

**ZEng. James Munguti Mbuva**

**P.O. Box 78517, Nairobi, 00507**

**0721-201919, 0722-684023**

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<b>Personal Details</b>	<b>Date of Birth</b> , 14 <sup>th</sup> July 1980 <b>Sex</b> , Male <b>Nationality</b> , Kenyan
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<b>Objective</b>	A challenging career opportunity in engineering, project management, production, or operations management to build upon and utilize my previous work experience, academic background and communication and leadership skills.
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<b>Profile</b>	<ul style="list-style-type: none"><li>• Over 8 years' experience in engineering design, supervision and construction/ installations</li><li>• Goal oriented individual with strong leadership capabilities.</li><li>• Ability to lead highly motivated teams to achieve set objectives.</li><li>• Organized, highly motivated, and detail-directed problem solver.</li><li>• Proven ability to work in unison with staff, contractors, and management.</li><li>• Skilled in troubleshooting and problem resolution; train and supervise staff for quality control and adherence to work order specifications.</li></ul>
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<b>Education</b>	<b>M.B.A.</b> , University of Nairobi <b>B.Sc., Mechanical Engineering</b> , <i>2<sup>nd</sup> Class Honors, Upper Division</i> , Jomo Kenyatta University of Agriculture & Technology.	<b>2007-2009</b> <b>2000-2005</b>
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## **Relevant Experiences and Accomplishments**

### **Engineering Design**

- Designed LPG Storage with Marine receipt for Mansa East Africa, Mombasa Kenya (2018)
- Designed LPG Storage with Marine receipt for Focus Container Terminal, Mombasa Kenya (2019)
- Designed LPG storage and filling plant for Depar Limited in Sagana, Kenya (2015)
- Designed LPG storage and filling plant for Proto Energy, Muranga, Kenya (2017)
- Designed LPG storage and filling plant for Green Energy, Mazaras. Kenya (2016)
- Designed LPG storage and filling plant for Rift Gas, Nairobi, Kenya (2017)
- Designed LPG storage and filling plant for Hass Petroleum in Kampala, Uganda (2014)
- Designed LPG storage and filling plant for Hass Petroleum in Kampala, Uganda (2014)
- Designed LPG storage and filling plant for Hass Petroleum in Juba, South Sudan (2014)
- Designed LPG storage and filling plant for Hass Petroleum in Mogadishu, Somalia (2014)
- Designed LPG storage and filling plant for Green Energy in Mogadishu, Somalia (2014)
- Designed Engine coolant blending plant for Synergy Lubricants Solutions which was constructed in Nairobi (2012)
- Designed LPG Reticulation for Le'Mac (27 floor mix use building with 204 apartments and 3 restaurants. Design including LPG heated swimming pool and LPG heated Cold water Supply) (2015)
- Designed LPG Reticulation for Freedom Heights (252 Apartments and a Mall)
- Part of design team for LPG reticulation at Two Rivers Mall (Athena Holdings) (2015)
- Designed LPG Reticulation for Ideal Locations Apartments on General Mathenge Road (2015)
- Designed LPG storage and filling plant for Mount Meru Petroleum in Arusha, Tanzania (2014)
- Designed the Cullinan Apartments, 104 apartment (2014)
- Designed LPG reticulation and Piping and Metering system for Galleria Mall Nairobi. (2011)
- Designed LPG Reticulation system for City Mall Mombasa (2013)
- Designed LPG Storage and supply system for many restaurants and hotels including
  - Mabati Rolling Mills
  - Utalii Hotel
  - Kongoni Camp
  - Sentrim Hotels – Elementaita
  - NewsCafe
  - Moi Educational Centre
  - Nairobi Muslim Academy
  - Strathmore University
  - Centre of Excellence, Kathiani
  - Avanti Group

### **Construction/ Installation Management**

- Supervised Construction for LPG storage and filling plant for Depar Limited in Sagana, Kenya (2015)
- Supervised Construction for LPG storage and filling plant for Proto Energy, Muranga, Kenya (2017)
- Supervised Construction for LPG storage and filling plant for Green Energy, Mazaras. Kenya (2016)

- Supervised Construction for LPG storage and filling plant for Rift Gas, Nairobi, Kenya (2017)
- Supervised Construction for LPG storage and filling plant for Hass Petroleum in Kampala, Uganda (2014)
- Supervised Construction for LPG storage and filling plant for Hass Petroleum in Kampala, Uganda (2014)
- Supervised Construction for d LPG storage and filling plant for Hass Petroleum in Juba, South Sudan (2014)
- LPG Plant manager for Kenya Shell where I supervised all new installations and maintenance works.
- Supervised and managed Construction of LPG Storage and filling Depot for Hashi Energy Limited in Eldoret (2012 – 2013)
- Supervised and managed Construction of LPG Storage and filling Depot for Green Energy Limited in Nairobi (2012-2013)
- Supervised and managed plumbing and drainage works for new county offices for Machakos County Government (2013)

#### **Maintenance Management**

- LPG Plant manager for Kenya Shell where I supervised all new installations and maintenance works.

