

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.

Could Hydrostor project create 780 full-time jobs in Broken Hill?

(Supplied: Hydrostor) A project that could inject hundreds of millions of dollars into Broken Hill's economy and create 780 full-time jobs is creeping closer to construction. Canadian company Hydrostor has signed a binding agreement with base metals and exploration company Perilya for access to Perilya's Potosi mine, on the outskirts of the city.

Can Hydrostor be flexibly sited?

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".

What is Hydrostor doing with Perilya's Potosi mine?

Canadian company Hydrostor has signed a binding agreement with base metals and exploration company Perilya for access to Perilya's Potosi mine, on the outskirts of the city. The facility will store compressed air underground and is expected to generate 200 megawatts of power that would be used as a back-up supply for Broken Hill.

Is Hydrostor a long-term solution for TransGrid?

Transgrid's Executive General Manager of Networks, Marie Jordan, said: "The preferred long-term solution put forward by Canadian firm Hydrostor is in the long-term interests of electricity customers.

The flexible site selection allows Hydrostor's A-CAES technology to target specific problems and capture new value streams, including fringe-of-grid applications such as at Broken Hill, Renewable Energy Zones (REZs), and off-grid applications.

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 ...

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 ...

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.

Breaking New Ground: Hydrostor's Bold Step Towards a Sustainable Future for Broken Hill. Read More. Company. Nov 8, 2024. Hydrostor Inks Lease with NSW Government for Silver City Project in Step Toward... Read More. Insights. Oct 16, 2024. The Tipping Point: How Long Duration Energy Storage Guarantees the Future of Reliability...

BROKEN HILL, AUSTRALIA - June 7, 2021 - Hydrostor, a long duration energy storage solution provider, today announced the latest results from a third-party economic impact report produced by ACIL Allen for its 200 MW Advanced Compressed Air Energy Storage (A-CAES) project being developed in Broken Hill, New South Wales. ...

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 ...

MELBOURNE, AUSTRALIA - Sep 28, 2023 - Hydrostor, a global long duration energy storage (LDES) developer and operator, and Perilya, a developer and operator of global mining projects, have entered into a binding agreement to leverage the existing mining assets at Perilya's Potosi Mine in Broken Hill to support the construction of the Silver City Energy Storage (SCES) Project.

Transgrid is reviving plans for a renewable microgrid in Broken Hill, leveraging our 200MW compressed air storage technology. Originally sidelined due to regulatory constraints favoring diesel generators, the project has been reconsidered with anticipated support from the Australian Renewable Energy Agency.

Perilya Broken Hill Limited and Hydrostor have been working together since 2020 to evaluate the potential of a large-scale long duration energy storage project adjacent to the Potosi Mine ...

Broken Hill is located in the far west of New South Wales and is part of Transgrid's south western transmission network. It is currently supplied by a single 220 kV transmission line, "Line X2", from Buronga which spans approximately 260 km. ... followed by network support provided by the Hydrostor compressed air storage solution (Option 1A(4 ...

Hydrostor has developed, deployed, tested, and demonstrated that its patented Advanced Compressed Air Energy Storage ("A-CAES") technology can provide long-duration energy storage and enable the renewable energy transition.

Building off the success of our 2 MW Goderich Energy Storage Centre, the worlds first commercially

contracted Advanced Compressed Air Energy Storage project that is operating in Canada, we have two projects under advanced development, the Silver City Energy Storage Centre in Australia (200 MW / 8 hours duration), and the Willow Rock Energy Storage Center ...

**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 ...**

Hydrostor announced this week that it has secured \$250 million from Goldman Sachs to progress development and construction of its worldwide A-CAES projects, including the one in Broken Hill.

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, renewable energy and provide a reliable backup power ...

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