



UNSW
SYDNEY



Energy Data Analytics

Using live and historical data we are conducting research into live energy consumption, generation and grid-side voltage and frequency to increase grid stability with increased uptake of distributed energy resources such as rooftop solar.

Competitive advantage

- Australia leads the world in the uptake of rooftop solar, with over 1 in 5 freestanding homes being powered by the sun
- Established relationships with start-up companies, industry associations, networks, the energy regulator (AER) and the market operator (AEMO)
- International award-winning online platform for knowledge sharing

Successful applications

- Reports by the market operator (AEMO) on the response of distributed energy resources in the event of market disturbances
- Research outcomes are being used to inform the establishment of standards and system models by lead organisations (AER and AEMO)
- Research outcomes being used in open source platforms with significant exposure, attracting more than 10,000 site visits per month

Capabilities and facilities

- Open source models
- Online platform for knowledge sharing

Our partners

- The Australia PV Institute
- Solar Analytics
- Australian Energy Market Operator

More Information

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