



Extend battery
lifetimes



Manage warranties
seamlessly



Set the stage for
2nd-life usability



2025 Energy Storage System Health & Performance Report



INSIGHTS

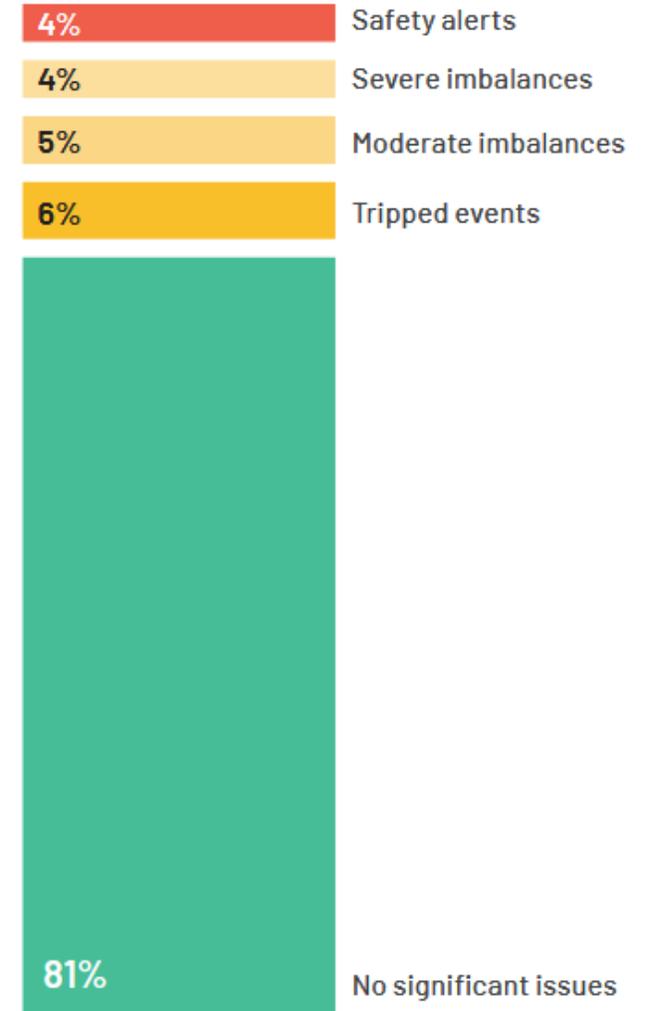
About 1 in 5 battery components show operational issues that directly reduce revenue

Issues include:

- *Safety risks*: can compromise equipment and/or pose risks to personnel
- *Severe imbalances*: more than 10%
- *Moderate imbalances*: deviations between 5% and 10%
- *Tripped events*: when components shut down to prevent damage

➤ **Early detection = revenue protection**

DISTRIBUTION OF COMPONENT ISSUES ACROSS ENERGY STORAGE SYSTEMS



INSIGHTS

System sizing and commissioning considerations determine performance early in the life-cycle

