



SILVER CITY
ENERGY STORAGE

Silver City Energy Storage Centre Project and the Benefits of Co-Location with Perilya's Potosi Mine

Introduction

Repurposing mining assets can create distinctive opportunities for communities and broader regions, while furthering positive social and environmental outcomes.

The Silver City Energy Storage Centre Project by Hydrostor will be co-located on the Perilya Potosi mine site, which minimises potential environmental impacts by using existing mining land and some mining infrastructure for the development of the project's underground cavern. The project has an agreement with Perilya for the use, operations, and maintenance support of the mine while the cavern is being developed.

Benefits of the co-location include:

- Providing a diversified post-mining land use for the Potosi mine site, and a long-term land-use solution of this land whilst co-existing with the existing mining operations for the operational life
- The Perilya Potosi mine site has been mined down to ~600 m below the surface, approximately the depth that will support the operation of A-CAES technology. This means the cavern can be built using the existing Perilya decline and mine workings.
- The geology of the mine site is well understood, with geotechnical investigations indicating the conditions are well-suited for A-CAES technology. The cavern will be constructed using conventional drill and blast mining methods similar to the methods currently used at the existing mine.
- Once the cavern is built, it will be sealed to isolate it from the Perilya decline, allowing Perilya to continue mining operations at the site.

The Flying Doctor Site

The Flying Doctor deposit site is owned by Perilya and has potential for an open cut mining operation that could provide a source of zinc, lead and silver. The proposed Silver City project overlaps with an area that was planned for the surface ancillary operational areas for the Flying Doctor Deposit, however, does not interact with the proposed mining area. Should Perilya decide to proceed with mining the Flying Doctor Deposit, appropriate modifications would be made to the consent to redesign the surface operations.

The Flying Doctor site is non-operational at the current time, however as the location is an open cut mine, it is possible for the Silver City Project and the Flying Doctor site to co-exist, pending modification of planning approvals from the Broken Hill City Council.

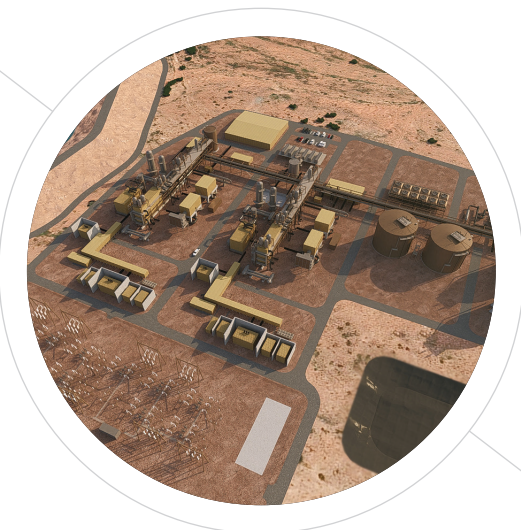
Project Safety

The Silver City Energy Storage Centre project is working collaboratively with Perilya to ensure that all work carried out on Perilya and Potosi land adheres to all relevant requirements. Workers will also receive specific inductions and training as required to authorise them to work on the Perilya site.

Safety is a core value and top priority of Hydrostor and the Silver City project. The project team is committed to all of our people returning home safely, while also creating an environment where everyone can share possible concerns, insights, and learnings to ensure their safety and the safety of others. Everyone on the project is responsible for project safety.

Through communication channels such as safety meetings, toolbox talks, pre-start meetings, and safety alerts, among others, the Silver City project team will keep personnel informed about safety best practices, raise awareness about project safety, and prevent incidents or accidents.

As with all other projects within NSW, the project has an incident reporting system. Some incidents are reportable to the regulator (Safe Work NSW; NSW Resources Regulator; EPA NSW).



Contact and Further Information

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