

Hornsdale Energy Storage Project





Overview

What is the Hornsdale Power Reserve?

One of the projects was the Hornsdale Power Reserve, a 100 MW battery project, owned by Neoen, supplied by Tesla, located at the Hornsdale Wind Farm and covering approximately one hectare of land. The Government's goal for the large-scale battery project was to improve power system security and the affordability of energy.

How much energy does Hornsdale wind farm use?

It includes a 150 MW (194 MWh) grid-connected energy storage facility operated by Neoen and located adjacent to the Hornsdale Wind Farm. The initial phase, which included a 100 MW (129 MWh) project, was completed in a record-breaking 100 days and proved effective in terms of electricity cost savings.

How much money did the Hornsdale Power Reserve save?

The success of the Hornsdale Power Reserve was swift and significant. In just its first two years of operation, it saved South Australian consumers over \$150 million.

Who built Hornsdale Power Reserve?

The contractors involved in the Hornsdale Power Reserve project were Neoen and Tesla. Neoen, a French renewable energy firm, led the consortium responsible for constructing the battery. In 2019, Neoen announced to expand the capacity by an additional 50 MW/64.5 MWh. This resulted in bringing the total combined capacity to 193.5 MWh.



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Sep 27, 2019 · 4 AEMO, Initial operation of the Hornsdale Power Reserve Battery Energy Storage System, April 2018 5 AEMO, Quarterly Energy Dynamics, Q1 2018 6 It should be noted that, ...

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