

Case Study

ElectraNet Maintenance Contract

Project Details

Client name
ElectraNet

**Commencement of first
maintenance contract**
May 1998

**Current contract
commencement**
October 2016

**Enerven locations supporting
the contract**
Marleston
Elizabeth
Port Augusta
Mt Gambier
Hindmarsh

**Enerven personnel servicing
the contract**
130

Skills demonstrate

- Project Management
- Scheduling
- Crisis Management
- Construction
- Stakeholder and customer management
- Logistics

Enerven have managed a maintenance contract with ElectraNet since 1998 and continue to go above and beyond for them to this day.

The Customer

ElectraNet is a specialist in electricity transmission, providing energy and infrastructure solutions across Australia. Their core business is to build, own, operate, maintain, and develop the electricity highways that transport electricity over long distances, to urban centres and to remote areas. ElectraNet own over \$2.5 billion of electricity assets and have one of the highest network reliability levels in Australia. Today their network is made up of over 5,600 circuit kilometres of transmission lines and over 90 high voltage substations, covering an area of over 200,000 square kilometres. They also own the largest private telecommunications network in South Australia, which facilitates the remote monitoring and operating of the transmission network.

The Relationship

Enerven commenced its maintenance service provision relationship with ElectraNet in 1998, whilst still operating as part of ETSA Utilities under the Construction and Maintenance Services group. Just as we have evolved into Enerven; our Asset Management Services have evolved with the changing needs of the power industry and that of our client.

A **collaborative** approach from a committed team of highly skilled asset management professionals has been the cornerstone of many successful service contracts over the last 20 years, in both construction and maintenance of assets.

This long-term partnership has realised greater value to the client, delivering the best value total asset lifecycle costs, and reducing asset risk using the highest quality safe systems of work.

Asset Management Services

Our range of services is as varied as the assets we maintain covering multiple skill sets, disciplines and qualifications. We offer solutions for routine maintenance, corrective maintenance, emergency breakdowns, network events, asset inspections, asset management strategy, engineering, design, construction and augmentation.

Substation Maintenance

Routine and Corrective maintenance of Circuit Breakers, Instrument Transformers, Isolators / Disconnectors, Transformers & On Load Tap Changers (OLTC), Secondary Protection systems, Control and SCADA systems, DC supplies, Property services, NGM metering and calibration, HV testing of assets and insulated equipment / tools, Asset refurbishment, Live insulator washing, HV switching, condition monitoring.

Transmission Line Maintenance

Major Incidents, Bushfire prevention, Stobie pole & lattice tower repairs/ replacements, Live Line & Bare Hand maintenance, replacing insulators, fittings & hardware, conductor replacements/stringing, Live



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insulator washing, Earthing systems, Joint resistance testing, Lindsey-Emergency Response Structures(ERS), Decommissioning & removal of assets, condition monitoring.

Asset Inspections

Routine inspection of lines, substation, weather stations and communications sites and towers including fall arrest inspection and installation. Using visual and non-destructive testing inspection methods. We have technicians qualified in the use of thermal imaging, ultra sound and UAV.

Construction

Substation builds (Greenfields and network augmentation), Renewable energy connection solutions, Transmission line construction and refurbishment, civil works, Decommissioning and removal of assets. Design and Project Management.

Our Commitment

Enerven have always been there for ElectraNet - from Mt Gambier to Port Lincoln to Pimba and everywhere in between, rain, hail or shine, day or night, when ElectraNet need us, we are there. Our greatest example of this has to be the state-wide blackout South Australia experienced in 2016. The blackout was caused by severe and wide-spread weather conditions, which the Bureau of Meteorology described as being the worst in 50 years. Over 100 employees were coordinated and deployed to provide an emergency response unit to repair 22 fallen structures, which occurred on three critical transmission feeders during the storm.

Our employees worked around the clock in extreme conditions to ensure power was restored to the State safely. Temporary and replacement transmission towers were brought into South Australia from interstate to eventually replace the 22 towers severely damaged by strong winds, and on average power was restored to customers within 16 hours.

We support our client's goals and vision to be a leader in Transmission Network Service Provision and we do this by providing industry best practice Asset Management Services.





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.