

Denmark hydrostor broken hill

What is Hydrostor doing in Broken Hill?

Canadian firm Hydrostor has struck a deal to provide back-up power to the remote New South Wales outback town of Broken Hill using a compressed air energy storage plant that will be built in an underground cavern at one of the region's closed mines. An artist's impression of the 200 MW/1,600 MWh Silver City Energy Storage Project. Image: Hydrostor

Will Hydrostor provide back-up power to Broken Hill in 2027?

BROKEN HILL, AUSTRALIA - December 08, 2023 - Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement with Transgrid, which will see the 200MW/1600MWh Silver City Energy Storage Project (Silver City) provide back-up power to Broken Hill as early as 2027.

How long will Hydrostor lease Broken Hill?

Hydrostor will employ an advanced compressed air energy storage system near Broken Hill. An agreement between Hydrostor and Crown Lands, part of the NSW department of planning, housing and infrastructure (DPHI), will see Hydrostor lease the land for a period of 65 years, with construction expected to begin in 2025, following development approval.

Will Broken Hill keep the lights on?

"Beyond the clear decarbonisation and economic benefits of the project, we are pleased to see that the Broken Hill community is excited to be part of a ground-breaking project which will keep the lights on," added Jordan Cole, Hydrostor's Chief Commercial Officer.

Goldman Sachs has shown interest in the A-CAES technology investing USD\$250 million in Hydrostor to be paid out in tranches based on the progress of projects in development in Australia (Broken Hill) and California - the proposed 500MW Willow Rock Energy Storage Center and the Pecho Project.

Global long duration energy storage (LDES) developer and operator, Hydrostor, and the New South Wales (NSW) Government have officially signed a Crown Lands agreement to enable the construction of the Silver City Energy Storage Centre, designed to provide crucial backup power to Broken Hill and support the stability of energy in the region by enabling a mini ...

BROKEN HILL, AUSTRALIA - January 20, 2023 - Hydrostor Inc (Hydrostor), a leading long duration energy storage (LDES) solution provider, announced that it acquired the remaining 50% interest in the Silver City Energy Storage Centre (Silver City or the Project) from Australian developer, Energy Estate, resulting in Hydrostor owning 100% of the Project.

Hydrostor announced this week that it has secured \$250 million from Goldman Sachs to progress development

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and construction of its worldwide A-CAES projects, including the one in Broken Hill.

Hydrostor and Transgrid Enter First-of-its-kind Agreement to Provide Backup Power in Broken Hill Demonstrating the critical role of Hydrostor's advanced compressed air energy storage for the ...

BROKEN HILL, AUSTRALIA, Dec. 07, 2023 (GLOBE NEWSWIRE) -- Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement with Transgrid, which will see the 200MW/1600MWh Silver City Energy Storage Project (Silver City) provide back-up power to Broken Hill as early as 2027. A first of its kind energy storage ...

Hydrostor will repurpose a disused mine for its fuel-free underground air-storage facility, which will be connected to Transgrid's Broken Hill substation via a 16 km transmission line. Climate Change and Energy Minister Chris Bowen said the project would be Australia's largest medium duration storage project, besides pumped hydro, and will ...

The Broken Hill big battery has finally been charged up, helping to bring stability to the local electricity supply and create a more resilient local micro-grid - but the question remains about ...

Located 1,140 kilometres northwest of Sydney, the New South Wales (NSW) city of Broken Hill will have its large-scale back-up diesel generator superseded by a mini-grid system supplied by Canadian-headquartered long ...

The New South Wales Government has signed a 65-year lease with Hydrostor to enable the construction of an advanced compressed air energy storage site in Broken Hill to support the development of a mini grid and bolster energy security in the region.

Broken Hill has moved another step closer to becoming one of the world's largest renewable mini-grids, following the publication of Transgrid's Project Assessment Conclusions Report (PACR) into securing the area's back-up power supply.. Transgrid executive general manager of network Marie Jordan said the preferred long-term solution put forward by Canadian firm Hydrostor ...

