

BENJAMIN ELMARD OGWENO

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BIO DATA	Date of Birth : 7 th March, 1998 Gender : Male Marital Status : Single Religion: Christian Nationality: Kenyan ID Number: 34470927 Passport Number: AK0864661 ORCID ID: 0000-0002-1601-6504 Language: English, Kiswahili, French
OBJECTIVE	To grow with a leading organization that utilizes my abilities to the fullest extent possible, helping me realize and develop my potential and be a part of a team that scales great heights through continuous learning process and utmost dedication.
EDUCATION	
2021 - Date	Multimedia University of Kenya <i>Master of Science in Renewable Energy and Technology</i>
2016 - 2020	Multimedia University of Kenya <i>Bachelor of Science in Renewable Energy and Technology</i> Attained a Second Class Honours - Upper Division
2012 - 2015	St Mary's School, Yala <i>Kenya Certificate of Secondary Education</i> Attained a mean grade of B+ (plus) of 72/84 points.
2003 - 2011	Horizon Learners' School <i>Kenya Certificate of Primary Education</i> Attained 375 marks. A-(Minus)
PROFESSIONAL PROFILE	A Renewable Energy Professional, Technician, Researcher and Scholar, having a vast knowledge on renewable energy systems, majoring in Solar PV systems, Solar water pumping, Energy Management and Audits and Geothermal Energy systems. I am also a Certified Solar PV Technician and Trainer. All this is with the aim of achieving knowledge and skills that shall help in the development of my community, my country and Africa at large, in terms of Renewable energy systems and energy efficiencies. Currently, I am involved in renewable energy trainings, projects and consultancies at the Multimedia University of Kenya - Renewable Energy Research Consortium. (MMU-RERC)

PROFESSIONAL AND CAREER EXPERIENCE

CURRENT POSITION

Renewable Energy Expert (Consultancy)
Nedeom technologies (**April 2022 – Date**)

Main Responsibilities

- Solar site surveys
- Solar PV Systems Design
- Installation of Solar PV systems
- Integration of Solar PV systems
- Testing and Commissioning of Solar PV systems.

PREVIOUS POSITIONS HELD

Renewable Energy Technician
Multimedia University of Kenya - Renewable Energy Research Consortium(MMU-RERC) – (**2019 - Date**)

T1/T2 Solar PV Trainer
(MMU-RERC) – (**2020 - 2022**)

Main Responsibilities

i. Research:

- Identify, formulate and propose joint research projects.
- Conduct research, as contract research or academic research projects.
- Publish results in theses, reports, papers and articles.

ii. Consultancy:

- Specialist consulting, e.g. feasibility studies and assessments.
- Workshops, awareness, specialized and in-house short courses.

iii. Training:

- Coordinate Renewable Energy Professional short courses at (MMU-RERC).

Intern

Kenya Electricity Generating Company
PLC (KENGEN)
Geothermal Development Division – Reservoir Engineering Department, Olkaria I
Power station
(**May to July 2019**)

Main Responsibilities

- Steam field monitoring and organization
- Geothermal well monitoring
- Power Plant operations
- Heavy machine overhaul

**STUDENT VOLUNTEER
PROGRAMS**

The Open Institute
(**August 2017**) and (**August 2018**)

Main Responsibilities

- Data Entry on Activities and issues in Rural Settlements
- Data collection on buildings in Nairobi City with access to helping aids for the physically challenged

Inter pack Investments Ltd.
(January – August 2016)

Main Responsibilities

Studies in print technology
Artwork design
Assembly of work orders

**CONFERENCE/WORK
SHOPS ATTENDED**

1. Kenya Off-Grid Solar Access Project (KOSAP)-T1/T2 Solar PV Training (as a trainer), from 13th – 24th September, 2021 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
2. 18th Edition of The Micro-Grid Academy, from 21st – 26th June, 2021 – Micro-Grid Academy. Theme: Module 3 - *Decentralized RenewABLEs against Covid - Operation and Maintenance*.
3. 17th Edition of The Micro-Grid Academy, from 29th April – 5th May, 2021 – Micro-Grid Academy. Theme: Module 2 - *Decentralized Renewable Energy Site Selection and Engineering*.
4. Solar PV (T1/T2) Training (as a trainer) from 19th -23rd April, 2021 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
5. Research methods for Solar PV workshop from 13th – 14th April, 2021 – Supergen SuperSolar Hub, Online training workshop for Early Career Researchers. Loughborough University, UK.
6. VET4Africa ToT-Training on Renewable Energy Technology (as a Technical personnel) from 15th -26th March, 2021- Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya. Theme: *Construction of a Modular PV Training System*.
7. Solar PV (T1/T2) Training (as a trainer) from 22nd -30th March, 2021 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
8. Solar PV (T1/T2) Training (as a trainer) from 22nd -26th February, 2021 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
9. Solar PV (T1/T2) Training (as a trainer) from 18th -22nd January, 2021 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
10. Solar PV (T3) Grid Tie Training from 14th -18th December, 2020 - Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
11. Solar PV (T1/T2) Training from 30th November -4th December, 2020 – Renewable Energy Research Consortium, Multimedia University, Nairobi, Kenya.
12. Higher Education Academy Partnership initiative in Sub Saharan Africa (HEP-SSA) Power Systems Training Workshop 29th October 2020. Strathmore University, Nairobi, Kenya. Theme: *Industry – Academy partnership initiative in the Sub Saharan African Power Energy Sector for capacity building of skilled and practical personnel*.
13. 5th MMU Innovation week (as a project lead) from 26th – 28th February, 2020. Main Conference Hall, Multimedia University, Nairobi, Kenya. Theme: *linking academia and industry towards the realization of the 4th industrial revolution for*

	<i>the big four agenda.</i>	
ADDITIONAL COMPETENCIES	<ol style="list-style-type: none"> 1. Trained T3 Grid-Tied Solar PV installer (MMU-RERC) 2. Trained T1/T2 Solar PV installer (MMU-RERC) 3. Certified T1/T2 Solar PV Trainer 4. Proficiency in C++ programming 5. Proficiency in Python programing 6. Proficiency in Data Analytics using Jupyter 7. Proficiency in Solar Edge design tool 8. Proficiency in Sunny Design 9. Proficiency in PV Teach 10. Proficiency in SAM Design tool 11. Proficiency in MS-Office 12. Proficiency in OSEMOSYS 13. Proficiency in Flextool 	
INTERPERSONAL STRENGTHS	<ul style="list-style-type: none"> • Work well both independently and a team player too. • Fast Learner. • Excellent communication, interpersonal and decision-making skills. • Highly organized and able to manage own workload under minimum supervision. • Strong administrative, organizational and time management skills. 	
INTERESTS & ACTIVITIES	Reading, Research, Singing, writing poems, Design and Drawing, Teaching, Mentorship and Assembly work.	
REFEREES	<p>Dr. David Wafula Wekesa, Ph.D. Coordinator, Renewable Energy Research Consortium (RERC) Multimedia University of Kenya P. O. Box 15653-00503 Nairobi, Kenya Cell: +254 725 037264 Email: dwekesa@mmu.ac.ke</p> <p>Prof. Kihara Rurimo Director, National Institute of Optics and Lasers (NIOL) Multimedia University of Kenya P.O. Box 15653-00503 Nairobi, Kenya Cell: +254 723 540680 Email: grurimo@gmail.com</p>	<p>Dr. Sitawa Wattanga, Ph.D. Dean, Faculty of Science and Technology Multimedia University of Kenya P. O. Box 15653-00503 Nairobi, Kenya Cell: +254 721 575114 Email: iwatanga@mmu.ac.ke</p>