

## CURRICULUM VITAE

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### PERSONAL DETAILS

**Date of Birth:** 17 April 1976.  
**Marital Status:** Married.  
**Languages:** Fluent in English and Swahili.  
**Citizenship:** Kenyan.

### OBJECTIVE

To be excellent Manager in the field of Engineering Projects/Programme and Contract Management and coordination rising to a substantial Senior/Executive managerial position in the same fields.

### PERSONAL ASSESSMENT

Excellent, analytical, honest, Hardworking, initiative driven person and an active team player, always willing to learn and enthusiastic about taking new challenges in life.

### PROFESSIONAL EDUCATION

**Oct.1996 – Nov.2002 University of Nairobi**  
Honors: BSc. Electrical and Electronic Engineering

### PROFESSIONAL AND CAREER CERTIFICATION

**2014**

Trained Safety, Healthy & Environment Committee Member.

**2013**

#### *Renewable Energy Sources*

By GIZ on behalf of German Federal Ministry for Economic Cooperation and Development (BMZ)

Incorporating Solar PV into Diesel Grid (Seminar at Strathmore University, Nairobi)

- Components of Diesel PV Hybrid system
- Workshop Design Aspects
- Experience with Hybridization in Kenya
- Load demand estimation

**2013**

#### *Management Skills Development.*

By Total Quality Training Consultants Ltd.

- Performance management.
- Building and leading teams.
- Effective communication.
- Managing time and delegating effectively.
- Problem solving and negotiating skills.
- Coaching and mentoring skills
- Motivating and disciplining employees.

- Budget and budget control management.
- Change management.
- Occupational health and safety/ First Aid skills.
- Ethics and Integrity.
- Corporate governance.
- Industrial relations.

**2007.**

**Institution of Engineers of Kenya (IEK)**

- *Registered Graduate Member (G.3880)*
- *Projects and Contract Management*

**Engineers Board of Kenya (EBK)**

- *Registered Graduate Engineer (B4494)*

**2003/2004.**

**Graffins College Nairobi Westlands**

- *Networking System Professional (NSP).*  
(TCP/IP, Core Technology, Enterprise Server Technology)

**2002/2003.**

**Centurion System Engineering Training Centre**

- Computer Networking  
*Data Networks Design and Installation*

**WORK EXPERIENCE**

**January 30<sup>th</sup>, 2012 - Now**

**KENYA POWER (KPLC Co. Ltd)**

**ELECTRICAL ENGINEER**

**Central Office**

**Design Electrical Engineer**

**Infrastructure Development Division, System Design & Development Department**

This entails Electrical Power System Design, Planning, Creating, Testing and supervising the Development and Installation of Network Infrastructure Components and Equipment for the company's Power Transmission and Distribution networks including Voice and Data Communication infrastructure systems.

- **Customer Schemes**  
Large Power Customers  
Small-Medium Power Customers
- **Reinforcement Schemes**  
Electrical Power Network Reinforcement

**Network Management Division, Nairobi North Region.**

**Engineer In Charge of a Business Unit, O&M Functions**

- Managing the Maintenance of Distribution Network Infrastructure ensuring reliable and efficient power supply to the customer while ensuring the company Network Infrastructure standard procedures and practice are followed.

- Managing Distribution Network review and restructuring to improve on the supply efficiency and reliability.
- Planning and Managing Power planned/unplanned shutdown procedures/operation adhering to Network safety configuration for the Equipment and Personnel working on the network.
- Administering the Business Unit Staff and all Operation and Maintenance procedures and processes for the Region.

### **Webuye Branch**

#### **Branch Business Head, Webuye Branch.**

- Developing branch budget to support operational plans and implementing annual business plans for the branch in line with the Company's strategy and objectives.
- Leading branch teams in developing and implementing a branch power network expansion and maintenance plan in line with Regional and Company strategy and objectives.
- Interpreting Clients technical requirements and needs within certain regulations specified technical standards and rules and create the drawings necessary for construction and production.
- Monitoring implementation of network expansion and business plans in the branch and initiating necessary interventions.
- Managing projects implementation to improve reliability of supply and planning for resource requirements and optimization for the branch.
- Maintaining a robust power network infrastructure and ensuring its optimal utilization and implementing strategies to reduce technical and commercial losses in the power system network.
- Ensuring an effective customer relationship management processes and nurturing positive stakeholder relationships in line with the company corporate objective.

### **Wajir Power Station**

#### **Engineer in-charge of Operations (Wajir Power Plant-Off-grid Station)**

- Managed and supervised the **Electric Power Generation operations** for the Wajir off-grid power station.
- Managed the Delivery, Installation and Commissioning of two 1MW Diesel Genset to meet the growing demand in Wajir County and its environs.

### **Off-Grid Power Stations**

#### **Electrical Power System Protection and E-Plant Section- Off-Grid Power Station.**

- Managed services for design of Power system protection and Electric plant of Off-Grid Power Stations (OGPS) with reticulation and supervised the reticulation.
- Designed off-grid hybrid power stations with the greatest possible contribution from **renewable energy** at a viable cost.
- Managed renewable energy, small scale power stations and optimized /low cost reticulation.
- Collected and analyzed required data for the design and construction of the sites.
- Gave detailed design of hybrid power stations and associated reticulation for the selected sites.
- Designed operation and management plan for each off-grid site.
- Conducted environmental and social impact preliminary scoping analysis of the proposed investments at the selected locations.

