

## Case Study

# Bungala Solar Farm - Stage One & Two

### Project Details

**Client name**  
ElectraNet

**Start date**  
March 2017

**Completion date**  
July 2018

**Contract model**  
Design & Construct

**Contract value**  
\$35M

**Skills demonstrated**  
Enerven has leveraged its key capability in project management, design, procurement and logistics to ensure the on time and on budget delivery of this project. We have managed a strong delivery function to ensure compliance with all of ElectraNet's requirements.

**Stage One and Two of the Bungala Solar Farm, will provide 220MW from 840,000 panels and cover 800 hectares of land.**

### The Customer

ElectraNet delivers safe, affordable and reliable solutions to power South Australian homes and businesses. Their transmission network is a crucial part of the electricity supply chain and is used to safely deliver electricity throughout South Australia including regional and remote areas. ElectraNet specialise in asset and project management, contract management and their clients include SA Power Networks, Enerven and large directly connected clients.

### The Opportunity

With the focus on renewable energy and South Australia's abundance of solar resource, it is no coincidence that developers are flocking to the state to build their solar farms. The 200MW Bungala solar farm represents the first large scale solar farm constructed in South Australia, with the developers reaching financial close in March 2017.

The project is located 13km North East of Port Augusta and connects to ElectraNet's high voltage transmission network via a dedicated 132kV line between Davenport substation and the solar farm. This electrical infrastructure is owned and operated by ElectraNet under a long term contracting arrangement with Enerven constructing it on ElectraNet's behalf.

### The Solution

Enerven's scope of work for the 200MW Bungala Solar farm involved the design and construct of all the high voltage electrical infrastructure. This included the augmentation works at ElectraNet's Davenport substation, 13km of 132kV overhead lines and a dedicated 132kV to 33kV onsite substation.

Enerven utilised a combination of internal resources and subcontractors to deliver this project. Enerven's core capabilities in design, procurement, logistics, project management as well as safety, quality and environment has been leveraged supplemented by key alliance partners.

At the time of being awarded the construction contract this project represented the largest solar farm in Australia, as well as a major nonregulated construction project for ElectraNet.

Enerven enjoys the opportunity to work with its key customers to ensure the success of their projects and deliver shared results. This project represented a strong demonstration of working collaboratively under a short timeframe to ensure the success of the project.

The project was delivered under an extremely tight timeframe and in a very difficult environment meaning staffing levels and procurement were extremely challenging but the ability to overcome these challenges highlighted the strength and resolve of the team.





## Why Enerven?

Our experience in the market place, combined with the expertise and industry knowledge of our team, makes Enerven's offering second to none - which is why industry leaders such as Oz Minerals, AGL and BHP Billiton trust Enerven with their energy infrastructure assets.

We invest heavily in the best equipment 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 provides construction and maintenance services to clients both within South Australia and nationally, with specific expertise in high voltage infrastructure, and solar and storage infrastructure. We believe innovation 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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Enerven is a wholly owned subsidiary of SA Power Networks operating independently and is the business name used by Enerven Energy Infrastructure Pty Ltd (ABN 31 621 124 909)

Enerven is accredited to AS/NZS ISO 14001 and is compliant to all regulatory requirements. We maintain full compliance with Australian Standard AS/NZ 4801 and have achieved the internationally recognised ISO18001 accreditation.