

# Izekor Lucky Osas

## A Well-Seasoned Electrical || Instrumentation || Mechatronics || User Experience Engineer

I am a professional in Safety, Electrical designs and installation, process automation, instrumentation, and mechanical works. With over ten years (vocational & postgraduate) of verifiable & provable experience as a contractor, process engineer, process technician and maintenance specialist. Committed to improving quality and performance at individual and social levels.

## Experience

### Nigerian Breweries Plc(Heineken):

#### Preventive Maintenance Specialist – Automation/Control

April 2023 - Present

- I Ensure adherence to standard automation requirements for project implementations in the plant, & Maintain up-to-date backups of user programs for automation equipment.
- I Keep electrical documentation for all equipment updated and accessible, perform routine health audits of electrical controls for all equipment, Use condition monitoring tools for regular assessment of automation equipment and address any identified issues.
- Troubleshoot and repair electrical and automated machinery and controls, Conduct inventory of automation spares and recommend critical purchases, attend shift handover meetings, document issues, and identify potential improvement areas.

#### Preventive Maintenance Specialist

Oct 2022 - Present

- Executing planned maintenance on production line machines like Inspection Machines, Filler, and Labeller etc.
- Predicting resources needed to reach objectives and managing resources in an efficient and effective manner; developing/managing a detailed project schedule, determining the scope and objective of projects, and creating a work plan on designated machines.
- Participate in troubleshooting, breakdown analysis, root cause failure analysis, and countermeasure execution to get rid of breakdown and minor stops.
- Maintained Control circuits, motor starters, and conveyor systems utilize components of a computerized maintenance management system for spare parts management.
- Preparing budgets based on scope of work and resource requirements, including tracking project costs in order to meet budget.
- Selecting and applying control circuit elements like sensors, actuators, switches, timers, counters, encoders, etc.
- Designing and implementing pneumatic and electro-pneumatic components in control circuits, motor starters, control systems.

#### Relieve Planned engineering support specialist (Planned Engineering)

June 2022 - Oct 2022

- SAP, CMMS, Planned Maintenance process administration & management
- Planned maintenance audit, tracking Work order execution, closure rate, and improvement.
- Cascade maintenance agreements from planning meeting for PM scheduling

#### Preventive Maintenance Specialist – calibration(Instrumentation)

Nov 2021 - June 2022

- I manage over 1500 process control instruments in the Brewery.
- I Perform instrument inspections, routine instrument maintenance, and Calibration to industry standards.
- I Troubleshoot instrument failures, and Conduct repairs/replacements.
- I Suggest instruments upgrades, & Maintaining calibration equipment and supplies.
- I Complete work orders according to CMMS call horizon and equipment reports.
- I Perform relevant research producing, adopting designs and relevant upgrade.

### Henkel (EGIL):

#### Electrical Technician

Oct 2021 – Nov 2021

- Executed electrical preventive maintenance plan on assigned machines and equipment, Initiate RCFA for permanent fixing of unplanned events and maintain equipment to ensure constant availability.
- Review of CLIT sheet, checklists and other equipment monitoring document generated from shift for closure of outstanding issue.
- Ensure electrical standards, Compliance to occupational health and safety, quality standards, and good manufacturing practice are met while executing installation across site.

### International Breweries Plc (ABInBev):

#### Packaging Operator

Nov 2020 – Oct 2021

- Operated/Maintained brewery packaging equipment, implementing ATO standards and quality at source, applying & interpreting PIDs piping and instrumentation diagrams to operate and control complex process.
- Conditioned monitoring and tracking of field equipment's and devices to observe deviation and implement QFR.
- Operated and maintained assorted packaging equipment's i.e. filler, blow moulder, labellers, CIP stations, FLP, EBI/FBI Check mats etc.

### Nigerian Breweries Plc(Heineken):

#### Mechatronics Engineer Trainee SCA

Jan 2020 – Oct 2020

- Learnt mechatronic systems, subsystems, modules, and components.
- Designed and implemented motion control system installations i.e. direct online, star delta, frequency converters (Danfoss & micro master).

## Personal Info

### Address

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### LinkedIn

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## Core Competencies

- Quality, Health & safety practitioner (**QHSE, HSE, HAZID, HAZOP, BBS**)
- Electrical Standards & Power Systems
- Networking & PCD Security
- Instrumentation & Controls
- HMI & SCADA (Supervisory Control Systems).
- Motors, Starters & Motion Control
- PLCs & Controllers.
- Profibus/ Profinet Communications.
- TIA Portal
- Mechatronics system Expert
- Project Management
- Team Management
- Lean manufacturing & waste reduction expert
- BDA, 5S, 5Y, 5M, MTTR, MTBA analysis
- Agile and DevOps expert
- Instrument calibration and maintenance
- Process automation and control system expert
- System maintenance & Structured troubleshooting skill
- Reliability Engineering

## Industries & Process

### Experience

- FMCG
- Oil & Gas
- Power Generation, Transmission, and Distribution
- Construction & Contracting (EPC)

### Project Management Using

- CMMS
- ERP (SAP)
- Slack
- Trello

- Implemented PLC i.e. Siemens simatic S7 300 PLC, profibus communication network, controllers (SIPAT, etc.), (configuration, programming, commissioning and maintenance)
- Learnt how to perform different levels of maintenance i.e. preventive, and condition monitoring maintenance.
- Learnt to operate and maintain assorted packaging equipment's i.e. filler, blow moulder, labellers etc.

