

Christian Aselemi G.O.

**Electrical &
Instrumentation
Engineer**

Contact

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Skills / trainings

Siemens PLC, Allen Bradley
PLC, SCADA, DCS / HMI,
Liquid & Gas Metering, SAP,
Microsoft, PowerPoint, Excel,
SPI (Intools), Auto Cad.

Oil & Gas Instrument
Construction, Commissioning,
Operations & Maintenance.

Knowledge of OPERCOM
(Used by Total Energies for
Precom)

Certifications

- SmartPlant Instrumentation
Design (Intools)
- Yokogawa Flow Metering
and Measurement Certified,
Yokogawa **UK** Training
Centre (2012-07)

Experienced Electrical & Instrument Engineer with 10 Years Oil & Gas experience eager to contribute to team success through hard work, attention to detail and excellent organizational skills. High knowledge of **PLC, SCADA, DCS**, HMI and Field Instrumentation and trainings / **Certifications** in Yokogawa Flow Metering and Measurement United Kingdom (**UK**) Training Centre, Siemens & Allen Bradley PLCs, Delta V DCS, Process Safety (in Oil & Gas Industries), Diploma in General metering, **NFOGM** (Norwegian Society for Oil and Gas Measurement). Diploma in Fiscal gas metering Level 1&2 **NFOGM**, Diploma in Multiphase metering **NFOGM**, Diploma in Fiscal metering of petroleum liquids Level 1&2 **NFOGM**, Certificate in Ultrasonic Flow meters (Liquid & Gas Inline/Clamp on), Certificate in Radar level measurement, Electrical Safe and Habilitation (HOV, B1V, BR,) GE compressor Overview and Maintenance, GE Casing Vibration and Measurement, Certificate in Measurements (Basics and Physics of Gases), Fir-eye Flame detection and Burner Management. Motivated to learn, grow and excel in oil & gas, petroleum refining Industry.

Work History

2019-10 - Current

Electrical & Instrument Commissioning Engineer

Amazon Energy Limited, NAOC Kwale Gas Project, Delta State, Nigeria.
Achievement:

- Mechanical completion, Pre- Commissioning, Commissioning and Start-Up of **ATM, LP** compressors, balance of plant (**BOP**) and Nitrogen / Instrument air compressor unit of Nigerian Agip kwale Gas Project.

Deliverables:

- Develop Instrumentation IO lists, Datasheets for NO/OFF valves, control valves, flowmeter, transmitters, pressure safety valves, motor operated valves, Functional Test Procedures, Start Up Procedures and Operational Test Procedures and Performance Test for instrument discipline.
- Analyzed engineering designs for improvements and modifications.
- Develop control deliverables such as Control Narratives and Cause & Effect diagram, Control system architecture, loop drawings.

Electrical Deliverables:

- Carry out Pre commissioning Visual checks, Circuit breaker tripping test, Loop test, Ohmic test between phases, Insulation resistance / Megger test, Earth leakage testing and lamp indicator test.

- Yokogawa Flow Metering and Measurement Certified, Yokogawa **UK** Training Centre (2012-07)
- APAVE Certified in Electrical Safety and Habilitation (HOV, B1V, BR) Valid to 16-09-2024
- Process Control / Safety (in Oil & Gas Industries)
- Diploma in General metering - NFOGM (Norwegian Society for Oil and Gas Measurement)
- Diploma in Multiphase metering - NFOGM
- Diploma in Fiscal gas metering LEVEL 1&2 - NFOGM
- Diploma in Fiscal metering of petroleum liquids LEVEL 1&2 NFOGM
- Certificate in Ultrasonic Flowmeters (Liquid & Gas Inline/Clamp-on) - KROHNE ACADEMY
- Certificate in Radar level Transmitter Measurement - KROHNE ACADEMY
- OPITO (BOSIET) with CA-EBS Valid to **19-09-2022**
- Fir-eye Flame detection and Burner Management
- Technical Safety Engineering

- HV and LV power distribution and control network and perform basic voltage drop calculations, power factor correction, sizing and specifications of electrical distribution equipment.
- Inspection of Transformers, Switchgears and Panels, Earthing systems/ Lighting protection.