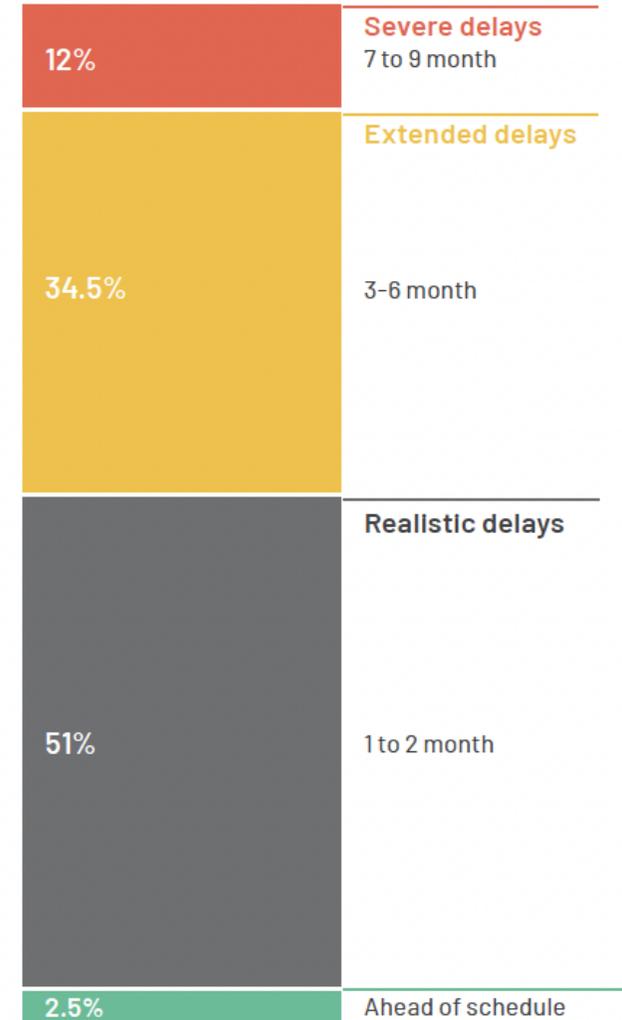
Asset sizing

- 9% of projects fail SAT; oversizing can hide performance issues.
- Most projects oversize 15-25%.
- Less than 10% = risk of shortfall.
- Greater than 25% = stranded capital.

Commissioning delays

- Over half delayed 1-2 months; 12% delayed 7-9 months.
- Lost revenues: Each week of delay can result in \$250,000 to \$1,500,000 in losses (or more) depending on system sizes and market contexts.

DISTRIBUTION OF COMMISSIONING DELAYS ACROSS PROJECTS

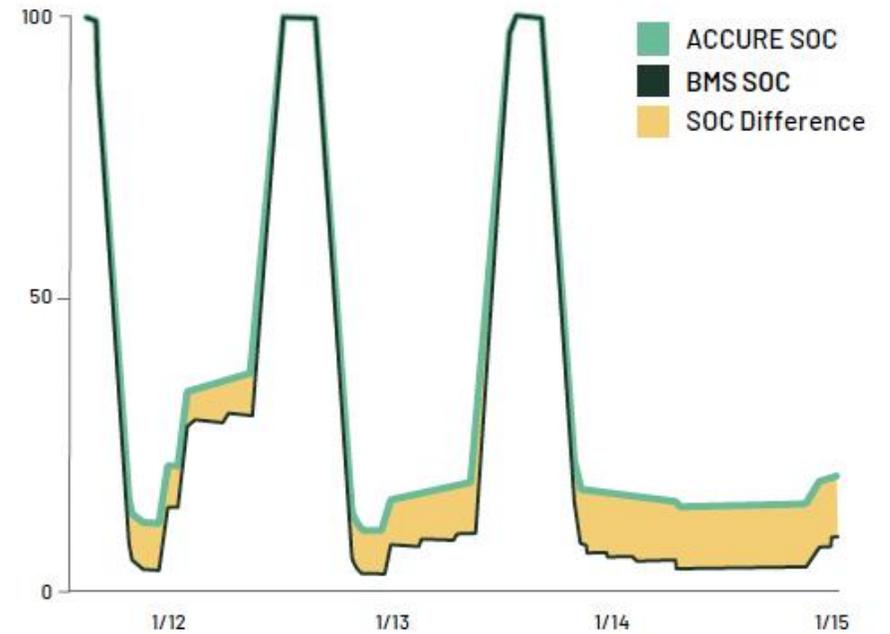


INSIGHTS

State of Charge (SOC) errors of $\pm 15\%$ are common – and costly.

- LFP chemistry makes estimation unreliable.
- Inaccuracies directly impact dispatch decisions, trading outcomes, revenue potential, and penalties.
- Advanced analytics reduce error to $\pm 2\%$.

