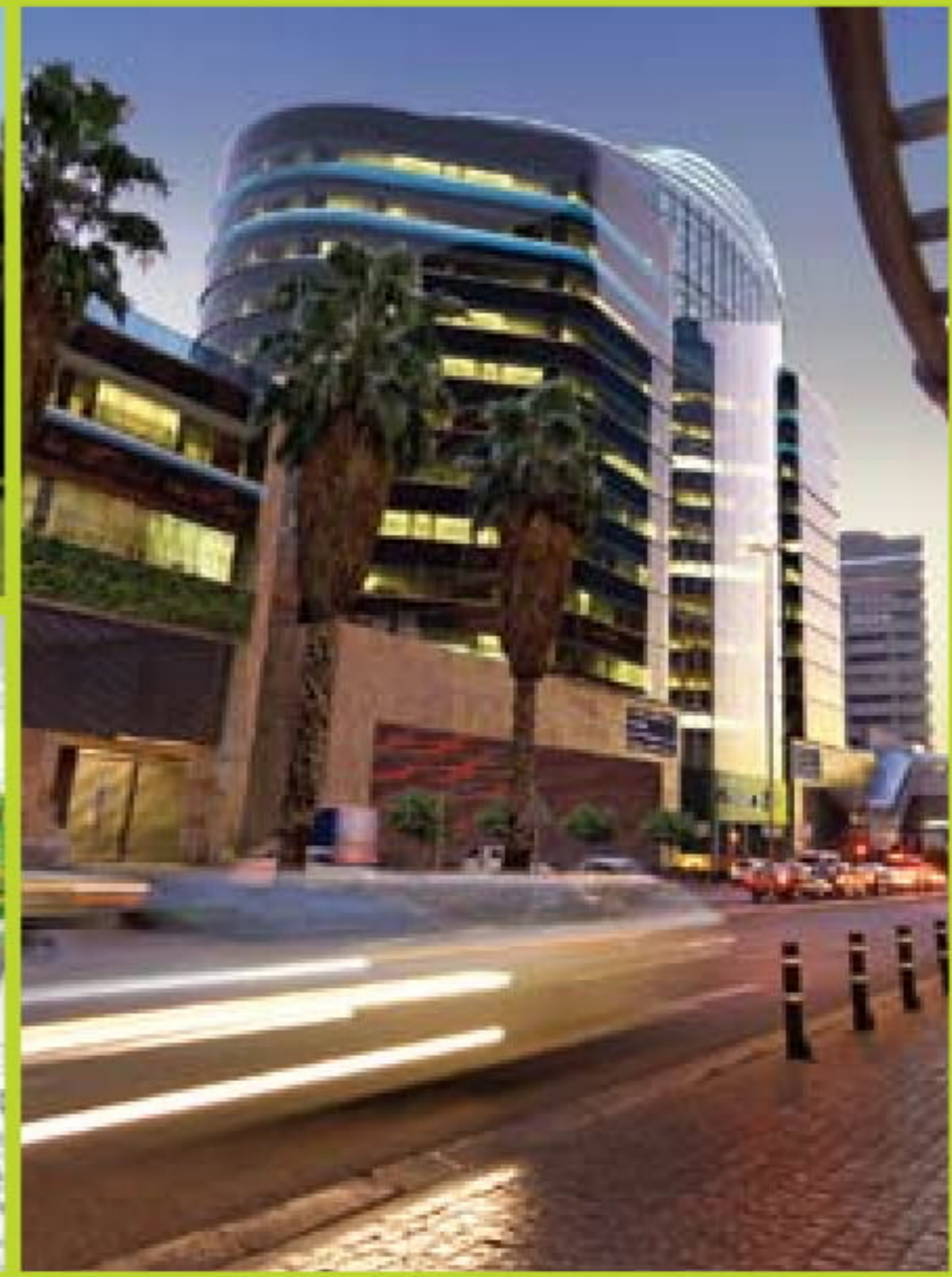


**Quality
Electrical and Data
Services**

**Ultimate
Power Solutions**



Quality
Electrical & Data
Services



**PROFESSIONALS IN
ELECTRICAL
REPAIRS & SOLUTIONS**

RESIDENTIAL | COMMERCIAL | INDUSTRIAL

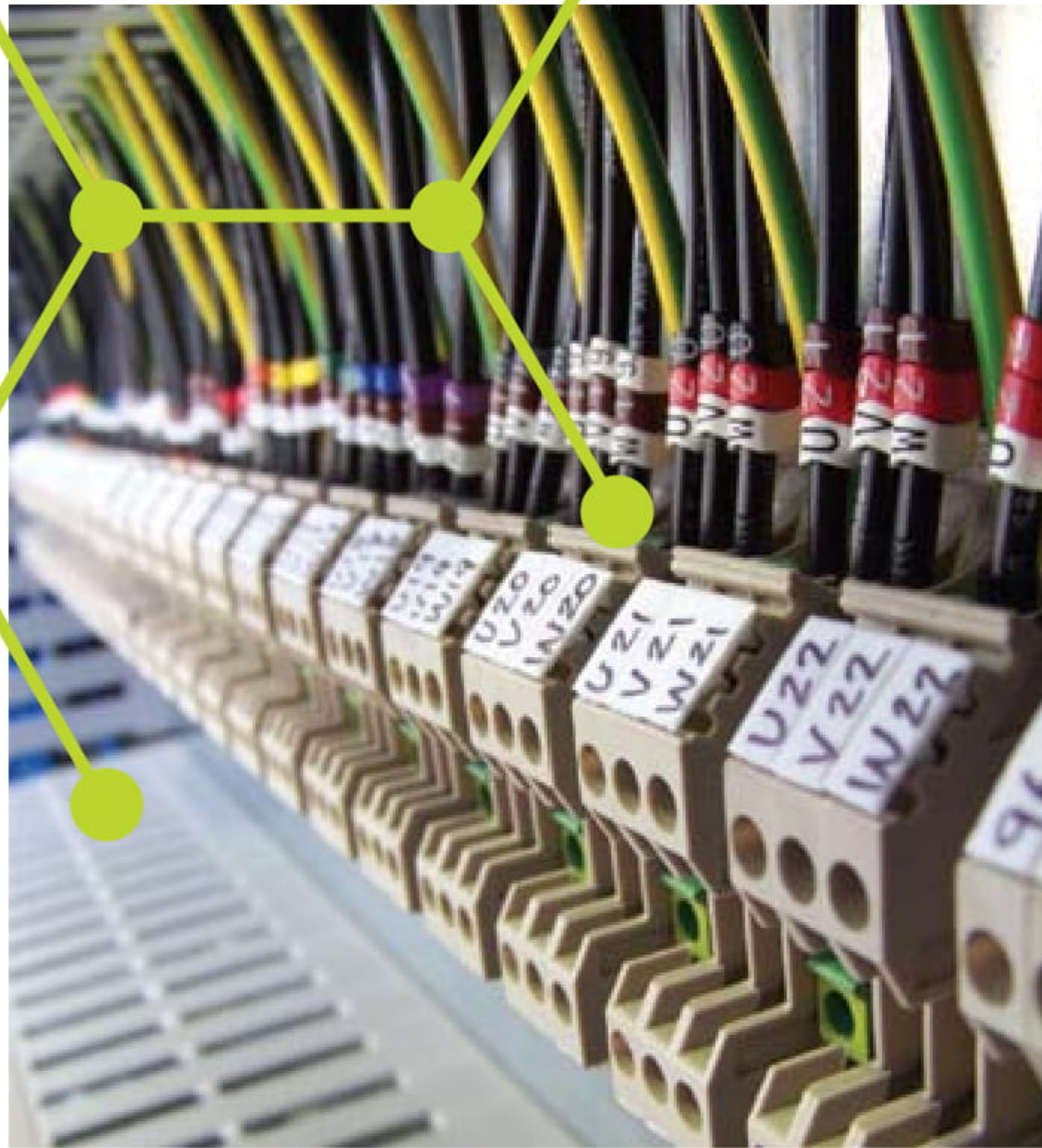
WHO WE ARE

Quality Electrical and Data Services was established in 2014 by Alex Shalkouhi, Electrical Engineer, developed and managed in all fields of Electrical, Data, Security and Solar Systems.

Quality Electrical and Data Services consists of Number employees including Director, a Master Installer Electrician, IT Manager and a Junior procurement officer. Teams include qualified electricians, electrical assistants and general laborers.

