

Enerven Solar & Storage

Enerven makes the process of sourcing energy from the sun easy. We have a strong track record delivering solar and energy storage solutions for businesses such as utility-scale customers, large industrial companies, defence and mining clients.

We have access to a significant resource pool, covering all disciplines required for complex technical projects.

This means our dedicated team has the skills and experience to design and deliver the custom solution you need, rather than providing standard packages available on the market.

Our strong supplier networks enable us to bring experienced, pre-qualified service providers on-board quickly, resulting in a project delivery that is smooth, efficient and above all safe; aligning with Enerven's stringent quality and safety standards.

Enerven's Solar & Storage team provides turnkey solutions to customers who are looking to reduce their energy costs, future proof their business, or add green credentials to their organisation's corporate image.

Our services include designing and constructing industrial rooftop and ground-mount solar PV, standalone storage applications, High Voltage works, power factor correction, microgrids and solar farms.

Our focus is to develop the best solution for each business' individual needs; dedicating time to analysing our customer's unique situation, market environment and energy habits - both current and expected - and then build a tailor-made solar and/or storage energy system to suit.

We provide an end-to-end solution for our clients, from initial advisory and design through to construction, connection and maintenance. Our profoundly qualified group of experts have the industry knowledge, combined with problem-solving capabilities and experience to consistently deliver to our customer's expectations.

From concept to commissioning, Enerven is your trusted collaborator through the whole life cycle of the project.

Our Capabilities

Enerven has the capabilities to deliver cost-effective energy solutions; from initial concept design through to commissioning and verification of the system. In-house design comprising DC, High Voltage AC, Automation (SCADA), Earthing, and Connection Agreements. Having these skills in-house enables Enerven to deliver the full scope of your project requirements.

We have proven experience in delivering large-scale solar and storage programs of work, developing detailed designs that can be applied across an entire program. Using a "core" design across the program allows individual projects to be streamlined and fast-tracked as efficiencies are made in the removal of timely design reviews. This methodology allows a shorter design period, kick-starting construction earlier, and ultimately resulting in fast-tracked practical completion of projects.

Enerven seamlessly move from design to construction as we have extensive experience in the construction of transmission and distribution networks. Applying these concepts to large-scale solar & storage projects is no different. Our established relationships with construction partners enables an efficient transition to project delivery.



Our capabilities continued...

Enerven ensures that all parties involved in the project are accountable and all deliverables required are executed to our high standards.

For large-scale solar and storage projects a connection process is undertaken with the Network Service Provider (NSP) to connect to the electricity grid. This process is complex and involves multiple parties coming to an agreement to obtain the connection agreement. Enerven are experts in facilitating this process, from initial registration of the system through to the final R2 Testing; verifying the generating system's capabilities against the model. Our client's take comfort in our ability to negotiate an agreement which suits their requirements.

Our Services

- Concept and detailed design
- Construction reviews
- Construction management
- Installation and construction
- Testing and commissioning
- Hazard & operability studies (HAZCON, HAZOP)
- Site surveys including; Geotech, soil resistivity, Flood analysis

Facilitation and management of:

- Network connection agreements
- Asset maintenance and cleaning
- Asset data collection, monitoring and reporting
- Energy auditing

Design and construction of:

- Industrial rooftop solar PV systems
- Ground mount solar farms
- Energy storage systems
- Power Factor Correction
- High Voltage works

Safety and Environment

The safety and wellbeing of our people, customers, and the community is our number one priority. For us, it's not just talk - it's action. We are registered with WorkCover as an accredited self-insurer under the WorkCover Rehabilitation and Compensation Act 1986. We maintain full compliance with Australian Standard AS/NZ 4801, and we have achieved the internationally recognised ISO18001 accreditation.

Enerven takes great care in developing detailed Safety in Designs (SiD) to identify all possible hazards that are present for a project and their associated risks classified. The SiD process ensures that all risks are analysed and given corrective action if deemed unacceptable, either by removing the risk altogether or providing an engineered solution to minimise it. Our plant, tools, and equipment are constantly checked, serviced and maintained, to ensure our staff are safeguarded on the job.

We are committed to best practice, and our employees are dynamic members in numerous industry bodies including Engineers Australia, and the Australian Institute of Energy (AIE). By contributing this way, we guarantee that we stay at the front line of improvements in design and construction, and can implement these enhancements in our projects.

We work closely with you to create the right approach for your circumstances and requirements. We always develop a tailored solution that delivers exactly what you need.





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 fulfills 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