

Job title: **Principle/Chief Technical Lead: LightSense™**  
Education Level: **MEng or BEng in Electrical and Electronic Engineering**  
Location: **Paarl, South Africa**  
Employment type: **Permanent, on-site**  
Experience Level: **15+ years' experience**

The selected candidate will contribute to application design within the LightSense™ division, which excels in the design, development, manufacturing, and testing of electronic modules. The division's product design expertise lies in creating innovative, battery-powered consumer LED lighting solutions and seamlessly integrating electronic switches into a wide range of consumer products.

**Overall purpose:**

- Product design and development of electronic modules for mass production within ISO framework.
- Research and development of innovating ideas for new product design concepts.
- Co-ordinating product development, design, testing and production within a team.
- Managing project scope before, during and after delivery.
- Provide technical guidance to designated team(s).
- Support the development of individuals by providing motivation, support, and leadership to promote career growth.
- Act as a domain specialist and support wider and more in-depth knowledge growth of individuals and teams.
- High-level direction, product, technical strategies, and technologies.

**Core responsibilities include:**

- Capturing customer product requirements in a specification to deliver against.
- Analog and digital circuit design and schematic capturing and review.
- Co-ordinating PCB design and layout.
- Embedded firmware development for MCUs and Azoteq ASICs.
- Testing and qualifying prototype products for mass production.
- Ensuring compliance with customer specifications and requirements.
- Compliance to sustainability standards.
- Customer support with integration and design for manufacturing.
- Technical support of third-party manufacturers during the production process.
- Support of production and testing team.
- Maintaining and supporting products post-design (cradle to grave principle).
- Maintaining QMS system for own products/projects.
- Development of concept demonstrators and marketing collateral.
- Collaboration with other teams in Azoteq to support the development of new technology.
- Distribute information to team members and stakeholders.
- Collaborating with teams to identify risk and resolve technical problems.
- Guiding a team through technical issues and challenges.
- Monitoring and evaluating technical and leadership growth of team members.

**Skills required:**

- Project management skills to ensure products are delivered on time according to the customer requirements.
- Electronic product design and development experience.
- Any related hands-on experience in product manufacturing, testing and quality assurance.
- Working knowledge of Altium Designer or similar CAD package.
- Basic CAD modelling of designs in SolidWorks or similar.
- Proficient with MCU firmware development in (C, C++) as well as Gitlab for version control.
- Excellent written and verbal communication skills, with ability to effectively interface with internal teams, external stakeholders and customers.
- Working knowledge of quality management system (ISO9001:2015) as part of product design and development.
- Leadership skills to manage and lead a small team, with experience in mentoring and guiding junior engineers.
- Ability to think strategically and possess a future-focused outlook, contributing to the development of a comprehensive product roadmap that aligns with the company's long-term vision.

**Notes:**

1: Job title and salary will be determined by the experience of the candidate

Please forward your CV to [louisa.havenga@azoteq.com](mailto:louisa.havenga@azoteq.com) and clearly state the application is for the "Principle/Chief Technical Lead" position and attach a CV and relevant information to the application.