#### **Nelhodman Nig. LTD:**

Electrical Engineer

**Mar 2019 – Dec 2019**

- Contract bidding and negotiation involvement, Preparing electrical BOQ/BEME for small & large scale projects.
- Project management activities on large scale, small scale electrical designs, installation and maintenance jobs.
- Constructions materials and equipment sourcing, negotiations, and procurement.
- Budget management, cost saving, Stock counting, keeping and material management supervision.
- Designing and Implementing Electrical System by studying client requirement. Ensuring project meet electrical and construction safety standard.
- Coordinate and train technician and project members to resolved all issues at the project location quickly and effectively to avoid work delays.

#### **Port Harcourt Electricity Distribution Company (PHED):**

Customer Enumerator and Asset Mapper

**Oct 2018 – Mar 2019**

- Customer service support, Engagement and field data capturing, intelligence gathering and analysis of customers in the power distribution sector. Developed clear and concise reports that identify strategic information and provide recommendations for performance improvement.

#### **Absolutecore Engineering Start-up:**

Electrical Artisan(Electrician)

- Managed electrical projects with budgets of over \$18,000 and achieved cost savings of about 20%. Executed several material procurement and delivery.
- Directed and managed shop repairs on high/low voltage equipment's, and execute equipment maintenance strategies.
- Supervised teams of over 50 electricians to successfully execute the entire scope of works which included cable pulling, tray installation, high level wiring of lights, small power and lighting, making off circuits in distribution boards in industrial, commercial and private home within a 3 years' timeline.
- Serviced and satisfied customers around Edo state maintaining good customer relationship.

#### **Internships & Apprenticeship**

**NPDC (Nigeria National Petroleum Corporation Subsidiary)**

**Jan 2015 – Dec 2015**

Internship

- Supported project engineers in supervising and coordinating activities at four oil and gas drilling Sites, and production Flow stations
- Drafted and presented electrical drawings using AutoCAD. Prepared project schedules, and progress reports for ongoing projects.
- Monitored and recorded process parameters (pressure and temperatures) for the equipment and installations (Separators, gas scrubbers, Storage tanks) at the flow station.

**Niger Delta Power Holding Company (NIPP)**

**Nov 2014 – Dec 2014**

Internship

- Support operations and maintenance activities on 4 no's General Electric gas fired simple cycle turbine 112.5MW and 15KVA generator, Exporting to the National Grid at 330KV.
- Troubleshoot/maintenance of High-low voltage switchgears, Hydraulic, pneumatic and electro-pneumatic control systems and Electric motors(pumps), Boiler Equipment-Heat exchangers, and testing/Calibration of field instruments (pressure switches, solenoid/servo-valves etc.).

**UYI ELECTRICAL ARTISAN SHOP June 2007- Dec 2015**

Apprenticeship

- I was an apprentice to a roadside electrician for 8yrs (started while I was in secondary school 2007 on after school basis).
- Went through rigorous training Learning under the direct tutor of the Senior Electrician/Artisan how to manage an electrical contracting business,
- carried out several material procurement and delivery, building designs wiring in domestic, commercial, industrial and private properties, Troubleshoot and resolved electrical faults from several clients.

#### **Education**

**Supply Chain Academy of Nigerian Breweries Plc**

Professional Certification---Mechatronics

**Auchi Polytechnic**

HND (BSc Eq) —Electrical and Electronics Engineering

**Auchi Polytechnic**

OND(Diploma) —Electrical and Electronics Engineering

Ibadan, Oyo State, Nigeria.

**Graduation: Nov, 2020**

Auchi, Edo State, Nigeria.

**Graduation: Oct, 2017**

Auchi, Edo State, Nigeria.

**Graduation: Nov, 2014**

#### **Software & Skills**

- Microsoft Office Tools
- SAP
- CMMS
- Siemens Simatic Manager
- PLC
- Relay Logics
- ASI
- CAD
- SKETCHUP
- P&ID
- HMI
- SCADA
- TIA Portal
- Simatic Manager
- PROFIBUS
- WordPress development
- DEVOPS

#### **Certifications**

- Metrology and Calibration By **Beamex - 2023**
- **National Youth Service Corps(NYSC) - 2019**
- Introduction to Agile Development & Scrum - **March 2023**
- Introduction to cloud computing – **March 2023**
- Introduction to DevOps – **March 2023**
- DevOps Essentials – **March 2023**
- Google UX Design Professional Certification - **May 2022**
- Inspection & Control System: Check mat Certification – **Jun 2021**
- Basic Machine Function-Cold Glue Labelling Machine - **May 2021**
- Container Conveyor Systems - **May 2021**
- Mechatronics Training Certification, Maintenance Technologies Certification - **Nov 2020**
- HSE Level 1, 2, & 3 Certification - **Jan 2019**
- Professional Certificate Program (HSE-PCP) - **Apr 2018**
- Level 3 Certification in Environmental Risk Management with Practice - **Jun 2018**
- First Aid and CPR - **Oct 2018**
- Fire Prevention, Protection and Practical Firefighting - **Dec 2018**

#### **Language**

English:

Professional Working Proficiency

#### **Reference**

**My personal and professional referees are available on request.**