

## Electrical Draughtsman/Engineer

We are seeking an experienced Electrical Draughtsman or Engineer to join our team in the Northern Suburbs of Cape Town. The ideal candidate will primarily be responsible for generating high quality, cost effective industrial control systems for water irrigation pumping, while ensuring compliance with engineering and safety standards, client specifications, and company policies and procedures.

### Requirements:

- 5+ years of experience.
- Experience designing low voltage (less than 1000V; 1ph and 3ph) industrial control panels; using programmable logic control systems, advanced control techniques using VFDs, cellular remote monitoring systems, and power monitoring software systems.
- High proficiency in AutoCAD-Electrical (version 2023 experience desirable), creating schematics, wiring diagrams, panel layouts, and other electrical engineering documents.
- Working knowledge of applicable USA codes and standards, especially NEC, JIC, IEC, CE, UL, NEMA, IEEE, and NFPA is beneficial.
- Familiar with power distribution, transformers, and service switches.
- Experience with electrical enclosures and/or sheet metal fabrication is a plus.
- Strong computer skills; must be proficient with Excel; Microsoft Office preferred.
- Excellent verbal and written communication skills.
- Exceptional command of the English language
- Willingness to travel to internationally and to collaborate with the Hartland-based team.
- Experience in the water supply industry preferred, but not required.
- Medium voltage experience is adv.

### Qualifications:

- National diploma, BTech or BSc in Electrical Engineering.

### Responsibilities:

- Prepare detailed schematics, bills of material, and panel layout drawings in accordance with design specifications and established department design standards.
- Assisting Electrical Engineers and Engineering Technologists in design and layout of electrical installations and circuitry on substations, switchgear, cabling systems and motor control systems.
- Inspecting designs and finished products for compliance with specifications and regulations.
- Produce high-quality, low-cost designs using established company standards, while meeting applicable codes and assigned schedules.
- Stay current with applicable technology and safety standards, providing insight and guidance to others when called upon.
- Efficiently manage multiple projects at the same time.
- Aid production team during layout, assembly, and testing, resolving any issues relating to the design or bills of material.
- Continuously identify and investigate opportunities to improve electrical systems, components, and processes.
- Provide technical assistance to Applications Engineering, Sales, Service, and customers as needed.
- Communicate openly. Build relationships. Be recognized as an individual that can be trusted and work well with the team.
- Adhere to our core values: positive attitude, adaptable, accountable, self-motivated, and flexible.

Salary of R40,000-R120,000 based on experience and qualifications.

A full-time position will include benefits such as medical aid, bonus program and option for shares in in company based on years and performance.

We are a rapidly expanding global company that provides employees with opportunities for professional growth and development. If you see yourself thriving in this role, please submit your CV to [sulet.strydom@watertronics.com](mailto:sulet.strydom@watertronics.com). Applications close on Tuesday, 30 April 2024. Should you not hear from us within 2 weeks after the close date, please consider your application unsuccessful.