** BENJAMIN**

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 **Summary**

Registered engineer with the knowledge and over six years’ experience in the commissioning, operation and maintenance of instrumentation and control systems of several plants including power plant, water treatment plant, hydrogen plant and demineralization plant.

**Highlights**

* Safety Compliance
* Condition Monitoring
* Control System Troubleshooting
* Calibration of Control Mechanisms
* Project Management
* Maintenance Management
* Technical Documentation
* Spares Inventory Management

**Experience**

**Place of Work:** **Egbin Power Plc**

 Lagos, Nigeria.

**Department:** Instrumentation and Control

**Date:** August 2014 – Date

**Role:** Instrumentation and Control Engineer

**Job Description:**

* Support plant commissioning and performance testing.
* Implement global standards and common processes to assure consistent quality is delivered.
* Communicate project status, schedules, upcoming deliverable, and technical solutions between various teams and with superiors.
* Concurrently work on multiple projects and ensure program cost, quality and schedule requirements are met.
* Coordinate the testing, repairing, calibration and troubleshooting of the Instrumentation and Control systems.
* Provide field supervision over the execution of critical maintenance activities of the equipment and ensure that the problems are resolved with minimum down time.
* Ensure team compliance with company (OSHA standard) Health, Safety and Environment Management System.
* Evaluate the manpower requirement for daily preventive, break down and shutdown maintenance to prepare the job schedule.
* Monitor and control spares inventory in coordination with procurement department by analyzing the stock level and rate of consumption.
* Ensure optimum utilization of the Computerized Maintenance Management System (CMMS) for maintaining job history.
* Synergize with Mechanical and Electrical sections and establish a seamless integration between operation and maintenance teams.
* Prepare and review various maintenance performance reports such as Preliminary Failure and Root Cause Analysis Reports.
* Compile/provide input for preparation of section/department Capital and Operating budgets and monitor annual expenditure budgets.



**Place of Work:** **Egbin Power Plc**

 Lagos, Nigeria.

**Department:** Instrumentation and Control

**Date:** January 2013 – July 2014

**Role:** Instrumentation and Control Technician

**Job Description:**

* Calibrated and tested field instruments with respect to approved P&ID, instrument and check lists.
* Perform preventive, corrective and diagnostic maintenance on the process control systems and control loops.
* Comply with all company Health, Safety and Environment as well as Work Permit, policies and procedures.
* Input data into CMMS maintenance system, such as work order activities, materials and spares, failure reports and manpower statistics.
* Troubleshoot, repair, calibrate and test various types of process control instruments and relay logic
* Troubleshoot and correct problems with Distributed Control Systems.
* Perform routine maintenance on Distributed Control Systems using vendor literature, technical manuals, blueprints and schematic diagrams.
* Ensure the proper documentation of commissioning data of control valves, converters, transducers etc.



**Place of Work:** **Musbau Engineering Services Limited**

 Lagos, Nigeria.

**Department:** Instrumentation and Control

**Date:** July 2005 – August 2007

**Role:** Instrumentation Technician

**Job Description:**

* Carried-out comprehensive loop checks through field - relay room - control room circuitry.
* Perform regular checks, calibration and maintenance of all safety, fire and gas equipment.
* Performed calibration of pressure, flow and level control valves, switches and transmitters.
* Assist other sections such as electrical, mechanical and workshop in the repair and troubleshooting of their instruments.
* Remove, dismantle, overhaul/repair and install electric, pneumatic, electronic or hydraulic control system such as control valves and actuators, recorders, measuring and recording instruments.

**Education and Certifications**

 **2016 Council for the Regulation of Engineering in Nigeria**

 **Registered Engineer**

Registration Number: R34135

 **2015 National Power Training Institute of Nigeria**

 **Graduate Skills Development Programme**

 **Modules Studied:** Power Generation, Transmission and Distribution.

 **2015 Applied Engineering Technology Initiative Limited (AETI), Nigeria.**

 **Basic Operation of Steam Power Plant Training**

 **Modules Studied:** Steam Plant Operations, Plant Distributed Control

 System, HSE, and Steam Turbine & Auxiliaries Maintenance.

 **2015 SEPCOIII – Pacific Electric Power Training Center, Nigeria.**

 **Combined Cycle Power Plant Training**

 **Modules Studied:** Gas Turbine, HRSG and Steam Turbine Controls.

 **2013 International English Language Testing System (British Council)**

 **Academic Module**

Writing- 8.0/9.0 Speaking- 6.5/9.0 Reading- 9.0/9.0 Listening- 6.5/9.0

 **Overall: 7.5/9.0**

 **2013 University of Benin, Nigeria.**

 **Bachelor of Production Engineering**

 **Relevant Modules Studied:** Automation & Control, Maintenance and Reliability

 Engineering, Industrial Engineering, Human Factors Engineering,

 Production Management, Engineering Economics and Administration.

 **2012 MMC Management Consulting, Nigeria.**

 **Industrial/Oilfield Health, Safety and Environmental Management Training**

 **Modules Studied:** HSE Management, Oilfield/Industrial Safety Practices,

Environmental Management, Workplace Accident Prevention and Management, Fire Safety and Occupational Health.

**1999 – 2005 Lagos State Model College, Igbokuta, Nigeria.**

 **West African Senior Secondary School Certificate**

 Engineering based Subjects

**Key Skills and Knowledge Areas**

* Analytical ability and strong attention to safety and technical details acquired by leading instrumentation and control technicians.
* Competent in the use of Microsoft Project, Office; Emerson Ovation Suite; Hitachi HIACS 5000 supervisory software; IBM MAXIMO asset management software and Rockwell RSLogix.
* Proficient in the interpretation of P&IDs, elementary wiring, electrical and functional control logic diagrams that are essential for troubleshooting complex control systems.
* Possess knowledge to troubleshoot Siemens Simatic S7-300 PLC instruments, Emerson Ovation DCS, and Hitachi HIACS 5000 DCS. Developed from working in a 1320MW plant.
* Internationally certified by British Council as an effective reader, listener, speaker and writer of the English Language.
* Capable of learning new trends, techniques and technologies due to strong general engineering, automation and control backgrounds.
* Strong contract management skills garnered from managing installation, operation and maintenance contracts; and power purchasing agreements.