Quality Electrical and Data Services is a member of Clean Energy Council for the Electrical Industry of Solar (CEC), registered with Australian Securities and Investments Commission (ASIC) and NSW Fair Trading licensees and are committed to the latest Occupational Health & Safety Act.

Quality Electrical and Data Services have built a reputation for outstanding service and the highest levels of expertise when it comes to all of your electrical requirements.



OUR MAIN SERVICES

- 1 Electrical installations
- 2 Electrical maintenance
- 3 Complete solar solutions
- 4 Fault finding
- 5 Power factor correction
- 6 Energy saving projects
- 7 Complete generator solutions
- 8 UPS and inverter installations
- 9 Certificate of compliance



MISSION STATEMENT

Our unrivalled after-sales maintenance packages, warranties on all workmanship and guaranteed products have led us to fast becoming one of the electrical service leaders in the industrial, residential and commercial sectors across NSW.

Meeting our clients' needs with the highest quality products and market-leading service is what we live by and the reason you should choose us for your next project.



ELECTRICAL INSTALLATIONS

The fixed electrical installation is the electrical wiring, electrical machinery and electrical components that are fixed to a building. Installations include, for instance, fuse boxes, solar or generator installations, ceiling lights, power sockets, large items of machinery termination.

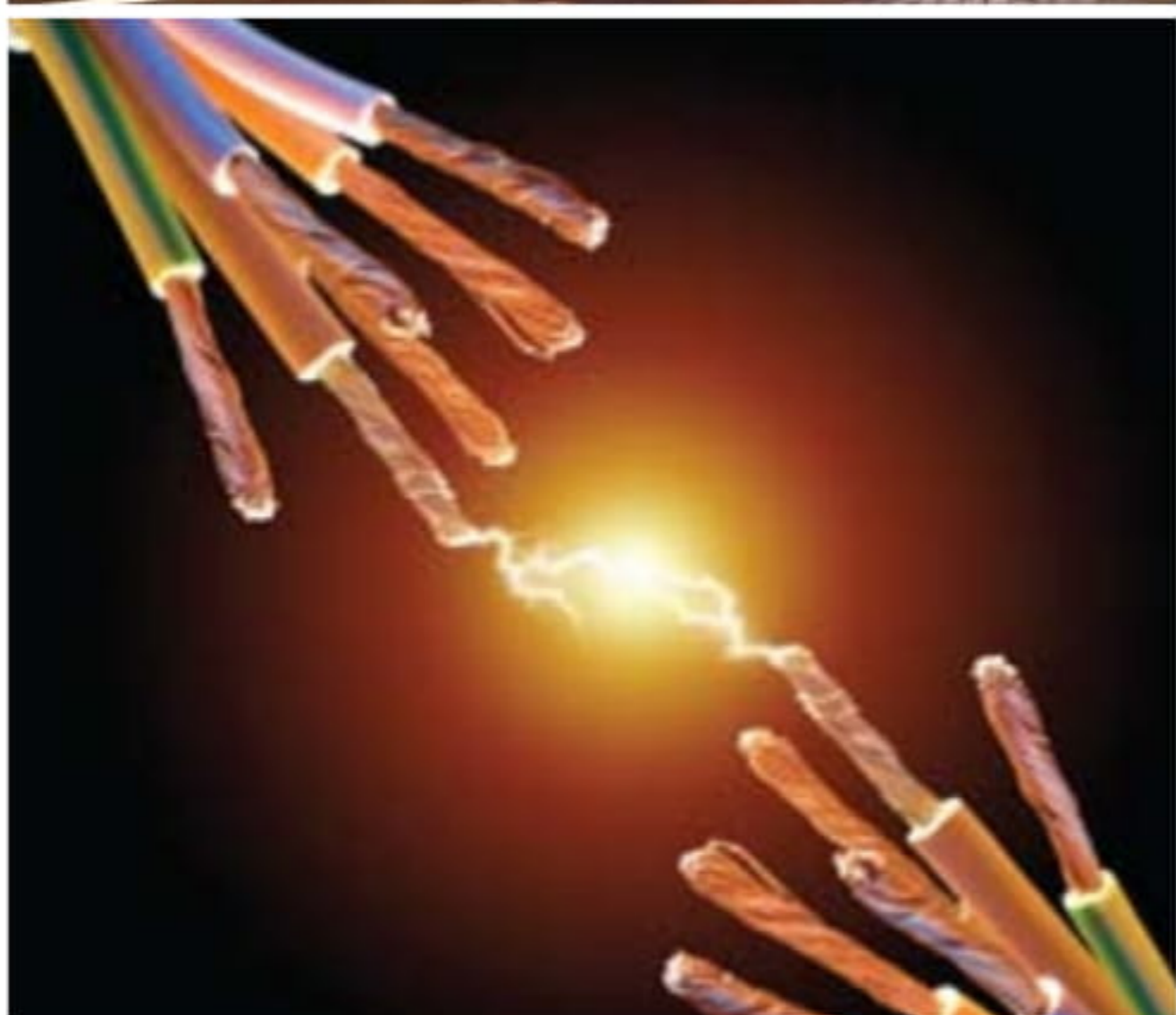
Quality Electrical and Data Services will plan and design, select and install, commission, test, report, maintain, fault find and repair systems to a high standard. Work organization and self-management, communication and interpersonal skills, problem solving, flexibility and a deep body of knowledge are the universal attributes of our electricians.



