

Fibre Capabilities

**Let us connect you:
Simply. Quickly. Smartly.**

As leaders in the field of fibre installation, Enerven can deliver you innovative and practical solutions to suit your needs. We have teams of experienced and skilled technicians who are experts in providing outstanding results. We use the latest technology and our considerable market presence, to connect you: Simply. Quickly. Smartly.

**“The latest in technology
meets Industry expertise.”**

Underground Fibre – We’re going places.

Underground fibre hauling and splicing is used extensively in dense urban environments, like central business districts (CBDs); but this type of fibre roll-out is also used in suburban and rural environments too.

With around 40 experienced staff across both hauling and fibre teams, Enerven has a strong presence in this field. From small to large projects, like the NBN rollout, we have installed approximately 25,000kms of underground fibre: And counting!

Aerial Fibre – A birds-eye view.

All Dielectric Self-Supporting, or ADSS, is a kind of optical fibre cable that is strong enough to support itself between structures, without the use of conductive metal elements. It is frequently used by utilities companies for



communications, and is installed across existing overhead lines. It has been ideal for installation in distribution, as well as transmission environments. This cable can either be installed in the power or the carrier windows of power poles. Enerven has deployed 3,000kms of ADSS cable in South Australia alone, utilising a team of 10 splicers and 8 installers that deliver projects on time, and to budget.

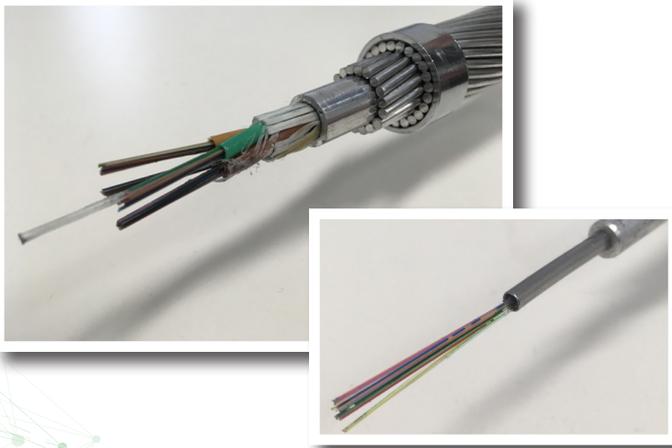
Did you know ?

**Our fibre installations stretch from
Adelaide to Perth, 10 times over,
that’s 25,000kms !**

Optical Ground Wire (OPGW) – For faster data transmission.

Optical Ground wire, or OPGW, is a kind of cable that is used in overhead powerlines. These cables combine the functions of grounding and communications. An OPGW cable is made up of a tubular structure with one or more optical fibres, surrounded by layers of steel and aluminium wire. The optical fibres within this cable can be used to transmit voice and data at high speeds. The conductive part of the cable bonds adjacent towers to earth ground and it also shields high-voltage conductors from lightning strikes.

Our skilled field staff are all experienced in OPGW enclosure preparation and splicing. We have delivered over 1,000kms of OPGW splicing and testing on numerous projects throughout the states of South Australia and Victoria: Arguably making us the most experienced OPGW workforce in SA.



Mini Fibre – Tiny technology. Big impact.

Mini fibre is most often used in installations where the pit spacing is up to 4kms apart. Multiple carriers can share one fibre sheath, but they can also break their own tubes into individual splicing pits. This means that cables can be redirected by simply connecting the tubes! As specialists in this field in South Australia, we have an expert team who are trained and experienced in the installation of water-jetted mini-fibre cables, and bundled blown fibre. With projects delivered for SA Power Networks and ElectraNet, we have installed over 180kms of mini fibre: Easily making us specialists in this field.

4X4 Splicing vehicles: Overtaking our competition.

Often encountering rough terrain, we build a bridge to areas that others cannot reach. Our 4X4 splicing vehicles are equipped to go beyond the borders of our competitors' limitations: Taking you places most would say is impossible.

The People. The Skills. The Technology.

Having the latest in technology means nothing without the people and the skills to deliver: We have it all. With expert teams utilising methods at the forefront of technology, we can provide you with all you need: Surpassing expectations and ensuring success, every time.

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



An SA Power Networks Company

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