



# Victoria Compressed Air Energy Storage Project





## Overview

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Hydrostor has secured US\$55 million in funding from Export Development Canada (EDC) to advance development activities for its 200MW/1,600MWh Silver City Energy Storage Centre project in Broken Hill, New South Wales, Australia. According to the Toronto-based long-duration energy storage (LDES).

Clean energy innovator Hydrostor is opening two offices in Australia to support its expanding operations in the country, including a first-of-its-kind energy storage project for Australia. The Canadian company is opening its Asia-Pacific and Australian head office in Melbourne. It will also open an.

Compressed air technology pressurises atmospheric air, converting it into stored potential energy (like compressing a spring). When electricity is needed, the compressed air is released to flow through an expander (turbine-generator) to produce energy. The Australian electricity sector is.

We have two projects under advanced development, the 200 MW Silver City Energy Storage Centre in Australia, and the 500 MW Willow Rock Energy Storage Center in California. With a growing 7 GW Pipeline, these projects build off the success of our 2 MW Goderich Energy Storage Centre, the worlds first.

Compressed air energy storage (CAES) is considered a mature form of deep storage due to its components being firmly "de-risked" but few projects are operating in the Western world. A project in the remote New South Wales town of Broken Hill promises to lead the way. From pv magazine print edition.

Compressed-air-energy storage (CAES) is a way to store energy for later use using compressed air. At a utility scale, energy generated during periods of low demand can be released during peak load periods. [1] The first utility-scale CAES project

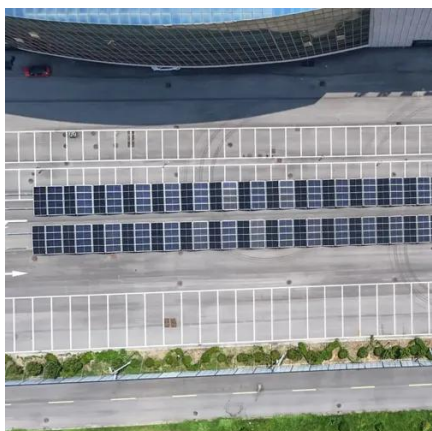


was in the Huntorf power plant in Elsfleth, Germany.



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### [Hydrostor's 1600MWh Australia project approved](#)

Construction of the 8-hour long-duration energy storage (LDES) project, located adjacent to the Potosi Mine, is scheduled to take place later this year and last between three ...

### Projects

Hydrostor is exploring two 500 MW early-stage development opportunities in western and south-west Victoria, in response Victoria's 95 percent renewable energy target by 2035. Long ...



### Compressed-air energy storage

Compressed-air-energy storage (CAES) is a way to store energy for later use using compressed air. At a utility scale, energy generated during periods of low demand can be released during ...



### [Compressed Air Energy Storage - Denison Gas](#)

CAES uses renewable energy to compress atmospheric air into depleted gas reservoirs and converts the renewable energy into stored potential energy, akin to a compressed spring. That ...



### [Advanced compressed air energy storage: ...](#)

Hydrostor has secured US\$55 million in funding from Export Development Canada (EDC) to advance its 1,600MWh A-CAES project in ...



### [Underground storage of compressed air](#)

Compressed air technology pressurises atmospheric air, converting it into stored potential energy (like compressing a spring). When electricity is needed, the compressed air is ...



### **Advanced compressed air energy storage: Hydrostor secures ...**

Hydrostor has secured US\$55 million in funding from Export Development Canada (EDC) to advance its 1,600MWh A-CAES project in Australia.

### [Hydrostor Wins 200MW Compressed Air Energy Storage Deal](#)





A first-of-its-kind energy storage project for Australia, the LTESA contract demonstrates the important capabilities of Hydrostor's Advanced Compressed Air Energy Storage (A-CAES) ...



### [Hydrostor opens regional HQ in Australia to ...](#)

The project, the first of its kind in Australia, will repurpose a disused mine in Broken Hill, New South Wales to store compressed air. ...



### **Hydrostor advances compressed air storage project in Australia**

Hydrostor, a Canadian long-duration energy storage developer, has secured AUD 82.6 million (\$54.7 million) in funding to support its 200 MW Silver City Energy Storage Centre ...



### [Underground storage of compressed air](#)

Compressed air technology pressurises atmospheric air, converting it into stored potential energy (like compressing a spring). ...



### **Hydrostor opens regional HQ in Australia to advance energy storage project**



The project, the first of its kind in Australia, will repurpose a disused mine in Broken Hill, New South Wales to store compressed air. Once built, the A\$652 million project will be ...



50KW modular power converter



### Compressed air energy storage at a crossroads

In a disused mine-site cavern in the Australian outback, a 200 MW/1,600 MWh compressed air energy storage project is being developed by Canadian company Hydrostor.



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