

Xavier Raath



Profile

My name is Xavier Raath, I am a qualified electrician with 4 and a half years of electrical experience. I have worked with varies of different inverters and battery systems. I've also worked in the MV and HV department where we installed varies types of switchgears and BMS systems for City of Cape-Town Municipality. I am hard-working and always up for newly developed electrical installations. I work great in a team and always try to do quality work before the due date.

Personal details

📍 Pretoria, South-Africa

📅 07/11/2001

🇿🇦 South-African

License: Code B

Experience

Building manager, IQ Brooklyn (124 Brook street, Brooklyn, Pretoria, 0011) 06 December 2024- current

Company description:

IQ Assets is a management company to ensure all buildings are sustained and in luxurious condition. This company thrives in managing student accommodation and support in budgets for Body Corporates.

Tasks & responsibilities:

- Ensure all staff members are doing their job.
- Ensuring the facilities are in exceptional condition.
- Ensuring all substations, generators are serviced and supervised when electrical equipment are being serviced.
- Installing of new lights, circuits, according to the facilities that is being upgraded.
- Maintenance on UPS systems for apartments.
- Ensuring no danger from the common property that can cause harm to anyone.
- Ensuring all equipment are serviced according to the manufacturing dates.
- Fingerprint biometric commissioning.
- Ensuring a safe spot for studying and living for students and residents.

Keywords: Ac Wiring, Generator wiring, Mini- Substation servicing, Maintenance, UPS maintenance, Circuit splitting, Fault finding

Electrician, Forest energy solutions, (Unit 10, Willow Park, Stikland industrial, Cape-Town 7530

01 February 2024 – 01 December 2025

Company description:

Forest energy solutions is a leading renewable energy company that install's Varies inverters, batteries, and solar panels.

Forest is also known to be one of the companies to pair a Eastron energy meter with varies systems like, Victron, Sunsynk, Deya, etc.

Tasks & responsibilities:

- Layout planning, terminating connections (AC and DC). Generator integration and domestic circuit wiring.
- Maintenance on varies commercial, residential and industrial installations.
- Fault finding on batteries, inverters and generators as well as VSD's and PLC's
- Building of communication DB boards to ensure constant communication between inverter, batteries and loggers.
- PLC wiring And VSD wiring on industrial sites with motors and pumps

Keywords: AC Connections, DC connections, PLC & VSD, BMS terminating, Fault finding, Commissioning,

Apprentice Electrician/Technician Greensun renewable energy, (15 Range road, Blackheath, Cape-Town, 7580)

01 February 2023 – 28 January 2024

Company description:

Greensun is a big renewable company in South-Africa, leading with some of the best electricians and Technicians. This company has proven that they can install any solar system, EV chargers with great feedback from clients like Cash Crusaders, PSG group and the beverage company.

Tasks & responsibilities:

- Installing inverters, batteries, solar panels and EV chargers.
- Setting inverter and battery parameters and ensuring safety on site.
- Fault finding on Transformers, domestic and industrial DB boards
- Maintenance call outs when inverters are giving problems.

Keywords: AC Connections, DC connections, BMS terminating, Fault finding, Commissioning,

Apprentice Electrician Out The Greenbox, (17 Wagtail street, Joostenberg Vlake, Cape-Town, 7570)

01 MAY 2022 – 31 JANUARY 2023

Company description:

Out The Greenbox is open for any type of LV and MV systems and did a few solar systems for City of Cape-Town. This company is also known for its exquisite work when it comes to installing various refrigeration systems like aircons, drying rooms and industrial freezers

Tasks & responsibilities:

- Assisting electrician with solar installations.
- Ensuring neat and proper connections.
- Wiring of inverters, BMS's and aircons as well as extractor fans
- Rewiring DB boards and assisting wireman on site conducting tests for COC's
- Installing and commissioning Gate motors and garage motors

Keywords: Refrigeration, Solar systems, Batteries, Wiring, Fault finding, AC and DC wiring.

Apprentice Electrician Eya-Bantu Switchgears (17 Wagtail street, Joostenberg Vlake, Cape-Town, 7570)

01 May 2021 – 30 April 2022

Company description:

Eya-Buntu is known for doing various wiring for the protection of the transformers and Switchgears. This company is also known to ensure the safety of the equipment installed and testing of primary and secondary plants. This company did switchgears for City of Cape-town and wind turbine farms in Spingbok, Loeriesfontein, ect.

Tasks & responsibilities:

- Assisting in wiring BMS and RMU panels and installing new switchgears like Schnider, ABB and Siemens.
- Wiring of AC/DC panels to sustain loads when there is panel failure.
- Switchgear maintenance.
- Primary and secondary plant testing assistance.
- The wiring of transformer tap change and marshalling Kiosks.
- Pleasure testing, functionality testing, Earth mat testing, Fault finding, Switchgear upgrades, etc.

Keywords: Switchgear wiring, Plant testing, Transformer wiring, Fault finding, AC to DC wiring, Rectifying panels.

Education

- **N3 Certificate – Electrical engineering** | Northlink college February 2019– June 2021
- **Electrician trade test/ electrical red seal** – Nomanzi Trade College– November 2024– December 2024.

Skills

- AC wiring (Single phase and Three phase)
- DC wiring (multiple parallel systems)
- Solar systems. (parallel systems)
- Battery cabinets (BMS)
- EV chargers.
- Fault finding.
- Trace and locate.
- PLC wiring.
- VSD wiring.
- Commissioning.
- Rs 485 connections with compatible devices.
- Circuit rating.
- Electrical maintenance.
- Transformer wiring.
- Switchgear wiring.
- Solar system configuration.

Languages

English – fluent

Afrikaans – fluent

Courses & Training

- **Siemens PLC course** – [Northlink college](#): Configuring siemens PLC and wiring.
- **Victron Level 1-3** – [Greensun Renewable energy](#): Commissioning and wiring.
- **Eskom HV and MV Training (expired)**– [Eya-Bantu](#): Safety on substations, correct earthing and grounding and bonding.

Interests

Solar systems, Construction, Swimming, Gymnastics, DIY, Hiking