ELECTRICAL MAINTENANCE

Maintenance involves fixing any sort of electrical device should it become out of order or broken (known as repair, unscheduled, or casualty maintenance).

Electrical maintenance means the care and checklist of electrical equipment/instruments to avoid any breakdown or fault. To tighten all electrical connections, to upgrade the power rating of safety-switches is also a part of Electrical Maintenance.

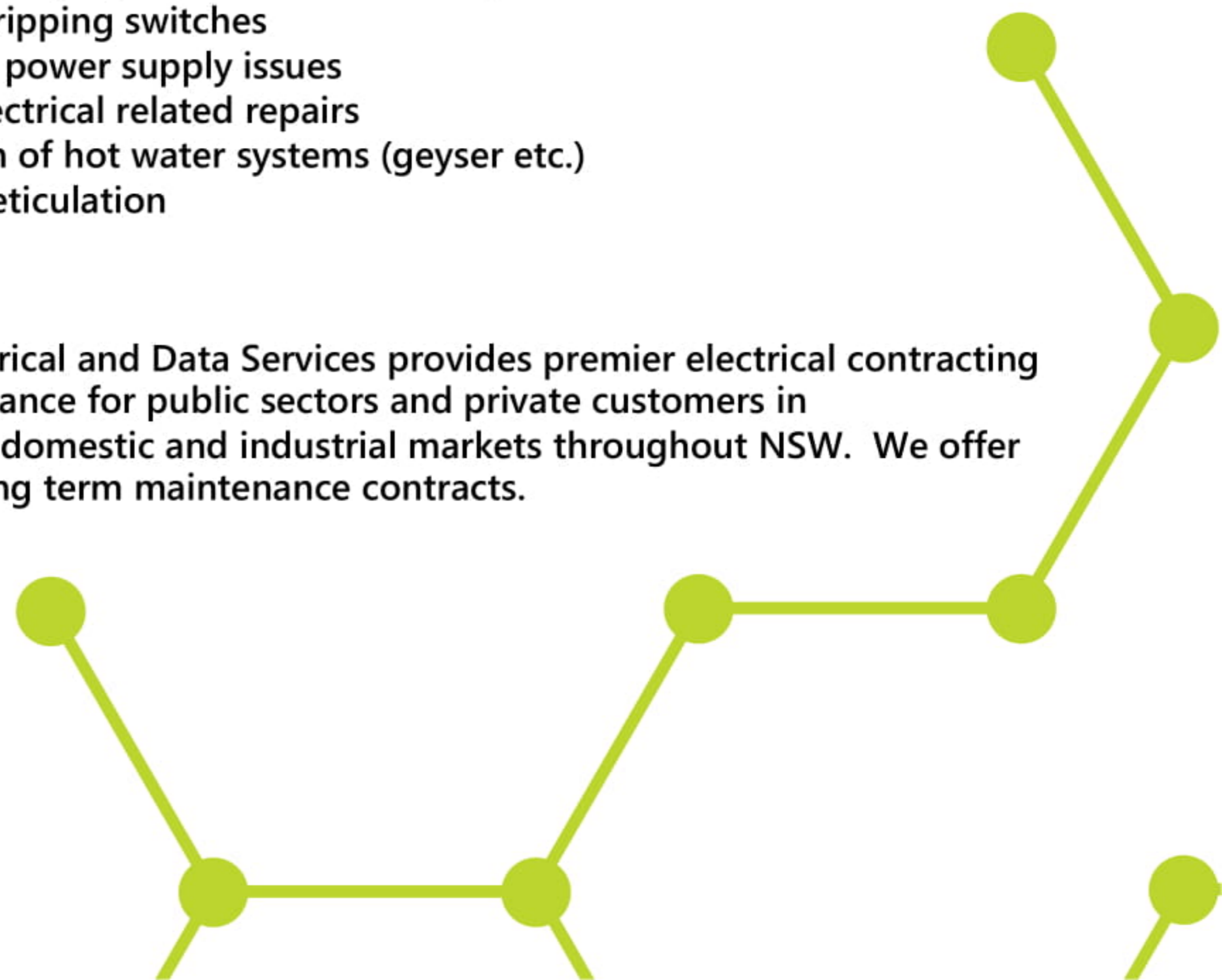


Electrical maintenance services offered at all levels, industrial, commercial and residential. Below are indicators on what our work involves.

- Electrical re-wiring of houses, office blocks and industries
- Fault finding and repair of fault
- Repair of faulty lights, switches and plugs
- Repair of tripping switches
- Assist with power supply issues
- General electrical related repairs
- Connection of hot water systems (geyser etc.)
- Electrical reticulation



Quality Electrical and Data Services provides premier electrical contracting and maintenance for public sectors and private customers in commercial, domestic and industrial markets throughout NSW. We offer short and long term maintenance contracts.



FAULT FINDING

Fault Finding is the investigation of the cause of malfunction in machinery, especially electronic equipment.

The following is a concise list of typical faults that are the most common causes of a circuit ceasing to operate correctly:

- Loss of supply
- Earth fault
- Dead short
- Correct protective device in place
- Defective components
- Breakdown of control circuits
- Reversed polarity
- Initial faults on newly installed work
- Phase rotation