#### **Member KEBS Technical Committee 119 for KS 1938**

- I was a member of the Technical Committee (TC119) for KS 1938 (The handling, storage and distribution of liquefied petroleum gas in domestic, commercial, and industrial installations)

Symetrics Limited is an Engineering company incorporated in Kenya involved in design, installation, construction and maintenance of mechanical services, petroleum storage and loading facilities, LPG storage, piping and filling installations

**Key Responsibilities:**

- Design of petroleum and LPG storage facilities, filling systems
- Construction management and supervision of petroleum and LPG storage and filling facilities.
- Engineering works management.
- Quality control including Hydrostatic Pressure tests and Ultra-Sonic Plate Thickness Testing
- Project planning and management.
- Identifying major maintenance & plant change requirements for clients.
- Executing maintenance contracts and monitoring equipment performance and costs.
- Identifying staff training needs and planning for trainings.
- Environmental Impact Assessments and Auditing.

**Key Achievements/ Experience**

I have been successfully involved in the design and construction/ installation of the following projects:

- LPG Storage and Filling Facilities (depot) for Hashi Energy Limited at Eldoret. This involved:
  - Installation of LPG tanks, pipelines, pumps, compressors and cylinder filling equipment in accordance with KS 1938 and NFPA 58
  - Installation of firefighting system, including fire pump, pipework, hydrants, fire monitors and firewater storage tanks in accordance with all relevant standards
- Engine coolant blending and bottling plant for Synergy Lubricant Solutions on Mombasa Road, Nairobi
  - Design of plant (tank storage, blending tanks, pumps, pipework)
  - Construction of blending and storage tanks
  - Installation of pumps and pipework
  - Installation of filling stations
- LPGas reticulation/ metering at Galleria Mall:
  - Design of system
  - LPG pipework and meters installation and Maintenance
- Design and Fabrication, installation of LPG delivery truck for Fuel and Gas Limited.
- LPGas reticulation/ metering at Galleria Mall
- Design and installation of LPGas leak detection and shut off system for Galleria mall

**LPG Plant Manager, Kenya Shell Ltd***Sep '05 – Dec '10*

This is a managerial position dealing with management of Nairobi LPG Plant operations including product receipt, storage, loading and distribution

**Key Responsibilities:**

- Manager of the LPG plant – manage 30 employees.
- Manage receiving, bulk loading, cylinder fillings and execution of customer orders.
- Operate plant in compliance with OSHA and group Health, Safety and Environment policy.
- Engineering Maintenance Management
- New installations Management
- Ensuring efficient and effective utilization of assets to minimize system production costs
- Motivating staff to ensure high work ethic is maintained at the LPG plant
- Regular review of operational procedures to ensure compliance with group HSSE & ISO requirements at LPG plant.
- Preparing maintenance plans
- Identifying staff training needs and planning for trainings.
- Part of Emergency Response Leadership team & Safety committee.

*Jun '09 – Dec '09***LPG Technical Manager, Kenya Shell Ltd (Acting Role)****Key Responsibilities:**

- Ensured that all LPG bulk installations at customer's premises met Group requirements and were maintained in an appropriate manner.
- Contributed to the profitability of the LPG group by maximizing return on assets and controlling costs associated with installation and maintenance of customer sites
- Supervised, trained, evaluated and coordinated the outsourced LPG maintenance service contractors.
- Provided advice, support and training to customers for the safe and efficient use of LPG.
- Preparing technical and safety literature for commercial customers
- Planned and implemented an inspection and maintenance program for LPG installations at customer premises.
- Designed new bulk LPG installations for consumer sites.

<b>Trainings Attended</b>	<p><b>Permit to Work and Gas Testing Training</b>, by Shell Oil Products Africa</p> <p><b>LPG handling and safety</b>, by Petroleum Institute of East Africa</p> <p><b>Road Transport Management</b>, by Shell Oil Products Africa</p> <p><b>Incident Investigation Training</b>, by Shell Oil Products Africa</p> <p><b>Hazards and Effects Management Process Practitioners Training</b>, by Shell Oil Products Africa</p> <p><b>DOHSS Safety and Health Induction Course</b>, by Nutek Solutions ltd (DOHSS approved OSHA Trainer)</p> <p><b>Firefighting</b>, by Atlas Fire</p> <p><b>First Aid</b>, by St. John</p>
<b>Skills</b>	<p><b>Language</b> - Fluent in spoken and written English and Swahili</p> <p><b>Computer</b> - Excellent knowledge of Windows Operating System, MS Office and Engineering design software such as AUTOCAD.</p> <p><b>Operations/ Technical</b> – Excellent stocks management skills, good emergency response and crisis management skills, knowledge of LPG installations and equipment design, good knowledge of safe working practices and HSSE risk management.</p> <p><b>Other</b> - Strong analytical and problem solving techniques, excellent communication skills, strong leadership skills, good financial skills, strong organizational and time management skills and capable of working successfully with both groups and independently.</p>
<b>Community Involvement</b>	<b>Kyang'onde Secondary School</b> , Member, Board of Governors
<b>Professional Membership</b>	<p><b>Engineers Board of Kenya</b> - <i>Registered Professional Engineer (P.Eng.)</i></p> <p><b>Institute of Engineers of Kenya</b> – <i>Corporate Member</i></p>
<b>Hobbies</b>	Gym, soccer, movies and travelling

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**Referees**

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