

SAMUEL KARIUKI MURINGI

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Nationality: Kenyan

SUMMARY

Dependable Electrical and Electronics Engineer with 7 years progressive experience. Graduate of Electrical and Communication Engineering. Combines leadership, supervisory skills with a solid foundation in Electrical power and controls, AC and DC systems, industrial electronics, power conditioning, weighing instruments, generators, machine drives, PLCs, CANopen, maintenance planning and scheduling, budgeting, and computing. Demonstrated ability to offer technical and practical insight into proposed cost saving initiatives. Excellent communication and interpersonal skills. Registered as a graduate electrical engineer with the Engineers Board of Kenya.

SKILLS & ABILITIES

Languages

- Good command in English and Swahili. Both written and spoken

Computer Skills

- Proficient in word, spreadsheets, Project, Visio, AutoCAD, DIALux
- Programming JavaScript, HTML, CSS, React. Computer Networking
- Basic Knowledge PLC (Siemens, AB), HMI (Citect Scada)

Engineering skills

- Design and implementation Electrical installations
- Proficient in component level electronic troubleshooting and repair
- DC and AC systems sizing, installation, maintenance
- Diesel Generators
- Industrial automation communication standards, Ethernet, CAN open
- Installation of data center infrastructure (Racks, power and monitoring)
- Troubleshooting, repair, maintenance and calibration of weighing instruments (scales, weighbridges, auto bagging systems)
- Preventive and autonomous maintenance planning, execution, and review
- OSHE, HACCP
- Engineering reporting
- Leadership skills

EXPERIENCE

<p>Sep 2022 – Date</p>	<p>Maintenance Manager (Broiler Division), Central Poultry 2000 Malawi</p> <p><i>An integrated business consisting of a feed mill, broiler farms, hatcheries, breeder farms etc. and a chicken processing facility (ISO, SGS, FSA and HACCP Certified). One of the leading providers of fresh and frozen chicken products in Malawi and the region.</i></p> <p>Achievements:</p> <ul style="list-style-type: none"> - Part of the project lead team for the installation of additional equipment in the broiler section including Federlines, nipple lines, cooling pads and ventilation fans - Redesign of old PCC panels to handle additional loads, including loading assessment, material selection and conductor resizing - Introduced a work order-based maintenance system to streamline maintenance activities <p>Responsibilities</p> <ul style="list-style-type: none"> - Conduct regular site inspections to identify areas requiring maintenance and assign the required resources - Co-ordinate maintenance activities semi-automated broiler houses. - Supervise all electrical installation in the division to ensure compliance to local and international standards. - Ensure all maintenance and installations adhere to the safety standards. - Leading a team of more than 15 maintenance technicians of diverse trades to achieve maintenance KPIs - Carrying out preventive, corrective and breakdown maintenance to ensure minimum downtime - Conducting follow up on all maintenance and repair works - Maintain equipment records, prepare monthly reports on equipment performance, and calculating maintenance costs - Participate in recruiting and training of new technicians - Contribute to the development of maintenance budget, power and diesel and ensure compliance - Co-ordinate and supervise maintenance works performed by external contractors - Facilitate sourcing of spare parts locally and internationally - Preparing equipment documentation and checklists - Coordinate maintenance and periodic inspection of Diesel generators
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<p>Jan 2022 – Aug 22</p>	<p>Electrical Project Engineer, Deeqa Construction, Mogadishu Somalia</p> <p><i>An integrated construction and facility management business in Mogadishu Somalia</i></p> <p>Responsibilities</p> <ul style="list-style-type: none"> - Design (AutoCAD and Lighting in DIALux) and implementation of electrical installations - Conferring with customers, engineers, and others to discuss existing or potential engineering products or projects. - Ensuring that installation and operations conform to standards and customer requirements - Project reporting on the timelines, costs, and work progress - Preparing specifications for purchases of electrical equipment and materials. - Supervision of MEP installation works - Estimating material, labor, or construction costs for budget preparation. - Design, sizing, and implementation of grid-tie and off-grid solar PV systems - Supporting the Business Development and Tender Team in compiling necessary data, rates, and documentation for bidding purposes.
<p>Jan 2019 – Jan 2022</p>	<p>Maintenance Supervisor, HMM-Rainbow Ltd (Yokuku), Uganda</p> <p><i>An integrated business consisting of a feed mill, broiler farms and a chicken processing facility (ISO, SGS, FSA and HACCP Certified). One of the leading providers of fresh and frozen chicken products in East Africa.</i></p> <p>Achievements:</p> <ul style="list-style-type: none"> - Developed a comprehensive asset maintenance plan (checklist based), which has helped reduce equipment downtime, reduce maintenance cost and facilitate work planning and scheduling. - Implemented strategies (change of tariffs and load combining) to reduce power cost (reduced by up to 30%). - Introduced a work order-based maintenance system to streamline work planning, scheduling, execution and reporting <p>Responsibilities</p> <ul style="list-style-type: none"> - Conduct regular site inspections to identify areas requiring maintenance and assign the required resources - Co-ordinate maintenance activities in processing facility, Feed Mill (Buhler Pellet Mill), and the fully automated broiler houses (Munters Eco-Houses) - Carrying out preventive, corrective and breakdown maintenance to ensure minimum downtime - Conducting follow up on all maintenance and repair works