POWER FACTOR CORRECTION

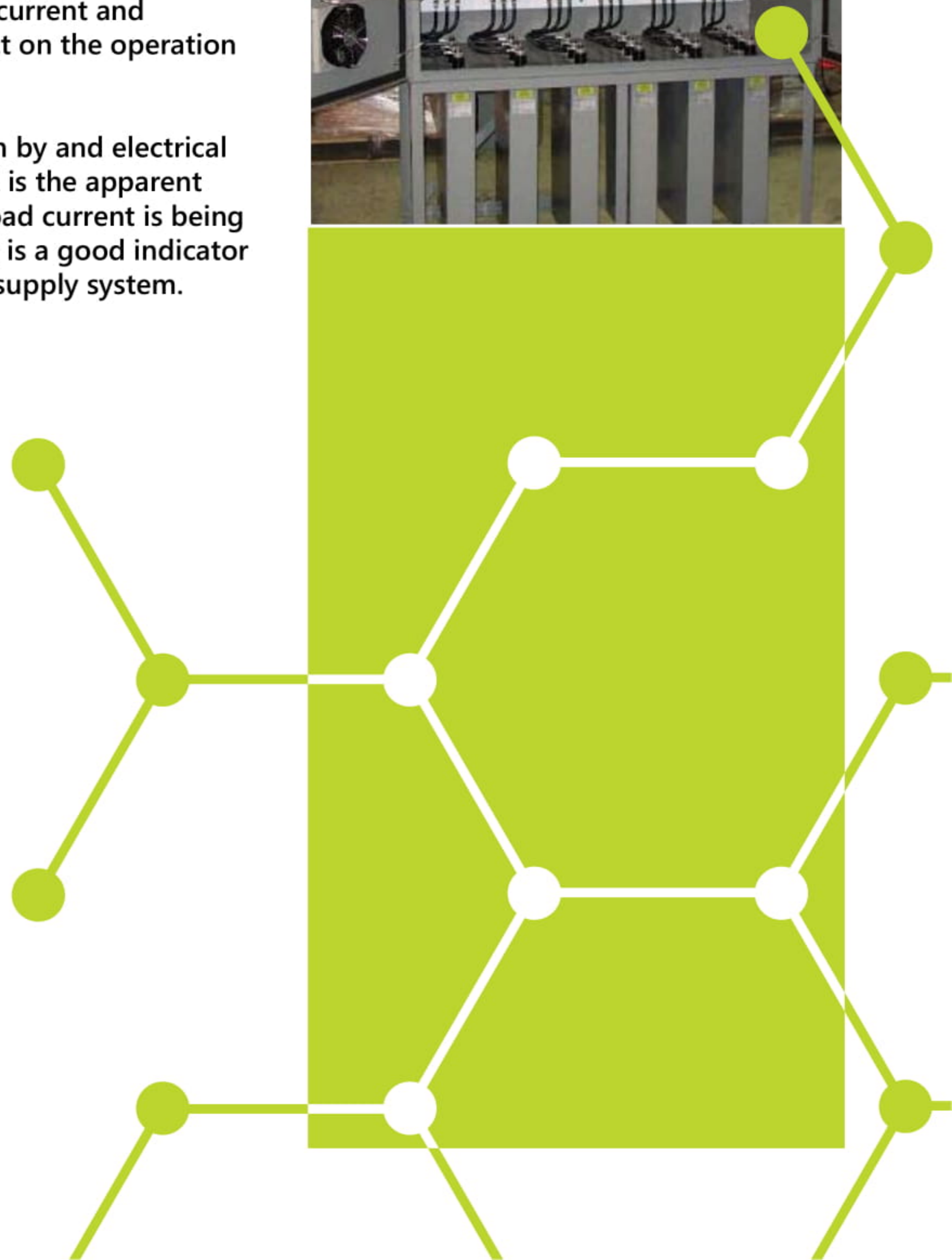
Power factor correction (PFC) is a newer technology used in computer power supplies. PFC is applied to the circuits that include induction motors as a means of reducing the inductive component of the current and thereby reduce the losses in the supply. PFC has no effect on the operation of the motor itself.

Power factor is the ratio between KW and the KVA drawn by and electrical load where the KW is the actual load power and the KVA is the apparent load power. Simply it is measure of how efficiently the load current is being converted into useful work output and more particularly is a good indicator of the effect of the load current on the efficiency of the supply system.

Before offering a solution to our customers, Quality Electrical and Data Services takes the necessary

electrical measurements of your network. This allows us to better understand your power consumption and power factor constraints and ensures that our offer is based on sound and accurate information. We also consider physical constraints when submitting a proposal.

We minimize downtime incurred as a result of the installation of our equipment, through careful planning and consultation with our customers. After the required hardware is installed, you will notice an immediate improvement in power factor, a more efficient use of your available electrical power and of course monthly savings in your electricity bills.





Clean Energy Council

ACCREDITED

WE OFFER COMPLETE SOLAR POWER SYSTEMS AND SOLAR POWER PRODUCTS WITH COMPREHENSIVE ACCESSORIES FOR:

