

**Job Title:** Graduate Mechatronic Engineer

**Reports To:** Director

**Location:** Firgrove Industrial Park, Macassar

**Job Summary:**

This role is an individual contributor position focused on designing, implementing, and maintaining electrical and automation systems within the organization. At L5/L6, the emphasis is on technical expertise, problem-solving in moderately complex environments, and contributing to team projects with limited supervision. The incumbent will be required to drive the creation and implementation of designs and standards related to all E,C&I work within the business. The client must begin with mentoring and supervising suppliers and internal sub-ordinate team members, however full line manager responsibilities is not yet required.

**Key Responsibilities**

- Design, develop, and optimize electrical systems, automation controls, and PLC programming for industrial applications, ensuring compliance with safety standards and efficiency goals.
- Troubleshoot and resolve issues in electrical and automation equipment, performing root cause analysis to minimize downtime and improve system reliability.
- Collaborate with cross-functional teams (e.g., mechanical engineers, process engineers, operations) to integrate automation solutions into production processes.
- Conduct testing, commissioning, and maintenance of systems, including data analysis to enhance performance metrics.
- Document technical specifications, schematics, and procedures to support ongoing operations and knowledge transfer.
- Stay updated on industry trends in electrical engineering and automation technologies, recommending improvements to existing systems.

**Growing Focus Areas**

- **Technical Depth and Innovation:** Emphasis on handling increasingly complex tasks, such as integrating IoT or AI-driven automation, to drive operational efficiencies.
- **Risk Management:** Identify and mitigate moderate risks in system failures or project delays, with decisions impacting departmental outcomes.

- **Collaboration and Mentorship:** Begin guiding suppliers and team members on technical tasks, fostering a foundation for leadership.

**Expectations**

- Deliver high-quality work with minimal oversight, meeting project deadlines and contributing to cost-saving initiatives.
- Demonstrate proactive problem-solving and adaptability in dynamic environments.
- Align with organizational priorities by prioritizing safety, sustainability, and innovation in all tasks.

**Qualifications:**

- Bachelor's degree in Mechatronic Engineering, or a related field.
- Strong analytical and problem-solving skills.
- Proficiency in Siemens PLC Programming is a plus.
- Effective communication and teamwork abilities.
- Willingness to travel to project sites as needed.

**Personal Attributes:**

- Strong attention to detail and ability to learn quickly.
- Proactive and self-motivated with a desire to contribute to team success.
- Commitment to safety and adherence to company policies and procedures.

Application Information: Interested candidates should submit their CV and a cover letter detailing their interest in the role and relevant qualifications to [stephan@ulmowater.co.za](mailto:stephan@ulmowater.co.za)