

KIUNGA ISAAC KARINGURI

P.O BOX 38098-00100, NAIROBI, KENYA, E-mail: isaac@gogreenenergy.co.ke, Mobile: +254725874130

Professional Experience

November 2017 – to date

Managing Director – Gogreen Energy Ltd

Responsibilities

- Carry out Energy Audits, renewable energy feasibility studies and implementation of energy efficiency projects
- Managing day to day operations of the company
- Recruiting and training of new staff
- Business Development; sales plans, and sales forecasts
- Project management to ensure timely delivery and quality of work done for clients

September 2015 – October 2017

Operations Manager – NegaWatt Ltd

Responsibilities

- Managing day to day operations of the company
- Recruiting and training of new staff on job delivery and their safety
- Develop staff motivation programs and activities
- Development of sales plans, sales funnel and sales forecasts and task the Sales Manager
- Strive to achieve set out weekly/monthly targets for revenue by delivering turnkey projects
- Maintaining accurate cash flow forecasts
- Ensuring delivery of high quality of works to clients and follow up to ensure client satisfaction
- Manage finances for the branch and strive to keep expenses within the budget
- Project Management and Implementation
- Negotiating service agreements and managing associated costs and revenues
- Technical reviews, assessments and other specialized services
- Provision of high quality written reports and presentations to customers and clients
- Conduct job site observations, field inspections, and energy conservation analyses
- Make recommendations regarding energy conservation measures after an audit
- Prepare project reports and other program or technical documentation
- Energy audits including bill and tariff analysis, energy efficiency studies, HVAC and BMS/BAS optimization and carrying out site inspections and energy surveys
- Designing and selecting equipment for clients
- Using mathematical and computer models to carry out project design and specifications
- Preparing detailed schedules of work, feasibility studies and cost estimates
- Contributing to sustainable energy initiatives and researching new energy systems
- Keep up to date with legislation/standards and ensuring systems and processes comply
- Monitoring new technologies applications, and developing performance indicators
- Developing technical expertise in all matters relating to energy management
- Work with implementation partners to ensure proper project implementation

Major Achievements at NegaWatt Ltd

I completed energy audits and energy efficiency projects for the following facilities:

- ✓ ABC Bank
- ✓ Blue Bay and Sultan Sands hotels
- ✓ Boma Inn
- ✓ Hemingways hotel
- ✓ Diamond Industries
- ✓ University of Embu
- ✓ GEMS Cambridge Nairobi
- ✓ GEMS Cambridge Kampala
- ✓ General Plastics Limited
- ✓ Aga Khan Hospital Nairobi
- ✓ Aga Khan Hospital Mombasa
- ✓ Aga Khan Hospital Kisumu
- ✓ Kenblest Industries Limited
- ✓ Mcneel Industries Limited
- ✓ Kenya General Industries
- ✓ Meru Greens
- ✓ Leopard Beach Hotel
- ✓ Label Convertors
- ✓ Mount Elgon Orchards
- ✓ Nairobi Business Park
- ✓ Ridgeways Mall
- ✓ Capital centre
- ✓ Watermark Business Park

October 2013 – August 2015

Teaching Assistant– Department of Energy Engineering, Kenyatta University

School/ Departmental Roles and Responsibilities

- Departmental timetabling duties assisting the chairman
- Member of attachment and workshops committee, school of Engineering and Technology
- Member of ISO Quality Team –Department of Energy Engineering
- Academic trips coordinator – Department of Energy Engineering
- Website coordinator, Department of Energy Engineering
- Member of curriculum reviewing committee for BSc. Energy Technology
- Involved in setting up the new Energy Laboratory and rationalizing teaching equipment
- Recruiting new students; processing applications and registration of new students
- Departmental Representative during Career Weeks

Major Achievement at Kenyatta University; I was actively involved in the Local Organizing Committee (LOC) that organized the 6th International Conference on Appropriate Technology (6th ICAT 2014) that was a great success as I played a major role in 3 committees; Finance, Technology fair/exhibition and Logistics. This was applauded by International Committee as one of the best organized ICAT conference compared to the previous ones.