- Commercial & industrial applications
- Private residential buildings
- Public buildings
- Agricultural applications
- Business
- Stand-alone off-grid installations
- Investors

COMPLETE SOLAR SOLUTIONS:

- Solar panels
- Inverters
- Batteries
- PV Mounting parts

Choosing Quality Electrical and Data Service's solar solution is a two-way investment. Firstly, you will save on your monthly electricity bills by reducing or eliminating electricity retailer charges. Secondly a solar panel system adds value to your home or industrial building, you can expect to enjoy a higher sale price due to your property's solar energy system.

SOLAR SOLUTIONS

Quality Electrical and Data Services delivers sustainable energy solutions.

Solar power remains the most secure source of energy for the future. Solar power is the conversion of sunlight into electricity, either directly using photovoltaics (PV), or indirectly using concentrated solar power (CSP).

Photovoltaics convert light into an electric current using the photovoltaic effect. PV were initially solely used as a source of electricity for small and medium sized applications, from the calculator power by a single solar cell to remote homes powered by an off-grid rooftop PV system. As the cost of solar electricity has fallen, the number of grid-connected solar PV systems has grown into the millions and utility scale solar power stations with hundreds of megawatts being built. Solar PV is rapidly becoming an inexpensive, low-carbon technology to harness renewable energy from the sun.