EXAMPLE OF SOC ESTIMATION ERRORS IN A 50MWH+ LFP SYSTEM

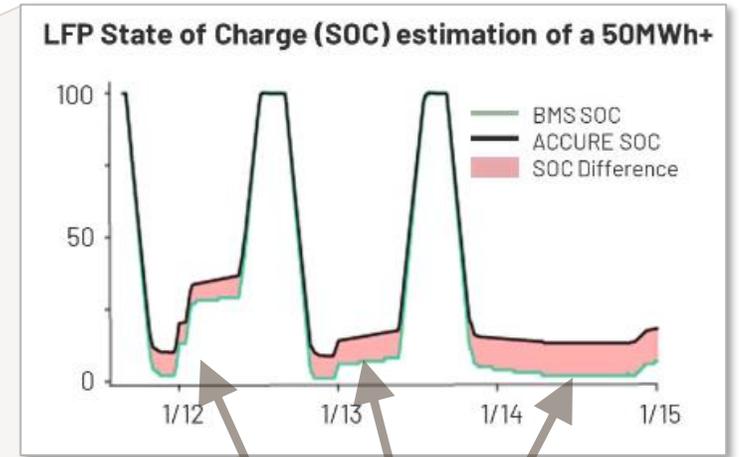
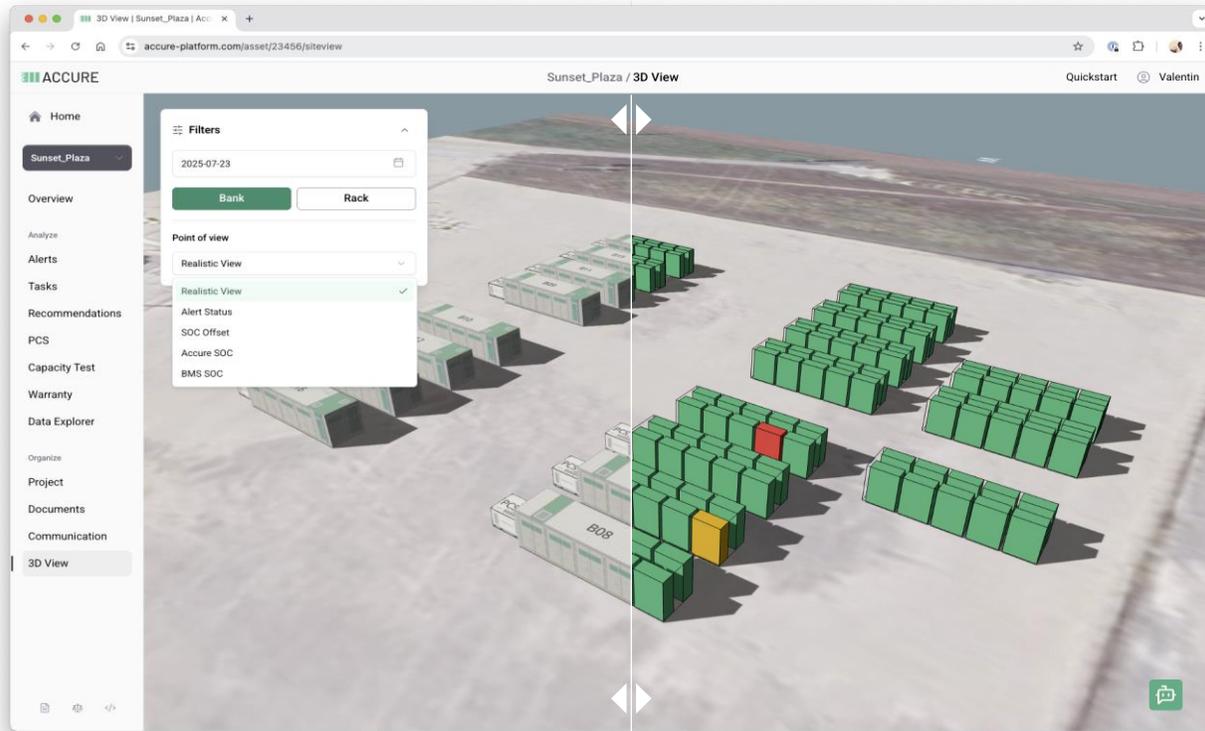


