



Genius Environmental Ltd

Adress:

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Kigali On May 12, 2026

Job offer

Position: Electronic and instrumentation Engineer

Location: Kigali, Rwanda (with potential fieldwork in various districts)

Application Deadline: 25th May 2026

1. Company overview:

[Genus Environmental Ltd \(GE LTD\)](#) is a premier Rwandan consulting firm specializing in the complex intersections of environment, energy, and climate change. Headquartered in Kicukiro, Kigali, the firm is a registered environmental consultancy and a RAPEP-accredited Lead Expert Firm ([RAPEP/EA/229](#)), authorized to provide high-level environmental and social assessments, audits, and compliance monitoring across the Republic of Rwanda and in Eastern African region.

Established in 2019 to bridge the gap between industrial operations and evidence-based environmental governance, GE LTD has built robust technical capacity in the following core domains:

- **Atmospheric Science & Air Quality:** Specialized expertise in ambient air quality monitoring, including the measurement and analysis of Particulate Matter (PM), Nitrogen Oxides (NO_x), and Black Carbon (BC) source apportionment.
- **Industrial Emissions:** Advanced capabilities in industrial stack emission testing and pollution control assessments.
- **Environmental Engineering & Analytics:** Application of GIS-supported environmental analytics and engineering solutions to address industrial pollution and climate-related challenges.

- Audit & Compliance: Delivering rigorous environmental and social impact assessments (ESIA) and environmental audits to ensure adherence to both national and international standards (RSB, IFC, and World Bank).
- R&D to manufacture the air pollution monitoring system and air pollution management systems.

Operating nationwide, GE LTD provides technical support to a diverse client base including industrial zones, hydropower facilities, public institutions, and urban municipalities. By delivering high-quality scientific data and strategic regulatory advisory services, GE LTD assists both public and private sector clients in achieving operational excellence while maintaining the highest standards of environmental sustainability.

2. Job Qualifications and requirement:

- Master's or bachelor's/Btech, advanced degree in electronic engineering, Electrical Engineering, Mechatronics, or a related field.

Experience:

- 1-year Proven experience for master's degree, 2 years bachelor/Btech, 4 year of experience for advanced degree holder. Proof or experience is required at the time of application

Skills:

Skills & Requirements:

- Proficiency with electronic design and simulation tools (Proteus, KiCad, SolidWorks)
- Ability to read and interpret electronic component data sheets
- Soldering skills for electronic components
- Ability to operate and troubleshoot 3D printers
- Strong understanding of electronic systems design, embedded systems, and instrumentation
- Experience in circuit design, PCB development, and troubleshooting
- Knowledge of IoT systems, sensors, and data acquisition (added advantage)
- Strong communication and technical reporting skills
- Available to begin work immediately

Key Responsibilities:

- Design, develop, and test electronic and embedded systems for environmental monitoring applications.
- Assemble, install, calibrate, and maintain monitoring equipment and instruments.
- Troubleshoot and repair electronic systems and devices.
- Support field monitoring activities ensuring proper setup and operation of equipment.

- Interpret technical drawings, schematics, and datasheets.
- Develop prototypes using CAD tools and support enclosure design (e.g., 3D printing).
- Maintain records, documentation, and technical reports of system performance and maintenance.
- Contribute to research, innovation, and product development initiatives.
- Provide technical input in proposal development and project implementation.

What We Offer:

- A dynamic, mission-driven, and innovative work environment.
- Hands-on exposure to real-world environmental technologies and engineering challenges.
- Opportunity to work with experienced professionals in environmental monitoring and instrumentation.
- Monthly salary.

Duration: 1 year renewable with 3 months of probation period

Application:

Please submit your application using this submission link

[Submit your application](#)

Submission Deadline: **May 25,2026 23:59 Kigali time.**

For any assistance or question, please reach out to us with the support form [here](#)

Done in Kigali



Theobard HABINEZA

CEO