

ENOCK MWEBESA

Electrical Engineer

+256772641649 • mwebesa111@gmail.com • Ugandan

EXECUTIVE SUMMARY

- Experienced & Registered Electrical Engineer with multiple skill sets in power systems operations and management, field construction project management, and asset management looking to apply skills in a strategic position in a leading power distribution company in Uganda.
- Detail-oriented Compliance and Investment biased professional with over 12years's experience in the energy sector, knowledgeable in regulatory reporting, policy review, and transaction investigation.
- Adept at identifying areas of potential vulnerability and drafting corrective measures, with strong knowledge base across the Uganda energy sector, as well as the Electricity Act, Lease and Assignment Agreement(LAA) with Umeme Limited, Ownership Licence and Operation and Management Agreement with WENRECO, Investment Approval and Verification guidelines among others.
- Ability to lead and deliver large-scale assignments with time and budget constraints.
- Meticulous and hands-on in managing all aspects of power systems operation and management with strong commitment to safety.
- Possess can-do, results-driven attitude with proven track record in developing and maintaining a broad vision and meeting objectives.
- Articulate communicator with ability to develop good working relationships with stakeholders at all levels to build consensus as demonstrated by year-round successful monitoring engagements with Licensees.
- Deep expertise communicating value propositions to relevant stakeholders across assets, geographies, and all organizational levels; proven track record providing due diligence for compliance and equity investment.
- Strategic-minded planner, with proven record identifying macro trends and key growth drivers. Highly knowledgeable across power systems, Information technology and project management with a lot of exposure.
- Organized and dependable candidate successful at managing multiple priorities with a positive attitude.
- Willingness to take on added responsibilities to meet team goals.
- Seeking and maintaining full-time position that offers professional challenges utilizing interpersonal skills, excellent communication and problem-solving skills.
- Enthusiastic Engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills.
- Motivated to learn, grow and excel in the energy sector.

KEY SKILLS

Regulatory Compliance. Due Diligence. Project Management. Strategic Planning. Budgeting. Product & Competitor Analysis. Investment Sourcing. Operational Risk Management. Procedural Review. Stakeholder Management. Cross-Functional Team Management. Mentoring and Professional Development

PROFESSIONAL EXPERIENCE

PRINCIPAL COMPLIANCE AND INVESTMENTS ENGINEER **Uganda Electricity Distribution Company Limited**

November 2022—Present

- Plan for and lead activities related to monitoring of the distribution system.
- Keep track of the maintenance and development of the national distribution asset.
- Receive and analyse plans and reports from concessionaires.
- Maintain and update the Asset Management System.

SENIOR COMPLIANCE ENGINEER **Uganda Electricity Distribution Company Limited**

January 2017—October 2022

- Receive and assess maintenance plans from Licensees and advise management on the appropriateness, or otherwise, of plans; hence follow up and report on implementation of these plans as mandated by the LAA &O&M Agreement.
- Carry out scheduled and unscheduled inspections and report on the integrity of the leased assets, and others owned or introduced by UEDCL, hence advise on appropriate interventions.
- Assess and report on the overall level of compliance of Licensees with the LAA, Ownership License and O&M Agreement.
- Carry out assessment of Distribution System Investments Plans submitted by the Concessionaire and advise Management accordingly.
- Liaise with Concessionaires and Regulator to track the implementation of approved investment plans; carry out continuous monitoring and evaluation of investments subsequently implemented by Concessionaire hence recommend those that can be approved to earn Return on Investment(ROI) as provided for in the Electricity(Transmission and Distribution) Investment Approval and Verification Guidelines.
- Carry out assessment of additions to the Distribution Network and report on state of completeness, and value-addition to the system.
- Carry out monitoring and Evaluation of other grid-extension projects hence assess and report on their impact on the Distribution Network.
- Work with the GIS team to update and maintain the integrity of the UEDCL Asset database.

- Compile monthly and annual reports inclusive of budgets on unit activities in accordance with UEDCL policies and procedures.

Significant Achievements

- Played a key role in performing a due diligence that eventually led to the takeover of Rwenzori Service Territory (RST) formerly under O&M of BECS.
- Produced management reports for senior management to support strategic decision making.
- Analysed strategic fit of proposed investments by Umeme Limited and provided independent and objective assessment for further evaluation.
- Key member of the Installation Permits Committee (IPC) of the Electricity Regulatory Authority (ERA) representing holders of a distribution and supply license, as provided for in Regulation 5(2) of the Electricity (Installation Permits) Regulations 2018 from November 2018 to date.
- Key member of the Joint Technical Committee(JTC) appointed by the Permanent Secretary Ministry of Energy and Mineral Development(MEMD) on Karuma Hydropower Project to give an independent opinion on the defects/non-conformances in the electromechanical installation works that were in dispute at the time, May 2020.
- Key member of the Electro technology Standards Committee (TC6) of the Uganda National Bureau of Standards (UNBS), from December 2018 to date.

COMPLIANCE ENGINEER **Uganda Electricity Distribution Company Limited**

June 2014—December 2016

- Monitor and evaluate compliance by Concessionaires with the LAA hence report on areas where breaches are noticed.
- Monitor and evaluate activities of the Concessionaire on the Distribution Network with respect to prudent utility practices and make appropriate reports.
- Carry out scheduled and unscheduled inspections hence report on the state of the leased assets and others owned or introduced by UEDCL, as well as areas and interventions required to maintain the leased assets in good state of maintenance.
- Work with the GIS team to build and monitor the asset inventory in the Distribution System in line with the asset management policy.
- Work with the GIS team to ensure that changes in the Distribution Network are captured hence be able to present an up-to-date picture of the extent of the Distribution Network.
- Carry out system studies as and when required to help assess the accurate state of the Distribution Network.
- Verification of assets added onto the Distribution Network as and when required.

