



ELECTRICAL SERVICES

Our Electrical Services Unit delivers comprehensive solutions for all types of electrical networks in infrastructure and development projects, including public lighting, underground cabling, metering, high voltage distribution services and microgrids.

Low Voltage

- Installation, repair and maintenance of industrial equipment
- Efficient commercial and domestic installation/maintenance
- Whole utilities network install, from transformer distribution to LV kiosk to street lighting

Of note, we are specialists in providing lighting solutions including public and private lighting construction and innovative smart lighting.

High Voltage

We are experienced in high voltage cable laying and jointing and testing for major projects, industrial estates and land developments.

Substation Services

We have the capacity to offer both electrical and civil substation construction services. We also provide electrical and civil construction either as either standalone services or combined in the one bid.

Earthing Systems

The installation of earthing systems will be performed by our qualified and experienced technicians, who will also carry out scheduled inspections and undertake any ongoing maintenance requirements.

Lighting Solutions

Our lighting solution projects include, but are not limited to, road lighting, park lighting, public spaces, sports facilities, car park and security lighting. We provide lighting solutions and installations for a range of clients including local and state governments, civil contractors and private land developers.

Our Electrical Services Team has the capabilities to provide whole-of-project-life management services, from design and construction through to asset management and maintenance. We can also provide energy analysis and recommendations on initiatives to improve energy savings.



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Our Lighting Solutions capabilities include:

- Lighting consultation, lighting audits, design and planning, construction, maintenance and asset management
- Fault finding and rectification
- Large-scale replacement of traditional globes
- Replacement of existing luminaire lighting to Smart LED lighting
- End-to-end project management including contracting, pricing, administration and reporting
- Design, provision, installation and management of smart lighting solutions (integrated communications and lighting technology)
- Design, provision, installation and management of solar lighting.
- Energy analysis and consultation

Temporary Power Solutions & UPS

Our experienced team can provide equipment and power solutions that are easily accessible and affordable. We also offer full turn key solutions for your UPS power installation. If you need emergency power or need to complete a substantial project, we can provide you with reliable UPS hire services. Our services run for short, medium and long term rental periods and can also be customised to meet your specific requirements.

Compliance Testing

We can provide you with a range of critical services to ensure your business maintains operations and that your systems meet with regulatory requirements.

These critical services include:

- Testing and tagging appliances
- RCD testing
- Exit and emergency light testing
- Thermographic testing
- Lighting maintenance
- Testing and Commissioning
- PD, Tan Delta, online & offline monitoring
- Cable testing including VLF
- Protection relay programming and testing
- Generator testing and commissioning
- Switchboard testing and commissioning including GIS
- Protection scheme testing, primary and secondary including differential and distance
- Transformer testing, oil sampling and oil filtering
- Thermal imaging
- Full functional scheme testing of any high or low voltage installation
- CT and VT testing
- Earthing system testing
- Step and Touch potential testing
- Test equipment hire long or short term
- Circuit breaker maintenance and repairs
- Transformer maintenance and repairs
- Switchgear maintenance and repairs
- Transformer tan delta testing and PD
- SF₆ gas filling and analysis
- Remote end-to-end secondary injection testing
- Automatic transfer scheme testing
- TX diff and REF primary injection testing



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