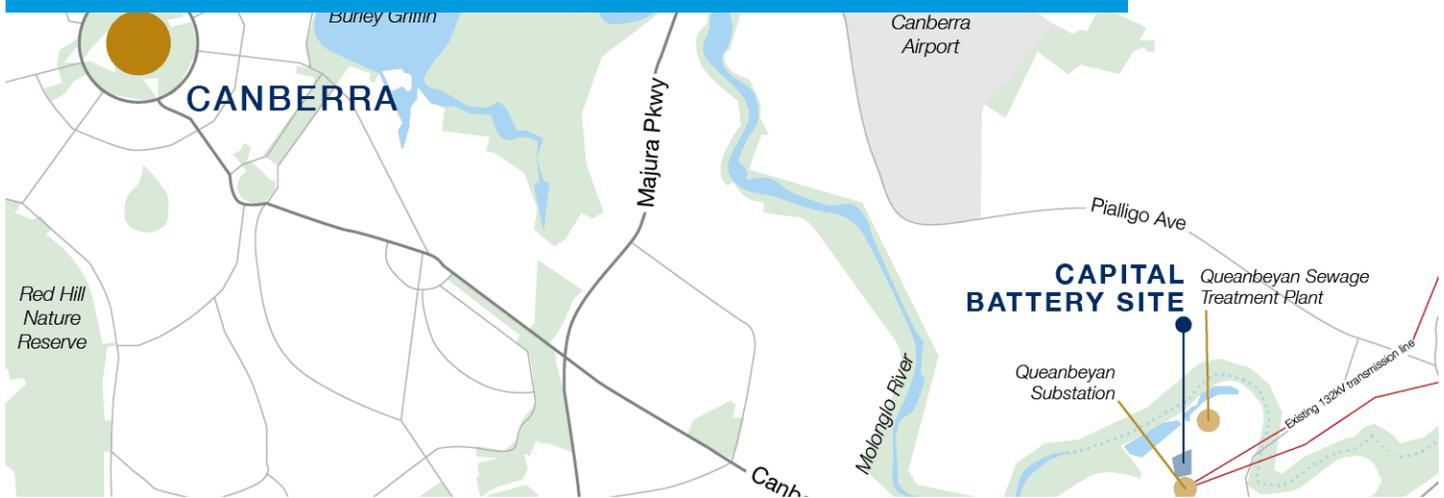


PROJECT PROFILE

Capital Battery - 100MW/200MWh BESS



NEOEN

Outcomes:

1. Respond to frequency changes to prevent voltage and frequency collapse.
2. Stabilize the grid when electricity supply and demand fluctuate.
3. Add competition to the markets to reduce consumer electricity prices.

Challenge

Neoen is a major long-term partner in the Australian Capital Territory's (ACT) low carbon transition and one of Australia's leading renewable energy companies. The ACT is an internationally recognized 100% renewable electricity jurisdiction focused on reaching net zero emissions by 2045.

Neoen has committed to building a battery storage facility with at least 50 MW capacity in the nation's capital to support and stabilize ACT's electricity grid. The battery will be open to community co-investment, providing residents of the ACT and the Capital region with an opportunity to become financial stakeholders in the project.

Doosan GridTech® Solution

Neoen has named a consortium of Doosan Heavy Industries & Construction Co. Ltd. and its subsidiary, Doosan GridTech, to build the 100 MW / 200 MWh Capital Battery - the largest standalone battery storage system in the Australian Capital Territory (ACT). The consortium will provide engineering, procurement, and construction services with a 20-year operations and maintenance program.

The Capital Battery will connect into Australia's national electricity grid via the transmission network as a grid-scale battery storage system. The 627-battery unit system is expected to be fully operational by mid-2023. It will provide power to help avoid blackouts during periods of high demand and when large fossil fuel generators fail in heatwave conditions.

Doosan GridTech's Intelligent Controller will provide a predictable supply of electricity to the grid through its ability to dispatch energy during peak times of demand. The upgradeable software ensures long-term risk management flexibility for technology options and adaptation to meet future grid needs.