

## Case Study

## Lincoln Gap Wind Farm - BESS Project

**Project Details****Client name**  
Fluence**Start date**  
January 2019**Completion date**  
May 2019**Contract Type**  
Construct**Contract value**  
Approx. \$1.2 million**Key Personnel**  
Project Manager - Garen Derharoutian  
Construction Manager - Daniel Bandt and Jason Semmler

**“This project will provide important grid stability services to the South Australian electricity network**

**The Customer**

Fluence is the leading global energy storage technology and services providers. It is the result of two industry powerhouses and pioneers in energy storage joining together to form a new company dedicated to innovating modern electric infrastructure. In January 2018, Siemens and AES launched Fluence, uniting the scale, experience, breadth, and financial backing of the two most experienced icons in the energy storage industry.

**The Opportunity**

Fluence was tasked with adding 10MW/10MWh lithium-ion Battery Energy Storage System (BESS) to support the 59-turbine 212MW Lincoln Gap Wind Farm, which will reliably integrate the wind farm’s output to the National Electricity Market (NEM). The new energy storage platform aims to provide improved Fast Frequency Response (FFR) capabilities, helping the project to meet new interconnection requirements for renewable generation projects in South Australia. It will also deliver critical flexibility in the form of Frequency Control Ancillary Services (FCAS) directly into the NEM, which serves approximately 9 million customers in five regional jurisdictions including South Australia and Victoria.

**The Solution**

The Lincoln Gap BESS will be the third-largest big battery in South Australia, after the Tesla big battery at Hornsdale Wind Farm and the Dalrymple North battery at the Wattle Point Wind Farm.

Enerven was responsible for the Stage 1 battery installation, which included procurement of cable, battery installation, installation of transformers and inverters, electrical reticulation, earthing, and control and telemetry equipment.

The project was delivered on-time and to-budget due to our proactive approach to providing a dependable service that seamlessly integrated with our customer’s delivery model. This project also showcases our electrical construction and project delivery capability.

This project also highlights Enerven’s commitment to supporting and implementing renewable projects in South Australia.





### Key Capabilities

This project highlights Enerven's ability to deliver quality design & construction projects through established procurement processes, professional project management, competent engineering, and our ability to collaborate with our customers to deliver custom solutions.

### Why Enerven?

Our experience in the market place, combined with expertise and industry knowledge, makes Enerven attractive to industry leaders such as Oz Minerals, Lendlease, AGL and BHP Billiton for their energy infrastructure needs.

Enerven invest heavily in the latest technology and the professional development of our staff, which means we combine experience and history with innovation and technology to deliver solutions that address the evolving energy distribution requirements of the community.

With a strong supplier and partner network behind us, our highly

skilled staff work closely with you to fully understand your specific needs and vision, and will tailor a solution to suit.

Delivering the highest standard of work in a safe and environmentally sustainable manner is our top priority, and we have an outstanding track record to prove it.

We focus on building long-term relationships with our clients, we're committed to working with you for the lifecycle of your project and beyond.

### Who We Are

Enerven, an SA Power Networks Company, provides a range of construction and maintenance services, including fibre installation, to clients both within SA and nationally. We believe innovations and technology will continue to drive efficiencies, but no more so than the experience, knowledge and capabilities of our people.

### Contact Us

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