

PROJECT SPOTLIGHT

Energy Storage
Enhancing Australia's T&D
Networks and Providing
Flexible Peaking Capacity



Ballarat, Victoria, Australia



The successful energisation of this battery marks a real watershed moment in the continuing modernisation of Victoria's energy supply. Integrating this leading technology into our Ballarat Terminal Station means it is well placed to enhance the stability of the state's energy supply, especially during the coming summer peak demand periods.

Nino Ficca, Managing Director of AusNet Services

SYSTEM OVERVIEW

- Fluence's Advancion Energy Storage Platform
- 30 MW / 30 MWh
- Owned by AusNet Services and sited at the Ballarat Terminal Station
- Operated by EnergyAustralia
- Entered commercial operation in 2018

APPLICATIONS

- Transmission/Trading Enhancement
- Flexible Peaking Capacity

PROJECT HIGHLIGHTS

- This project enhances Australia's T&D networks, adding reliability and flexible peaking capacity and alleviating network congestion for the regional grid.
- The system can be utilized to provide flexible peaking capacity, ancillary frequency control services, and potentially other network services by agreement with a transmission or distribution network provider. The layering of these services enables the storage asset to deliver maximum value.
- This project demonstrates how to bring market participants in different parts of the grid value chain together to enhance the value of a storage asset. This model can be replicated in any market around the world to facilitate multiple uses of a storage asset for market and grid benefits.

