

# **Air-cooled energy storage solution in Sydney Australia**





## Overview

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What is UNSW doing about energy storage in Australia?

UNSW is striving towards 1,000GWh of beneficial energy storage in Australia by 2050. We believe this level of storage will underpin a healthy society by promoting a resilient and sustainable energy system. Resilience means providing electrical energy more reliably, by accommodating variable generators and unplanned damage to grid infrastructure.

What is liquid air energy storage?

Liquid air energy storage technology uses readily available air, cooling it into a liquid for storage and later converting it back to pressurized gas to drive turbines and generate electricity, thus enabling energy shifting from day to night. It is a location-agnostic solution that can be deployed anywhere in the grid and has a small footprint.

Who is stor-energy?

Stor-Energy is a leading and specialist developer, owner and operator of large-scale battery storage systems across Australia's national electricity market. The company, CitiPower and Powercor, empowers communities by providing them with choices on how to generate, store, use, and sell energy, supporting the transition to a clean energy future.

What do you do in energy storage?

Our work in energy storage also includes research into high-performance batteries, supercapacitors and fuel cells. Compressed air technology pressurises atmospheric air, converting it into stored potential energy.



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### Energy Storage Australia 2025

Mar 18, 2025 · Energy Storage Australia 2025 Event details Energy and climate-related policies have been accelerated by both state and federal ...

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### Air Battery

The Air Battery is a revolutionary Compressed Air Energy Storage (CAES) technology scalable from 50kWh to 100MWh.

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### Energy Storage Australia 2025

Mar 18, 2025 · Energy Storage Australia 2025 Event details Energy and climate-related policies have been accelerated by both state and federal governments, and for many companies the ...

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### Storage Technologies at UNSW , Energy ...

UNSW targets 1,000GWh of energy storage in Australia by 2050, ensuring a resilient, sustainable energy system for a healthy future. View our storage ...

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UNSW targets 1,000GWh of energy storage in Australia by 2050, ensuring a resilient, sustainable energy system for a healthy future. View our storage technologies.

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### Top 100 Energy Storage Companies in ...

Energy Storage Pty Ltd is dedicated to providing low-cost, zero-emission energy storage solutions, emphasizing their innovative approach to ...

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### Renewable Energy Storage Solutions Australia , Chelion

Nov 28, 2025 · Chelion Australia are experts in the engineering, design and integration of Energy Storage solutions for residential, commercial and utility applications.

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### Energy storage and battery technologies

Mar 24, 2025 · We are developing next-generation energy storage technologies that use thermal energy, compressed air, hydrogen, batteries and ceramics to manage the storage, delivery ...

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### Hydrostor's 1600MWh Australia project ...

Feb 26, 2025 · Rendering of Hydrostor's Silver City 200MW/1,600MWh advanced compressed air project, in development in New South Wales, ...

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### 15 Top Energy Storage Companies in Australia · December ...

Dec 1, 2025 · Detailed info and reviews on 15 top Energy Storage companies and startups in Australia in 2025. Get the latest updates on their products, jobs, funding, investors, founders ...

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Long-Duration Energy Storage Key to ...

Apr 29, 2025 · Explore how future sustainable power systems will need to integrate long-duration energy storage solutions such as LAES to ...

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Long-Duration Energy Storage Key to Sustainable Future: ...

Apr 29, 2025 · Explore how future sustainable power systems will need to integrate long-duration energy storage solutions such as LAES to complement the intermittent nature of renewable ...

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Hydrostor sees 1,600MWh advanced compressed air energy storage ...

Feb 27, 2025 · Toronto, Ontario-headquartered Hydrostor has received planning approval for a 200MW/1,600MWh advanced compressed air energy storage (A-CAES) project in New South ...

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Energy storage and battery technologies

Mar 24, 2025 · We are developing next-generation energy storage technologies that use thermal energy, compressed air, hydrogen, ...

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Top 100 Energy Storage Companies in Australia (2025) , ensun

Energy Storage Pty Ltd is dedicated to providing low-cost, zero-emission energy storage solutions, emphasizing their innovative approach to thermal energy storage that does not rely ...

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Hydrostor's 1600MWh Australia project approved

Feb 26, 2025 · Rendering of Hydrostor's Silver City 200MW/1,600MWh advanced compressed air project, in development in New South Wales, Australia. Image: Hydrostor. Canada ...

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