Ampnet Electrical Company Profile

Ultimate Power Solutions
PROFESSIONALS IN
ELECTRICAL
REPAIRS & SOLUTIONS
RESIDENTIAL | COMMERCIAL | INDUSTRIAL
WHO WE ARE

Ampnet Electrical was established in 2013 by father and son, Mr. WH Joubert Senior and Mr. WH Joubert Junior. Mr. WH Joubert Senior left in June 2015 to focus on his main entity. Mr. JS Cockerill and Mr. WH Joubert JNR joined forces in June 2015.

Ampnet consists of 22 employees including Directors, a Master Installer Electrician, Managers and a Junior procurement officer. Teams include qualified electricians, electrical assistants and general labourers.

Ampnet is a member of the Electrical Contractors Association (ECA) and registered with the National Bargaining Council for the Electrical Industry of South Africa (NBCEI) and are committed to the latest Occupational Health & Safety Act.

Ampnet Electrical 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 SABS guaranteed products have led us to fast becoming the electrical service leaders in the industrial, residential and commercial sectors across South Africa.

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.

Ampnet Electrical 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

Ampnet Electrical provides premier electrical contracting and maintenance for public sectors and private customers in commercial, domestic and industrial markets throughout South Africa. 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.

Standard / Fundamental Faults

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, Ampnet Electrical 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 minimise 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.
SOLAR SOLUTIONS

Ampnet Electrical 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.

Choosing an Ampnet Electrical 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.

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.

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

Energy saving Green Product
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.

Ampnet Electrical 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

ELECTRICAL FIT-OUTS

COMPLETE LED & ELECTRICAL FITTING SOLUTIONS

• Turnkey electrical solutions
• Full installations
Ampnet Electrical is an accredited installer for Eaton Electric and have been completing projects nationwide. We install backup systems for UPS Direct locally and recently approached Alpha Power as an interested installer. We are subcontractors to Dawn Electrical and Koolcon Group, completing electrical work on a regular basis. Our electrical services include project management, design, supply, installation, testing plus commissioning and maintenance of electrical systems.

**SERVICE PROVIDERS**

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**CERTIFICATE OF COMPLIANCE**

“Certificate of Compliance” means a certificate with a unique number obtainable from the chief inspector, or a person appointed by the chief inspector, in the form of Annexure 1J and issued by a registered person in respect of an electrical installation or part of an electrical installation; or a certificate of compliance issued under the Electrical Installation Regulations, 1992.

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

Ampnet’s 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
Amnet Electrical 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)
**MUTUAL & FEDERAL**
- New Installations
- UPS Systems
- Nationwide Service

**PSG WEALTH**
- UPS Repairs
- Battery Upgrades
- Battery Replacements

**SNC LAVALIN**
- Full Re-Instatement of Head Office

**RESIDENTIAL HOMES**
- New Installations
- Solar Installations
- General Maintenance
- Generator Installations

**LANSERIA ESTATE**
- Reticulation Repairs
- Street Lights Repairs
- General Maintenance
- Generator Installations

**CENTURION SYSTEMS**
- UPS Installations
- New Installations
- General Maintenance
- Energy Saving Projects
- Generator Maintenance