SOC ERRORS

>12% Inaccurate daily

STATE OF THE INDUSTRY

ACCURE's support of **18+ GWh** of operational BESS show that significant revenues are being lost due to SOC errors

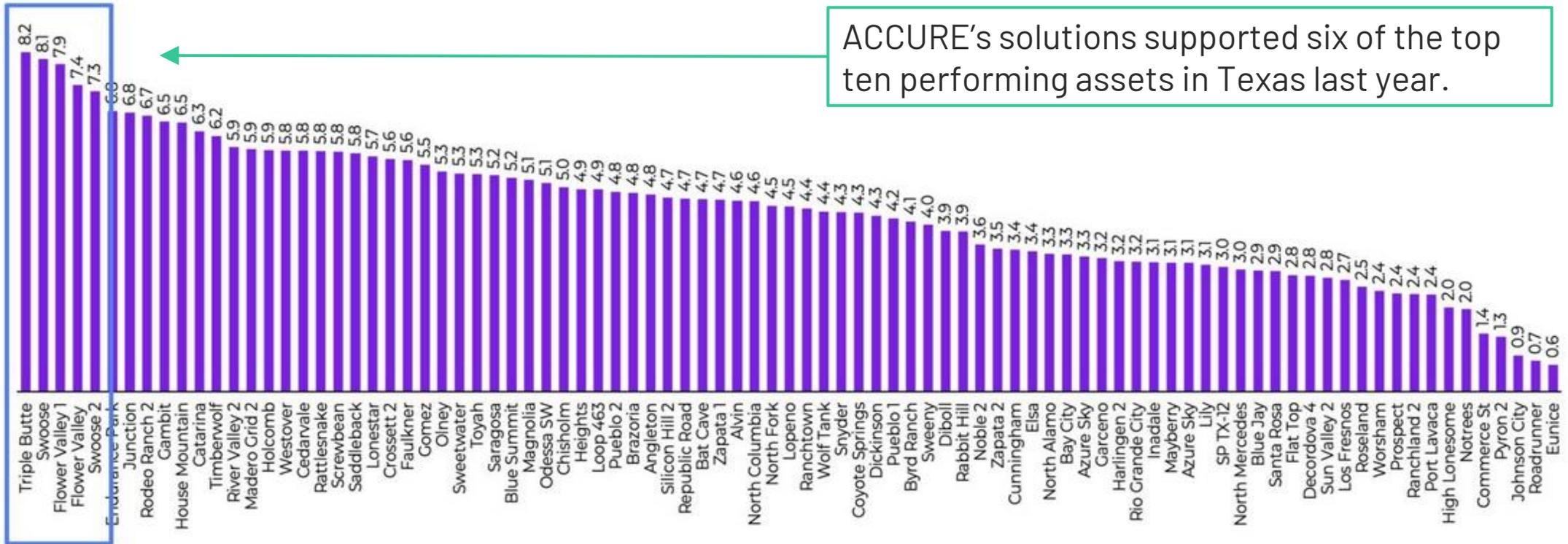


Lost revenues

BESS REVENUES

Large spreads. Market leaders do things differently.

