Introducing Lightspeed Communications & Electrical
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Established in 2001, Lightspeed Communications & Electrical has evolved to become one of Australia’s leading specialists in the design, installation and maintenance of structured cabling and fibre optic communication networks.

As a privately owned Western Australian-based business, our quality services are recognised amongst leaders in the manufacturing, construction, telecommunication and mining industries throughout Australia.

Our team of highly skilled technicians have more than 25 years combined experience in the design and implementation of communication networks, ranging from office fit outs to complex fibre optic networks.

Our focus on excellence, attention to detail and our flexibility has contributed to our reputation as leaders in this niche field.

Our commitment to you

Lightspeed Communications & Electrical is dedicated to providing businesses of all sizes with smart communication networks which exceed client expectations. By using our experience, design capability, skills base and supplier relationships, we pride ourselves on delivering first class systems on time and to budget.

We are committed to continuous improvement and achieving excellence in everything we do.

Our core services

Drawing on a history of innovation and industry expertise, Lightspeed Communications & Electrical’s services are structured to deliver outstanding results across six key areas.

Occupational Safety and Health

We have a culture that promotes Occupational Safety and Health through leadership, training and development. We strive to provide a safe and healthy workplace - free of occupational injuries, illness and drugs.

We conduct our business in a way that protects and enhances community, safety, amenity and the natural environment.
Design consultancy

The design phase is the critical first step for any communication network. This stage provides the important foundation to ensure outstanding performance, reliability, manageability and potential for growth.

Lightspeed Communications & Electrical has a team of highly experienced project managers who ensure new installations are designed with the most appropriate and cost-effective hardware to meet system requirements.

Installations are planned using the latest computer software to provide detailed drawings and planning documentation which are carefully scrutinised to ensure their efficiency and cost-effectiveness. These specifications are also crucial for future maintenance and alterations.

“... highly experienced project managers ensure new installations are designed with the most appropriate and cost-effective hardware to meet system requirements”

Lightspeed specialises in:

› Strategic network planning
› Product selection and analysis
› Network design and engineering
› Detailed design and drafting
› Streamlined installation with other on-site trade service companies
Structured Cabling

A structured cabling system provides the platform upon which an overall information system is built, making it a critical component for any business.

Lightspeed Communications & Electrical has vast experience in building flexible cabling infrastructures which support multiple voice, data, video and multimedia systems.

In a rapidly advancing information age, it is vital to install the correct communication infrastructure. As such we pride ourselves on being at the forefront of the latest cabling technologies.

In this area, we specialise in:

› Design of structured cabling systems
› Supply and installation of voice and data networks
› Cable moves, cable adds and cable changes to existing cabling infrastructure
› Cable patching and patch panel installations
› Certified installations of vendor-specific network infrastructure
› Telephony cabling
› Installation of Cat5e, Cat6, Cat6A, STP and FTP Solutions
› Auditing

Lightspeed Communications & Electrical is able to provide a comprehensive service for businesses which require electrical work to be completed during infrastructure renewal or expansion.
We are able to offer our clients a one-stop service for all communications and electrical requirements.
Fibre Optics

Lightspeed Communications & Electrical can supply, install and test all fibre optic cables and networks. Whether the requirement is for a small point-to-point connection, a large fibre backbone network for an office or plant, or a multi-camera CCTV installation, our team can ensure the best network is installed at an affordable cost.

Lightspeed specialises in:

- Fibre optic cabling installation and termination
- Installation of fibre between buildings, computer rooms, and key areas of any network mainframe
- High-rise backbone fibre installation
- Fusion splicing
- Optical Time Domain Reflectometer (OTDR) testing
- Fibre optics for remote location, including offshore platforms and mining infrastructure
- Fibre optic accessories
- Other specialist fibre requirements

Mining and Resources

Lightspeed Communications & Electrical undertake project and service work to remote sites, both offshore and Australia wide.

LCA specialist team are able to mobilize at a moment’s notice to provide solutions in time critical environments, as well as planned infrastructure builds or upgrades.

Lightspeed remote sites capabilities:

- Fibre Optics – Installation, Termination and testing of underground, above ground and OPGW works
- Structured Cabling - Cat5e, Cat6 and Cat6A for construction, plant facilities, camps and administration
- Communications Infrastructure - installation or upgrade of pit and pipe, cable support path ways and communication room builds
Maintenance

Once a cable system has been constructed, it must be well maintained to ensure the highest level of network availability. Lightspeed Communications & Electrical is able to provide the specialist equipment, resources and knowledge to maintain your network. In addition, our certified technicians have the expertise to swiftly repair infrastructure in the event of a cable fault.

Lightspeed Communications & Electrical also operate in a consultancy capacity to give strategic and practical advice for the improvement and repair of current or ongoing system faults or downfalls.

In this area, we specialise in:

› Supply of data cabling testers (up to 10 Gigabit) and phone cabling testers
› Locating faults, including breaks or system loss in optic fibres
› System and cable maintenance
› Network improvement advice and consultancy

“Lightspeed Communications & Electrical is able to provide the specialist equipment, resources and knowledge to maintain your network.”

Carrier Services

As well as metropolitan and remote site works Lightspeed also offers support to the major telecommunication carriers of Perth.

Lightspeed Communications & Electrical provide sub-contractor services for telecommunications carriers, providing both labour and equipment hire as well as project based works.

› Installation, termination and testing of carrier grade fibre optics
› Remote hands installation of carrier equipment
› Installation of customer side equipment and Infrastructure
Our Customers

Lightspeed Communications & Electrical has a broad customer base ranging from small businesses to multi-national corporations. We undertake work in both metropolitan areas as well as remote sites, both Australia wide and offshore. All clients are assigned an experienced project manager to ensure consistency and to maintain one-on-one contact between the client organisation and on-site personnel.

“Joseph Arrigo and his team are clearly passionate about their profession and the quality of their work... and I would highly recommend their services”

Some of our clients include:
- AGC Industries Limited
- Amcom Telecommunications
- Barrick Gold Of Australia Limited
- Byrnecut Australia Pty Ltd
- City of Fremantle
- City of Perth
- Civmec Construction and Engineering
- Cooperative Bulk Handling Limited
- Dept of Agriculture
- Energi Metals Group
- Energy Developments Pty Ltd
- John Hughes
- Logic Networks
- Newcrest Mining
- OSH Group Pty Ltd
- Patricks Terminals
- Ventura Homes
- Way Electrical
- Wesfarmers
- Westral

What our customers say about us...

“Lightspeed is regularly more responsive than I expect, frequently provides pro-active advice to avoid us making potential mistakes in the longer term. As service levels generally appear to be on the declining in most areas of day-to-day life, people are becoming more accepting of bad service or expecting it. I find Lightspeed does what I hope to expect vs. might be happy with.

Jeff Knuckey, IT Manager Byrnecut Mining

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Telephone: +61 8 9200 6226
Fax: +61 8 9242 3676
Email: info@light-speed.com.au
Web: www.light-speed.com.au
Address: PO Box 3309 Yokine WA 6060
EC number: 10632