2018-03 - 2019-08

Instrument Commissioning and Start-Up Supervisor

Company: *Total Upstream Nigeria*, **Location:** *Total EGINA FPSO, Deep Water Nigeria.*

Achievement: *Mechanical Completion, Pre- Commissioning, Commissioning and Start-Up of **Total EGINA FPSO.***

Deliverables:

- Commissioning and Start-Up of High-Integrity Pressure Protection System (HIPPS), functionality test on Auto choke Valves and Export Line Valve Total EGINA FPSO.
- Supervise pre-commissioning and functionality test on pressure, level, flow, temperature transmitters, flame and gas detectors across Main Turbo Generator, Hull Air Compressor Package, Air Handling Unit, Emergency Diesel Generator, Nitrogen Generator Packages (A/B), Inert Gas Generator, Sea Water Booster Pump (A/B/C), Crude Oil Fiscal Metering, PIG Launcher / Receiver, Pressure Surge Vessel, Crude Oil Offloading Pumps (A/B/C/D), Gas Export Metering Package, Glycol Regeneration Package, MP & HP Compressors, Fuel Gas Skid
- Supervise loop test, troubleshooting and commissioning of Motorized Operated Valve (MOV) on Egina FPSO metering skid
- Supervise preventive and corrective actions on pre-conditioning heater, dew point analyzer transmitter, gas chromatograph, sampling unit and functionality test on gas metering Flow, pressure and temperature transmitters.

2014-03 - 2018-01

Instrument Commissioning & Start-Up Engineer

Company: *Shell Petroleum Development Company (SPDC).*

- **Projects Delivered:** *BONGA FPSO, SEA EAGLE FPSO, FYIP Kolo Creek, Gbaran To Soku Gas Project, Deep Water, Swamp Nigeria*

Creek, Gbaran To Soku Gas Project, Deep Water, Swamp Nigeria.

Deliverables:

- Certificate in (Functional Safety [SIL]) - KROHNE ACADEMY
- Certificate in Measurements (Basics and Physics of Gases) - KROHNE ACADEMY
- Certificate in (Basics of Explosion Protection) - KROHNE ACADEMY
- MTL Intrinsic Safety and Protection
- Alarm Management Certification

- Commissioning of filed equipment such as Screw Compressor 1 & 2, AG Compressor 1& 2, Export Compressor 1 & 2, Instrument Air Unit, Nitrogen Unit, Glycol Regeneration Unit, and Fuel Gas Unit
- Execute pre-commissioning activities across Central Processing Facility, South & North Bank Station (Such as Cold Loop & Hot Loop test, Calibration of Fieldbus & HART transmitters / valves, Internal wiring within Compressors/ pumps/ Instrument Air/ Nitrogen Unit, Delta V Cabinet/ HIMA and F&G Cabinets, Functional test on transmitters/ valves and Field Equipment, Cause & Effect test on Safety Instrument System and Fire & Gas.
- Functionality test on High-Integrity Pressure Protection System (HIPPS), Auto choke Valves and Export Line Valve
- Functionality test of Open Path Gas Detectors, Smoke Detectors, Flame Detectors and Manual Call Points
- Functionality test and commissioning of instrument air compressor
- Conducted Cause & Effect functionality test of safeguarding equipment with initiation of OSD & ESD from Kolo-creek, Gbaran and Soku Gas Plant

2013-10 - 2014-02

Project Electrical & Instrumentation Engineer

Company: NIGERIA LNG LTD, Location: Plant Site, Bonny Island Nigeria

2009-05 - 2011-01

Instrument Maintenance Technician

Company: Oversea Technical Services, Location: NLNG Plant Site, Bonny Island Nigeria

Education

2011- 2013	HND Upper Credit: Electrical / Electronics Engineering <i>Rivers State Polytechnic Bori. - Nigeria</i>
2007- 2009	ND: Electrical / Electronics Engineering <i>Rivers State Polytechnic Bori. - Nigeria</i>