- Compile monthly and annual reports inclusive of budgets on unit activities in accordance with UEDCL policies and procedures.

Significant Achievements

- Cultivated collaborative spirit between the O&M teams of the Concessionaires to ensure monitoring success.
- Performed and delivered root cause analyses and engineering reports when required.

OPERATIONS AND MAINTENANCE ENGINEER **Umeme Limited**

October 2009—June 2014

- Manage all aspects of efficient field operation and management of the grid including preparation of cost estimates, development of engineering designs and field staff management.
- Develop control procedures to enhance operational efficiency and reliability.
- Lead technical aspects of safety, tools and equipment management in line with the company Safety, Health and Environmental Policy.
- Lead and manage systems losses projects, new network extension projects, substation maintenance, testing and commissioning of power system installations.
- Ensure timely resolution of customer network related complaints.
- Ensure that the distribution network is configured to provide supply.
- Monitor power systems parameters (including voltages and frequency) to ensure quality of supply delivery.

Significant Achievements

- Reduced number of redundant interventions by 25% by designing and trailing new process. Tracked success/failure rate of technical solutions and modifications to ensure most appropriate intervention technique was selected for future failures.
- Achieved 365days incident-free on the network operations while ensuring highest level of safety, health, and environment possible in all aspects of grid operation and management.
- Delivered O&M activities on-time and under budget.
- Led a special investigation on the quality of procured materials and their conformity to the required construction standards. This saved the company a lot of revenue loss since no further procurement of the same quality was made.

- Plan, coordinate and control project activities.
- Coordinate the preparation and compilation of project activities and according to work plans and budgets.
- Ensure timely implementation of project activities and according to work plans.
- Monitor and ensure that project objectives are met within stipulated time and costs.
- Participate in the procurement process to acquire project essential requirements.
- Account for operation and maintenance of project assets.
- Carry out general computer system administration functions.
- Conduct on-job training seminars for computer users.
- Manage fleet for the project function.

Significant Achievements

- Directed financial assessment and diligence process across portfolios; identified and produced internal benchmarking scorecard in line with Government financing best practices.
- Spearheaded process optimisation and streamlined internal efficiencies through development of business and operational solutions.

EDUCATION

BSc (Electrical Engineering)

• Makerere University Kampala • Uganda • 2019

Postgraduate Diploma (Computer Science)

• Makerere University Kampala • Uganda • 2003

Uganda Advanced Certificate of Education (UACE)

• Ntare School • Uganda • 1996

Uganda Certificate of Education (UCE)

• Nganwa High School • Uganda • 1993

PROFESSIONAL MEMBERSHIPS

- 2018- Registered Engineer with the Engineers Registration Board (ERB), Reg.No.1125
- 2018- Corporate Member of Uganda Institution of Professional Engineers (UIPE), No.PE/1203
- 2020- Member of the Institute of Electrical and Electronic Engineers (IEEE)-The world's largest technical Professional organization dedicated to advancing technology for benefit of humanity.
- 2021- Member of Engineering for Change- "Engineering for Change" is a knowledge organization dedicated to preparing the global workforce to deliver solutions that improve the quality of life of under served communities.

OTHER CERTIFICATIONS

- 2021- Management and Administration of FIDIC Contracts 2017 Editions, Kampala (UACE).
- 2018- The role of Engineering in transforming Uganda, Kampala (UIPE).
- 2018- Reliability and Operational Performance of Electric Power Systems, Swaziland (DTI).
- 2016- Planning and Management of Power Transmission and Distribution Systems, Hyderabad (REC).
- 2016- Contract Management for Engineers and Other Infrastructure Professionals, Kampala (UIPE).
- 2016- Project Management in Developing Countries, Kampala (UIPE).
- 2015- Operation and Maintenance of Distribution Networks, Egypt (EEHC).
- 2015- Infrastructure Asset Management, Kampala (UIPE).
- 2014- Performing GIS Analysis, Kampala (GIC).
- 2014- Building Geodatabases, Kampala (GIC).
- 2014- Field Data Collection using Mobile Mapper Software, Kampala (GIC).
- 2014- Introduction to GIS, Kampala (GIC).
- 2014- GIS Workflows, Kampala (GIC)
- 2013- Substation checks/fault indications, Kampala (Umeme Limited).
- 2012- ISO 9001:2008 Quality Management Systems, Kampala (ICS Technologies).
- 2012- ISO 9001:2008 Internal Auditor Quality Management Systems, Kampala (ICS Technologies).
- 2012- ISO 9001:2008 Quality Management Systems Documentation Requirement, Kampala (ICS Technologies).
- 2011- Operation and Maintenance of Electrical Power Distribution Systems, Nairobi (KPLC).

TECHNICAL SKILLS

Software

MS Office Suite •GIS • PSS SINCAL • MATLAB • DIGISILENT •C++ •JAVA

MISCELLANEOUS INFORMATION

Nationality: Ugandan

Languages: Fluent in English

Availability: Immediate

1. Mr. Peterson Mwesiga, Lecturer

College of Engineering, Design, Art & Technology
Makerere University
Cell: +256701286908
Email: pmwesiga@cedat.mak.ac.ug

2. Dr. Jonathan Serugunda

Lecturer, Department of Electrical and Computer Engineering
College of Engineering, Design, Art and Technology (CEDAT)
Makerere University
P.O.Box 7062, Kampala, Uganda
Cell: +256700601601
Email: serugthan@gmail.com

3. Eng. James Moses Omara-Ogwang

Manager Investments and Compliance Monitoring
Uganda Electricity Distribution Company Limited
P.O.Box 7390, Kampala, Uganda
Cell: +256752562073
Email: james.ogwang@uedcl.co.ug