

Case study

BATTERY OPTIMISATION AND TRADING SOLUTION ACROSS MULTIPLE SITES

Client
Energy Retailer, Australia

Location
NSW, Australia

Worked with
Trading team

Problem and challenges

Our client is a next-generation commercial and industrial energy retailer empowering brokers and businesses to profit from the energy revolution. Over the next 24 months, they are helping over 70 shopping centres across Australia optimise their solar and battery investments. The Evergen platform is key to enabling their clients to monitor, control and trade their capacity.

A trading platform needs to be agile, quick, hardware vendor-agnostic, and offer market-leading optimisation capabilities. With Evergen, the onboarding of new sites is straightforward, and commercial priorities for optimisation can be modified as market conditions change immediately.

Solution

What The client uses dispatchable battery capacity both behind and in front of the meter to manage market exposure and enable provision of compelling offers to their customers, backed by Evergen's DERMS and Intelligent Control.

Evergen optimisation via Intelligent Control

- Autonomous algorithm-driven optimisation of batteries to lower energy costs for site owners and protect against market volatility for the retailer
- Co-optimisation between energy, demand charges, and Contingency FCAS
- Retailer energy price predictions used to steer optimisation

Evergen Platform (DERMS)

- Single-pane-of-glass view of a multi-vendor, multi location fleet of assets
- Provides ability to monitor and dispatch assets at fleet level, overriding site-based optimisation where commercially desirable
- Fully-configurable trader settings for all markets in the value stack

How

- Connect multiple behind-the-meter batteries to the Evergen cloud platform
- Steer Evergen optimisation using the retailer's forecasts
- Ongoing machine learning to improve financial performance by site

Outcomes

- Target: 10MWh from 12 batteries at the first site, product fully scalable across other sites
- Product currently being modified to incorporate large front-of-meter batteries

When our client came to us, they needed a product that would help them maximise revenue across multiple sites with batteries, but they did not know how many sites or where they would eventually be built. Our platform is fully configurable and provided them with the certainty they needed, enabling them to do what they do best, empowered by our capabilities and assured of the most profitable outcomes.

Ben Hutt
CEO and Managing Director
Evergen