Hydrostor's technology is less affected by these limitations and can be flexibly sited due to a variety of air storage cavern methods, including a greenfield basis utilizing purpose built hard-rock caverns, salt caverns, in addition to repurposing existing assets such as mines as in the case in Broken Hill at "Silver City".

This week, Hydrostor's senior vice president in origination and development Martin Becker visited Broken Hill to meet with key stakeholders. In a statement provided to the ABC, Mr Becker said a ...

The Silver City Energy Storage Centre is set to be housed near the Potosi mine site on the Northeast outskirts of Broken Hill. The technology, backed by NSW grants relating to the closure of the Liddell coal-fired power plant in 2023, will support Broken Hill's energy grid by incorporating the increased generation of reliable,

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renewable energy and provide a reliable backup power ...

MELBOURNE, AUSTRALIA, 8 NOVEMBER 2024 - Global long duration energy storage (LDES) developer and operator, Hydrostor, and the New South Wales (NSW) Government have officially signed a Crown Lands agreement to enable the construction of the Silver City Energy Storage Centre, designed to provide crucial backup power to Broken Hill and support the stability of ...

Discover how the new energy storage facility in Broken Hill will enhance energy security, create employment opportunities, and position the region as a pivotal player in Australia's energy transition. Find out more about the Silver City Energy Storage Facility.

Hydrostor has signed a 65-year Crown Lands lease that brings the Silver City Energy Storage Center one step closer to fruition. The project includes advanced compressed air long-duration energy storage and a minigrid that will improve energy stability in Broken Hill, a remote outback mining community in the Far West region of New South Wales.

BROKEN HILL, AUSTRALIA, Dec. 07, 2023 (GLOBE NEWSWIRE) -- Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement with Transgrid, which will see the 200MW/1600MWh Silver City Energy Storage Project (Silver City) provide back-up power to Broken Hill as early as 2027.

Canadian firm Hydrostor has struck a deal to provide back-up power to the remote New South Wales outback town of Broken Hill using a compressed air energy storage plant that will be built in an underground ...

At the time of its proposal, the Silver City project at Broken Hill was the biggest compressed air storage proposal in the world, but that has been superseded by another Hydrostor project in ...

Hydrostor, a Canadian company with patented advanced compressed air energy storage technology (A-CAES) designed to provide long-duration energy storage, has entered into a binding agreement with Perilya to leverage existing assets at the Potosi mine site near Broken Hill to support the construction of the Silver City Energy Storage Project.

BROKEN HILL, AUSTRALIA - January 20, 2023 - Hydrostor Inc (Hydrostor), a leading long duration energy storage (LDES) solution provider, announced that it acquired the remaining 50% interest in the Silver City Energy Storage Centre ...

The Silver City Energy Storage (SCES) Project is an innovative clean energy storage project that will re-purpose an existing mine site to provide energy security for Broken Hill and Far West ...

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200MW/1600MWh Silver City ...

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The innovative project will utilise Hydrostor's Advanced Compressed Air Energy Storage (A-CAES) technology, enabling Broken Hill to potentially become one of the world's largest renewable mini-grids. The facility aims to replace aging diesel generators and provide reliable backup power for the region.

Land deal signed for deep storage to create Broken Hill mini grid, but network rules still stand in the way
NSW energy minister Penny Sharpe, Hydrostor's Martin Becker and Jon Norman, and Lands ...

Pictured: Minister for Climate Change and Energy, Penny Sharpe, Hydrostor VP of Origination and Development, Martin Becker, Hydrostor President, Jon Norman, NSW Minister for Small Business, Steve ...

Economic impact report for long duration energy storage project in Broken Hill confirms it will create significant employment during construction and operations
Broken Hill, Australia, June 07 ...

On behalf of the Australian Government, the Australian Renewable Energy Agency (ARENA) has announced it has conditionally approved \$45 million in funding to construct a 200 MW / 1600 MWh fuel-free energy storage facility, developed by Hydrostor Inc, utilising their Advanced Compressed Air Energy Storage (A-CAES) technology and repurposing a disused ...

Being deployed at Silver City. BROKEN HILL, AUSTRALIA, Dec. 07, 2023 (GLOBE NEWSWIRE) -- Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement ...

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