	<ul style="list-style-type: none"> - Sitting in for the manager engineering when off duty - Maintain equipment records, prepare monthly reports on equipment performance, and calculating maintenance costs - Participate in recruiting and training of new technicians - Contribute to the development of maintenance budget, power and diesel and ensure compliance - Co-ordinate and supervise maintenance works performed by external contractors - Preparing monthly engineering reports to the management as well and Board of directors - Facilitate sourcing of spare parts locally and internationally - Charing daily maintenance review meetings - Preparing equipment documentation and checklists - Facilitate clearance of spares from overseas - Liaising with production to streamline maintenance operations to avoid conflict with production schedules
Jan 2017- Dec 2018	<p>Repair and Field Service Engineer, <i>Vector International Ltd</i></p> <p><i>Industry leader in supply, installation, and maintenance of data center infrastructure (Racks, networking, power (PBS, UPS, TVSS, PDU's), Cooling and monitoring) in East Africa.</i></p> <p>• Responsibilities</p> <ul style="list-style-type: none"> - Carrying out repair and troubleshooting of, Power Backup systems (PBS), UPS and AVR - Carrying out preventive and breakdown maintenance to ensure minimum downtime - Installation of data center infrastructure. Racks, power (AC, DC PDU, s), networking, and monitoring equipment - Installation of PBS and UPS systems (1 – 500 KVA) and associated switchgears
Sep 2015 – Nov 2015	<p>Electrical Engineering Intern, <i>Unga Limited Kenya</i></p> <p><i>A subsidiary of Unga Holdings Ltd that deals in manufacturing and marketing of human nutritional products an ISO 22000:2005, HACCP Certified Plant.</i></p> <p>• Responsibilities</p> <ul style="list-style-type: none"> - Troubleshooting and maintaining plant LV switchgears motor controls, PLC and pneumatic systems - Carrying out electrical installations - Carrying out corrective, preventive, predictive and scheduled maintenance on electrical machines and instrument - Implementing plant safety, health, and environment and adhering to 6k work place - Design and fabrication of control panels - Implementing Total Productive Maintenance (Planned and Autonomous)

Sep 2014 – Nov 2014	Electrical Engineering Intern, New Kenya Cooperative Creameries <i>A leading Dairy Company in Kenya renowned for its quality brands</i> <ul style="list-style-type: none"> • Responsibilities <ul style="list-style-type: none"> - Carrying out troubleshooting and maintenance of milk processing and packaging machines - Design and fabrication of control panels - Carrying out corrective, preventive, and breakdown maintenance - Maintenance of air compressors and refrigeration system
Aug 2012 – May 2013	Data entry clerk, Busara Forest View Academy <ul style="list-style-type: none"> • Responsibilities <ul style="list-style-type: none"> - Maintaining debtors (students) and creditors records - Managing inventory stores and staff - Maintaining updated accounting records (manual and electronic)

EDUCATION

Aug 2011-Dec 2016	Electrical and Communication Engineering, Masinde <i>Muliro University of Science and Technology: Second Class Honors – Upper Division</i>
Feb 2006 –Nov 2009	KCSE, Nyandarua County, <i>Nyahururu High School: A minus – 78 pts</i>
Jan 1998-Nov 2005	KCPE, Nyandarua County, <i>Gatimu Primary School: 383/500 pts</i>

REFEREES

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