

Embedded Networks

Enerven Embedded Networks create significant efficiencies, opportunities and savings for developers, network owners and consumers alike.

An embedded network is a private electricity network that serves multiple customers. It is connected to the national grid through a single connection point, and is operated by a party known as the embedded network operator (ENO).

At Enerven, our solution is distinctive. We can provide our customers with a holistic solution covering all aspects of engineering, construction, connecting and operating a private network. We pride ourselves on being a trusted and dependable partner that can develop an embedded network solution that meets our client's specific requirements.

Our commercial, industrial and residential solutions deliver reliable and affordable energy as an alternative to the traditional market mechanisms. Our innovative approach centres on using new technologies, which integrate seamlessly to create distribution systems that meet the energy needs of our evolving society.

Within our embedded networks, end-users join a more sustainable, independent network, generating, storing and selling renewable energy outside the traditional market retailers' networks. They reduce infrastructure costs and ultimately provide the end-users with the most economical energy solution.

The requirements of each electrical network differ greatly, and a tailored approach is vital to delivering the right solution and ultimately deploying appropriately sized infrastructure. Our team's experience, knowledge and skills, allows us to develop the most suitable, sustainable and effective embedded network solution possible; and as a subsidiary of SA Power Networks, we have a strong history and track record, which makes us the ideal partner for creating your embedded network.

Designing, building and running embedded networks requires specialised skills and expertise, and Enerven has the resources and the experience required to deliver on all disciplines. We are highly skilled in all aspects of high and low voltage installation, maintenance and termination, including live line, glove and barrier and bare hand operating techniques.

Our collaborative approach ensures that you receive the most suitable, sustainable and efficient solution tailored to your specific needs.

Our Capabilities

Enerven creates, operates, optimises, and maintains private electricity networks, including engineering the solutions.

These capabilities apply to microgrids, energy storage solutions and vehicle charging stations.

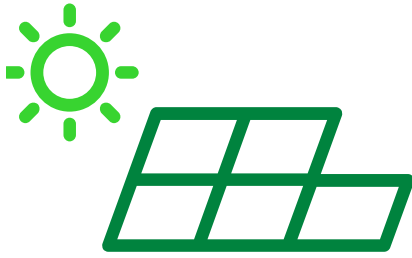
Our capabilities include:

- Sub-transmission and distribution planning and design
- Power system protection, asset augmentation, and load flow analysis
- Asset condition monitoring and inspections
- Reliability management including emergency response
- Programmed maintenance
- Construction and commissioning
- Live line, glove and barrier, and bare hand HV and EHV techniques
- Protection and control of asset

We build strong relationships with our project partners and work alongside them to develop the most suitable embedded network solution possible.

Our capabilities allow us to deliver complete turnkey packages on behalf of clients, or assist with specific project elements.





Our Services

- Governance - Business, regulatory, compliance advice, auditing and systems
- Electrical network design and construction
- Network operations and maintenance
- Network ownership
- Jurisdictional and national regulatory roles (including Distribution Licence Holder, Embedded Network Operator, Embedded Network Manager, Metering Coordinator)
- Distributed Energy Resource solutions (solar PV, storage and generation)
- Energy optimisation
- Energy management systems
- Energy re-selling

Why Enerven?

We develop solutions with customers and communities to enable them to choose, create and adapt how they connect with, make, store and use energy, on their terms. Enerven began as a division of SA Power Networks¹ and over fifteen years, has grown to be a market leader.

We pride ourselves on thoroughly understanding each project and client's needs and we work with you to create a tailored solution that fulfils and exceeds expectations.

Our extensive experience in the industry make us a reliable player in the market with a service offering that is hard to beat.

Building on the 100-year foundation, Enerven is a proven expert in the development of major infrastructure, energy and telecommunications solutions.

Proactive, Collaborative, Dependable

Our values are the DNA of our business. They embody what we stand for and focus firmly on our customers' needs to accomplish long term, sustainable improvements that are reliable, maximise profitability and minimise costs.

Further to this, everything we do is underpinned by an unrelenting focus on safety and wellbeing.

We build our customers' vision. Our driving ambition is to connect you with tomorrow.

Who We Are

Enerven provides construction and maintenance services to clients both within SA and nationally. We believe innovation and technology will continue to drive efficiencies, but no more so than the experience and knowledge of our people.

Contact Us

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¹Enerven 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