February 2011 - August 2012

Surveyor/Inspector- Intertek Testing Services (ITS), Mombasa, Kenya

Roles and Responsibilities

- Supervisory role for out of station team of six (6) inspectors
- Supervise other inspectors and plan work for the team
- Responsible for the team expenses and ensure the expenses keep within the budget
- Inspection of export and import commodities for our clients
- Reporting daily and monthly progress of activities for Intertek Government Services (IGS)
- Inspection of WFP commodities. This involved sampling, quantification and on spot grading/analysis of WFP commodities.
- Prepare a check list for all the materials, tools and equipments needed for a particular inspection operation and ensure their safety and security during the operation.
- Attend to all inspection sites assigned and ensure that the work is done satisfactorily.

Education Background

January 2013 to Date: Kenyatta University

Master of Science (Sustainable Energy Engineering)

Specializing in Renewable Energy- Solar Energy

August 2005 – December 2010: Kenyatta University

Bachelor of Science (Mechanical & Manufacturing Engineering)

Second class honors (upper)

Trainings, Seminars and Participation

- **August 2017-** Metasys FEC training on Building Automation System (BAS) as conducted by Johnson Controls International (JCI) at Dubai Training Centre.
- **April 2016-** Solar PV training of Trainers at Jomo Kenyatta University of Agriculture and Technology (JKUAT) in partnership with JICA and Ministry of Energy Kenya.
- **March 11, 2015:** Website Coordinators training, for Energy Engineering Department, organized by public relations section, Kenyatta University
- **January 19-23, 2015:** training on modeling and simulation using ANSYS software. Organized by Kenyatta University in collaboration with the University of St. Thomas, Minnesota.
- **November 23-29, 2014:** Local Organizing Committee member in charge of logistics and planning for 6th International Conference on Appropriate Technology (6th ICAT 2014).
- **July 8-10, 2014:** participated in the International conference on IT Applications and Management
- **February 11-13, 2014:** Attended training on use of smart board in teaching and professional presentations, organized by Centre for Teaching Excellence & Evaluation, Kenyatta University.

- **February 7, 2014** : Human Resource forum organized by career week centre, to discuss the needs in the industry as regards university education and training with various employers in the country
- **January 13-15, 2014**: Attended training on research skills training and Capacity building, for both PhD candidates and PhD supervisors. Organized by AGRA and Wageningen UR
- **November 4 -15, 2013**: Attended training on Productivity improvement, based on Kaizen, organized by JICA and PCK (Productivity Centre of Kenya).
- **May 27, 2013**: Participated in the workshop to plan on International Conference on Appropriate Technology for the 21st century: sustainable development in Africa held at Kenyatta University
- **May 12, 2012**: Attended team building training as an employee at Intertek held by Kenya Institute of Management at White sands Hotel, Mombasa.

Awards and Recognitions

- **March 27, 2015** – Energy Management Award 2015 (Winner - Postgraduate Category) – awarding body is Kenya Association of Manufacturers (KAM) for my Research entitled *“Performance of Solar Still Utilizing Evacuated Tube Solar Collector”*

Publications and Conference Presentations

1. **Isaac K Kiunga**. Techno-economic analysis of savings by design, retrocommissioning and retrofitting energy efficiency projects. A review paper presented to the National BDPA 38th Annual Conference, 10-13th August 2016, Atlanta, GA.
2. **Isaac K Kiunga**, Jeremiah K Kiplagat, and Ishugah T Fred. The progress of Energy Efficiency and conservation in Kenya: A Review paper; presented at 6th International conference on Appropriate Technology (6th ICAT 2014)
3. George K. Ngusale, Yonghao Luo, **Isaac K. Kiunga**, Cao Yang. The Role of Renewable Energy in providing Energy in Rural Kenya, presented at 6th International conference on Appropriate Technology (6th ICAT 2014)
4. Fred .T. Ishugah, Jeremiah .K. Kiplagat, **Isaac .K. Kiunga**, Issues and challenges facing sustainable energy future for developing nations, presented at 6th International conference on Appropriate Technology (6th ICAT 2014)
5. E. Ako, J. Kiplagat and **I. Kiunga**. Solar Water pasteurization: Review of Technology and Potential in Kenya, presented at 6th International conference on Appropriate Technology (6th ICAT 2014)