- Conducted economic and financial analysis of the proposed investments for the sites.
- Managed all aspects of procuring contractors for the construction of the selected off-grid sites.
- Acted as the managing Engineer during the construction phases up to the commissioning of the selected sites.

### **Absorption (4<sup>th</sup> Assistant Engineer)**

**1<sup>st</sup> February 2013**

**Internal Audit Division, Technical Audit Department, Central Office.**

### **Trainee Engineer**

#### **Trainee Engineer at KPLC Training School (One year Induction)**

- Trained on the company Operational & Business model and the corporate structure at the company's various installations and offices.

**May 3<sup>rd</sup>, 2010- August 30<sup>th</sup>, 2011**

**MINISTRY OF PUBLIC WORKS**

#### **ELECTRICAL ENGINEER (Private Consultant-Building Services)**

- Planned, Executed, Monitored, Supervised, Reported and Documented **Electrical/Electronic, Video, Data and Voice Installation Projects** being carried out by the various Contractors and implemented by the Ministry of Public Works on behalf of the Government of Kenya.
- Provided consultancy services on product and process quality to **Economic Stimulus Programme Projects**.
- Carried out quality contractual services on products and processes in the relevant technical fields, on behalf of the ministry.
- Facilitated implementation of technical Standards and other approved specifications of the installations and construction in the relevant fields.
- Enforced mandatory technical Standards.
- Prepared technical evaluation reports on site and reported on project progress.
- Initiated and participated in Final Inspection, Testing & Certification and Commissioning of the final product of Building/Construction or Installation process.
- Managed site activities in accordance with the contract documents, established engineering practices and industry standard.
- Interpreted contract/working drawings and specifications for execution teams.
- Prepared and submitted execution reports to Site Agent concerning site execution progress and associated issues.
- Responsible for periodic review of production works carried out on site to ensure quality is maintained during execution processes.
- Ensured that daily work programme is drawn in liaison with the Site Agent.
- Responsible for allocation and control of staff activities and materials to optimize use of execution resources under their direct control and achieve efficient and safe execution of high-quality work.
- Attended coordination meetings with other parties involved.
- Participated in the relevant technical committee meeting for project progress evaluation.
- Worked with other related professional as a team for the programme who included.

1) Architect

2) Structural/ Civil Engineer

- 3) Quantity Surveyor
- 4) Mechanical Engineer
- 5) Clerks of works

**Feb.2010-April 2010**

**KENYA WATER INSTITUTE (KEWI)  
SYSTEMS ENGINEER - Management Information Technology Department.**

- Articulated the institutions general information Technology policy on operations, development and management of the information systems Network database.
- Ensured smooth operation of Telecommunication networks (Data/Voice) in order to provide maximum performance and availability of the communication system resources to all internal and external users accessing information resources within and outside.
- Troubleshoot Network and Computer Hardware and Software Problem.
- Serviced and Maintained the Institute's Computers
- Updated the Institute's Website.
- Administered System and Network issues.

**June. 2005-Feb.2008.**

**Mater Misericordiae Hospital  
NETWORK SYSTEM ADMINISTRATOR.  
Fibre Optic & Cat 5e UTP Networks Layout and Installation.**

- Managed large expansion project in Optical Network Infrastructure layout, Cat 5e UTP restructuring and expansion of Data and Voice cabling for the whole institution.
- Coordinated and prepared tender documents and processes for the project and managed customer relationship for project matters.
- Implemented Data and Voice backbone upgrade from **Cat 5e UTP** to **Optical fiber links** to all data switching points/cabinets to enhance the efficiency of the Hospital Management Information System (HMIS-Lifeline) data workload.
- Managed and supervised the upgrade of **Analog CCTV system** to an **IP CCTV system** and integration of the system into the optical fibre links infrastructure for the whole institution.
- Managed the implementation of **Biometric Access Control system** for the institution.
- Managed the Implementation of Gigabit (10/100/1000) rate of Data Transmission to all switching points thus improving on data transmission speed to all data network segments including the link to the server farm.
- Implemented Internet connection through optical fiber link to the institutions data communication network infrastructure to enhance the speed and reliability of internet services.
- Restructured all the Data, Voice and Electrical trunking systems to enhance data network performance and create room for future expansion.
- Configured all the core switches and nodes equipments, documented all the switching cabinets and commissioned the system.

**July 2003-Sept. 2004**

**Graffins College (Nairobi-Westlands)  
Lecturer (Computer Electronics Engineering- City & Guilds International)**

- Trained computer electronics structured model and system assembly.

**Awards received**

- Certificate of Excellence in "ITEN MATHS CONTEST"

**Computing skills**

- Proficient in AutoCAD/ArchiCAD and MS Project
- Proficient in Linux (UNIX) networking, Windows Operating and Application systems
- Good understanding of Relational database technology and SQL using Oracle9i and SQLServer2000,

**Hobbies**

- Reading, Traveling and Swimming

**Referees**

1. Eng. William O. Opwapo,  
Chief Superintending Engineer (Electrical),  
Ministry of Public works  
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2. Eng. Jonathan Ronoh.  
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