



Informing the energy storage sector



The Australian Energy Storage Database is putting energy storage solutions on the map.

Australian Energy Storage Alliance

Australian Energy Storage Database

Teaser / Summary – The provision of good, reliable data is helping to fast track growth and innovation in the booming energy storage industry.

“We are well on the path to an energy transition from limited and large energy storage solutions, to a future where smaller, fast and flexible units of energy storage will change the way we use and share power.” Mary Hendriks, Industry Executive for the Australian Energy Storage Alliance.

What is this initiative?

The Australian Energy Storage Database (AESDB) is an online tool for anyone looking for information about existing and upcoming commercial and utility scale energy storage projects in Australia and New Zealand.

This free tool makes it simple and easy for users to get information about what technology is on the market and the location, ownership, and status of the projects. The aim of the database is to share knowledge, improve energy storage solutions and uptake and inform decision making for project managers, policy makers, researchers, planners and investors.

“By adding projects to the database, project managers and owners will help build a more comprehensive snapshot of Australia’s energy storage landscape,” said Mary Hendriks, Industry Executive for the Australian Energy Storage Alliance.

The database represents a range of projects from small to large scale commercial energy storage systems, and can filter projects by electro-chemical, electro-mechanical, hydrogen storage, pumped hydro storage or thermal storage.



Transgrid iDemand installation by Magellan Power

The AESDB is the Australian portal to the Global Energy Storage Database developed by the US Department of Energy and Sandia National Laboratories, and provides access to the extensive range of global projects.

Who is the project team?

The AESDB was developed by the Australian Energy Storage Alliance (AES Alliance) and funded through the NSW Energy and Resources Knowledge Hub. The AES Alliance is an information sharing and networking platform, set up to promote the wide range of existing and emerging energy storage solutions that are available in Australia.

What challenge is this project helping to solve?

Without efficient, effective energy storage systems, renewable energy as a power source will not be possible. Energy storage innovation is the critical driver for a cleaner energy future. On and off-grid energy management, micro grids for remote and mining communities, electric vehicles and advanced systems for managing the energy of buildings all rely on energy storage.

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As this sector of the industry booms, energy networks and business models will change. New market players entering this space will create enormous opportunity and will be critical to a successful transition, but effective collaboration will need to underpin this.

The AESDB, as the Australian and New Zealand arm of the Global Energy Storage Database, is contributing to a collaborative, informed and unified approach to global energy storage advancement.

What is the benefit of this initiative?

Australia has a portfolio of advantages to support the transition to renewables, including access to abundant renewable energy sources, land availability, and advanced research and innovation.

The AESDB, is a dedicated platform to capture, present and update renewable energy storage information and is a critical tool in illustrating and informing the renewable energy transition.

“This database is essential to visualising what is a very productive and progressive energy storage space. To inform better decisions and policy, it is important to see where new projects and investments fit on the map,” Mary Hendriks says.

The delivery of this project is closely aligned to the objectives of the [NSW Renewable Energy Action Plan](#), which aims to grow the Australian renewable energy industry and promote the transition to a clean energy mix.

With the boom of energy storage, business models are changing, and this creates a unique opportunity for business and investment. Knowing where that opportunity exists is the

difference between being able to capitalise or not, making this database a powerful knowledge sharing tool.

Find out more

To showcase your project on the Australian Energy Storage Database and globally on the Global Energy Storage Database, visit <http://energystoragealliance.com.au/australian-energy-storage-database/>.

To search the database, visit <http://www.energystorageexchange.org/AESDB/projects>

The Australian Storage Database is supported by NSW Department of Industry, NSW Energy and Resources Knowledge Hub and Powered by DOE Global Energy Storage Database and the Office of Electricity Delivery & Energy Reliability.

DO WE NEED LOGOS? IF SO WHICH ONES?