

Electrical Internship Position - Junior Electrical/Software Engineer

If you know what's a watt and you can tell a kilowatts from a kilowatt hour, can manage, maintain, administer databases and develop custom applications, and are passionate about renewable energy, energy efficiency and energy audit principles - you may just be the person we are looking for!

Job Summary

Next Renewable Generation Pty (Ltd) is a South African IPP (Independent Power Producer), Project Developer and ESCO (Energy Services Consulting Company) operating in the C&I (Commercial and Industrial) space, whose primary business is the selling of energy generated from renewable sources to private off-takers in both South Africa and rest of Africa. Our business is an energy business, focussed primarily on renewables, gas, CHP, biogas, and thermal projects. Energy audits and consulting help scope and support our primary business model which is to conclude PPAs (Power Purchase Agreements) with our clients. Visit our website at <http://www.nrgeneration.com/> for more information on what we do and who we are.

Requirements:

- ✓ B.Sc(Eng) / B.Eng in Electrical or Electronic Engineering
- ✓ Experience in developing custom applications for accessing, managing, and presenting data
- ✓ Previous exposure to the energy sector will be advantageous
- ✓ Previous exposure to the linux OS will be advantageous
- ✓ Excellent Communication skills
- ✓ Own transport

The position will be based at our offices operating out of Sandton, Johannesburg, with intermittent local travel within Gauteng to client's sites. Own vehicle with driver's license necessary. No two days will be the same, and there will be massive opportunity for growth in many areas. As part of a growing team you will be able to develop into a responsible, capable, driven, and integral member of the team.

Job Profile:

The graduate will form part of the project development and asset management teams and report to the Design, Engineering, Procurement & Construction (DEPC) Manager.

The role could include but not be limited to:

- ✓ Support, plan and manage project development activities for energy efficiency and generation projects. This may include but is not limited to the preparation of proposals, tender submissions, and costing estimates.
- ✓ Conduct site assessments for the development of energy projects.
- ✓ Coordinate and manage external suppliers and contractors for energy projects.
- ✓ Perform and or support quality inspections of PV and other energy technology installations during the project execution phase.
- ✓ Conduct PV simulation studies to support the development of PV projects.
- ✓ Provide technical support and input during the execution of energy measurement and audit engagements.

- ✓ Design and implement software programs to monitor renewable energy installations and which support business internal processes
 - ✓ Support and or manage the analysis of data collected during energy measurements and audit engagements.
 - ✓ Assist with report writing of energy measurement and audit projects.
 - ✓ Support the DEPC process by contributing to the Company's technology roadmap, software tools, technical engineering capability and project management processes.
 - ✓ Develop, refine, or evaluate energy input assessments and power output expectations. Perform or oversee analyses to optimize site layouts and equipment selection to maximize performance and minimize lifecycle costs for energy projects.
 - ✓ Support the activities of designers, consultants, and contractors to achieve efficient use of resources, meet deadlines for deliverables, minimize delays, avoid crises, and resolve conflicts for projects.
 - ✓ Support the DEPC team through the ongoing search for improved system cost and performance by contributing to evaluations of new technologies, systems, and components, and be versed in emerging regulations, technologies, and techniques in the clean energy industry.

Contract:

A one-year contract is available with commensurate salary aligned with SME industry benchmarks for internships.

Application Process:

If you are interested in the position, submit your application via email with your cover letter and CV to <mailto:info@nrgeneration.com>.

Good luck!



NrG Project Development Team