2024 ERCOT BESS Revenues - \$/kW-mo

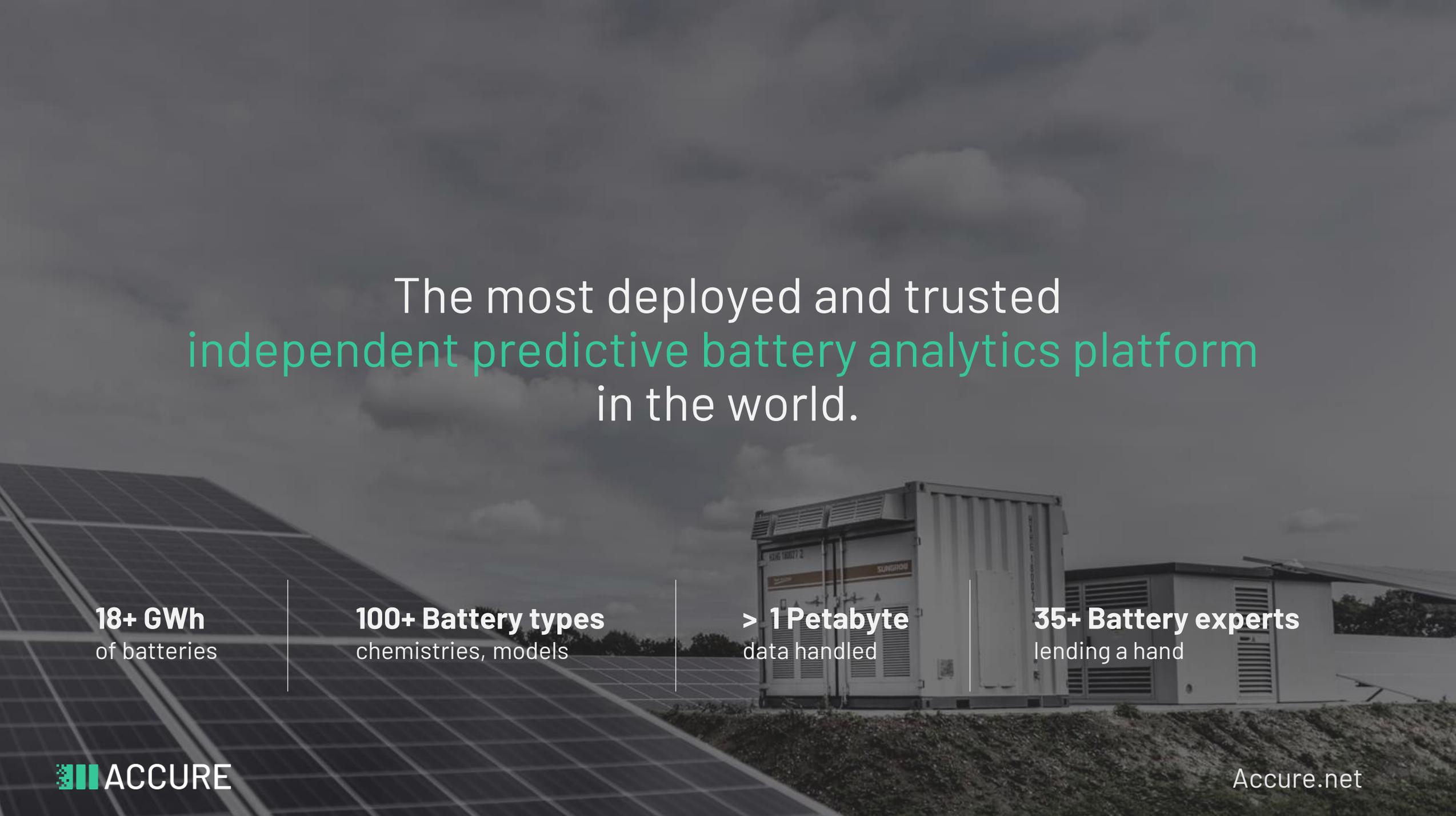


ACCURE's solutions supported six of the top ten performing assets in Texas last year.

 **2025 Energy Storage System
Health & Performance Report**

Download the report





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

18+ GWh
of batteries

100+ Battery types
chemistries, models

> 1 Petabyte
data handled

35+ Battery experts
lending a hand