Our competent installers will gladly advise you on all solar technology matters, help you to choose the system that's just right for you and after the installation will offer a comprehensive service.



ENERGY SAVING PROJECTS

Reducing your home energy use is the best of win-win deals - not only does it reduce your carbon footprint, it also saves you money on energy bills. That's especially exciting when you consider that many home and business energy improvements are fast, easy and inexpensive.

Often the savings of an individual project are small, but when you start putting them together they add up quickly.

Quality Electrical and Data Services offers customized Energy Saving Packages. Whether you own a home, industrial or commercial property, there's always a way we can help you with energy saving solutions.

Contact our electricians today for more ideas and better ways you can save.

3 SIMPLE ENERGY SAVING SOLUTIONS YOU CAN IMPLEMENT RIGHT NOW!

1. GEYSER TIMERS AND BLANKETS:

By reducing the number of times your geyser switches on and off during the day and only having it switch on when you need hot water by insulating the geyser against heat loss, you could save between 20% - 30% on your monthly electricity costs.

2. ENERGY & WATER SAVING SHOWER HEADS:

An average shower uses 20 litres of water per minute. That's 100 litres of water for a 5 minute shower. And hot water is about 40% of that. Installing an energy and water saving shower head will cut that water usage by a massive 50% and save you money on water and electricity.

3. SAVE POWER ON STANDBY MULTI-PLUGS:

Appliances using standby power can account for around 10%-15% of your total annual electricity consumption and as we get more and more appliances in our homes and offices, that consumption increases. Now you can save electricity using a Save Power standby Multi-Plug. It automatically switches off all connected accessories at the touch of a button.

GENERATOR SOLUTIONS

An electric generator is a device that converts mechanical energy obtained from an external source into electrical energy as the output. Generators are useful appliances that supply electrical power during a power outage and prevent discontinuity of daily activities or disruption of business operations. Generators are available in different electrical and physical configurations for use in different applications.

Our competent installers will gladly advise you on all generator technology matters, help you to choose the system that's just right for you and after installation will offer you comprehensive service.

COMPLETE GENERATOR SOLUTIONS:

- Generator sales
- Change over panels
- Generator services
- Generator re-fuels

BATTERY SOLUTIONS

A battery is a container consisting of one or more cells, in which chemical energy is converted into electricity and used as a source of power.

COMPLETE BATTERY SOLUTIONS:

- Battery sales
- Battery installations
- Battery replacements
- Battery maintenance



Energizer

ELECTRICAL FIT-OUTS

COMPLETE LED & ELECTRICAL FITTING SOLUTIONS



CERTIFICATE OF COMPLIANCE

“Certificate of Compliance” means a certificate with a unique number obtainable from the chief inspector issued under the Electrical Installation Regulations, AS/NZS 3000:2007 Wiring Rules

We are constantly in touch with the Electrical Contractors Board and Association to ensure that we deliver to you, the most accurate Electrical Compliance Certificate possible.

Quality Electrical and Data Services Master Installer issues COC's for buildings and projects such as:

- Hospitals
- Petrol stations
- Hazardous environments
- Laboratories
- Shopping malls
- Factories and warehouses
- All AC and DC installations
- Any and all industrial, commercial and domestic electrical installations

SERVICE PROVIDERS

Quality Electrical and Data Services is an accredited installer for Ausgrid and Endeavor Energy and have been completing projects in Sydney.

We install backup systems for UPS Direct locally and recently approached Schneider Electric as an interested installer.

Our electrical services include project management, design, supply, installation, testing plus commissioning and maintenance of electrical systems.



PROJECTS

Quality Electrical and Data Services places great emphasis on its relationship with clients, private or commercial, and prides itself on the ability to respond to your electrical requirements in an efficient and cost effective way.
(Further references available on request)



» RESIDENTIAL HOMES

New Installations
Solar Installations General
Maintenance Generator
Installations



» Commercial

Reticulation Repairs
Street Lights Repairs
General Maintenance
Generator
Installations



» Industrial

UPS Installations
New Installations
General Maintenance
Energy Saving Projects
Generator
Maintenance



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