

CAREER SUMMARY

Head Mechanical Static • Principal Mechanical Static Engineer • Lead Mechanical/Piping Engineer • Snr Mechanical Static Engineer • Piping Engineer

- He has about 20 years working experience in oil and gas projects, delivered projects across the Opportunity realization phases, from Conceptual Engineering studies all through to Detail Design covering both green and brownfield projects within and outside Shell. Played key roles in various teams in different capacity both locally and internationally on projects for LNG plants, Gas processing plants, Offshore production facilities and As built site survey.
- Sound experience in implementing and managing processes that maintain asset integrity and process safety both on new projects and existing facilities/Asset. Skilled in mechanical equipment design and expertise in equipment layout/piping system design covering 3D and 2D CADD Modeling systems, piping stress analysis and pipe support design.
- Strong project management experience delivering projects covering both green and brownfield projects within and outside Shell. Managed and delivered several projects for SPDC, SNEPCO and during previous work experience in Exxon Mobil. He has exceptional stakeholder's management skills, which he deployed on work activities while interfacing with regulators on the BSWA project and deployed for effective delivering of asset projects through 3rd party contractor.
- Excellent leadership skills and highly effective working with individuals and teams with a strong passion for people development.

EDUCATION/ PROFESSIONAL CERTIFICATION

B.Eng. Metallurgical & Material Engineering
Federal University of Technology Akure Ondo State.

TA2 Mechanical Static
COREN Certified
APM/IPMA Certified

Nigeria LNG Company Rivers State_	2022 - Till date
<i>Oil and gas Exploration</i>	

Job Role: Head Mechanical Static (Plant Integrity)

Recruited to provide specialist Mechanical Static Equipment Engineering inputs as Technical Authority (TA-2) for the NLNG Plant and Gas Transmission System (GTS) in order to achieve the Plant integrity, reliability, and availability objectives of the business. This will cover inputs to Plant project designs / as built documentation, QA/QC coverage for mechanical joints. This role also manages health of the Mechanical Static Engineering skill pool within NLNG

Shell Nigeria Exploration and Production Company (SNEPCo), Lagos	2019 - 2021
date	

Job Role: Principal Mechanical Static Engineer BSWA Project

Recruited to provide technical assurance to Mechanical Static deliverables on the BSWA project, this entailed delivery of required technical input to develop the ITT for BSWA project, execute technical bid evaluation and all technical/project activities required all through preceding contract award and subsequent follow through to detail design, commissioning and handover.

- **BSWA ITT:** Assured and delivered the Mechanical Static technical requirements contained in about 20 No. deliverables that went as input into development of the ITT that was sent out to the Tenderer.
- **Tenderer Clarification:** Coordinated and closed out technical response to over 70 clarifications from the various Tenderers bidding for the project to ensure compliance to project technical and safety requirements
- **Bid Evaluation Criteria & TBE :** Developed about 10 No. evaluation criteria's that was used for assessment of bids and complete the technical bid evaluation on MMI Scope reviewing and assessing over 80 No deliverables from all Tenderers.
- **DEMI & PSBR Compliance:** Coordinated the review of project compliance to DEMI & PSBR requirement for the EPCI scope on the BSWA project and followed up on close findings.
- **Tenderer Acceptable Vendor List (AVL):** Coordinated the review of AVL submitted by Tenderer and managed compliance to MESC requirements.

Shell Nigeria Exploration and Production Company (SNEPCo), Lagos

2013 - 2019

Job Role: Snr Mechanical Static Engineer Bonga Asset Support

Recruited to provide engineering support to Asset and Major Projects to deliver on production targets as well as provide Mechanical Static technical input required to ensure asset integrity and process safety

Conceptual Project:

- Initiated and secured approval for an MOC required to support the Water Injection Pump Drive Upgrade to Dual Fuel on Bonga, also responsible for technical assurance on all deliverables for FEED/ Detail Design project, procurement and construction support.
- **Long time Solution to Water Flood leaks:** Matured a front-end conceptual opportunity to proffer a solution to the incessant leaks in the water flood system on Bonga, secured DG2 Approval and handed over project for further development

FEED/Detail Design Project

- **Dual fuel project(20M): Detail Design for Dual fuel project(20M):** Managed and delivered the detail design for the dual fuel project through 3rd party design contractor.
- **Bonga North Infill FEED Project:** Developed equipment layout study for the new equipment's to be installed on an existing FPSO, managed several reviews and provided technical assurance of the equipment layout study reports, documentation and drawings

Asset integrity Work Assignments

- **Vibration Assessment:** Coordinated the Vibrations Assessment on Bonga PFL 08, 09, 11, 12 to close Fountain action and proffered solution to maintain integrity of the various flowlines.
- **Hardware Barrier Assessment (HBA) :** Led the frequent Hardware Barrier Assessment (HBA) for Mech Static Pressure Containment Safety Critical Elements (SCE's) on both Bonga & EA to assure that the SCE are fit for purpose.

- **Failure Investigation of Mechanical Static Equipment on Bonga:** Led investigation on the NRV failure in the water flood charge pump system and proffer solution to address frequent failures

Continuous improvement work assignment

- **Audit of SNEPCO Engineering Team:** Led an Audit team member for Document Management & Archiving Audit on the SNEPCO engineering team to identify system gaps and recommend solution. Also executed Audit on the quality management system on SNEPCO DWP, identified continuous improvement initiative's and made recommendations to management.

Shell Petroleum Development Company FEED Office, Port-Harcourt

Oil and gas Exploration

Job Role: Senior Mechanical /Piping Engineer

Recruited to evaluate, compile and generate technical deliverables for both detail design and FEED projects designed to improve oil production in existing facilities as well as development of new oil prospects for SPDC

- **Brown Field projects:** Delivered over 40 No brown field minor modification projects in SPDC FEED Office for both land and shallow offshore Asset, developed mechanical static deliverables comprising of Plot plan/ Layout, piping general arrangement, piping demolition, Isometric, stress Analysis, MTO and reports. Assured technical deliverable from 3rd Party design contractors and led several design reviews. Notable projects delivered are:
 - o *Soku condensate Spiking Project:*
 - o *Awoba facility projects;*
 - o *AG Solution FEED Project*
 - o *Kolo Creek Deep Field Development project*
 - o *Santa Babara late development oil project*

EXTERNAL PROFESSIONAL EXPERIENCE

Mobil Producing Nigeria Limited (subsidiary of ExxonMobil) Lagos

2011 - 2013

Oil and gas Exploration

Job Role: Lead Mechanical /Piping engineer

Recruited to provide discipline management, review of Mechanical/piping design and deliverable for the detail design of 4 new offshore well head platform and associated Brown field work on 4 existing production/wellhead platform on SFD2 project

- **Approved for Construction drawings (Layouts, GA, Isometrics):** Managed a team of over 15 personnel of a 3rd party design contractor to deliver the mechanical static scope, reviewed and approved the design to ensure compliance to design, operational and maintenance requirements and approved over 500 AFC drawings and over 200 data sheets for piping and valves components.
- **Model Review:** Led the 30%,60% and 90% model review on the project, coordinated comments from construction, operations and maintenance into the design and followed up on action and updates to closure on the design.

- **Engineering RFQ packages:** Reviewed and approved engineering requisition for mechanical piping items and provided required assurance and quality control input in the respective ITP.

National Engineering and Technical Company (NETCO), Lagos

2002 - 2011

Engineering Design Services

Job Role: Piping Engineer

Recruited to deliver piping engineering design on projects for various clients in the oil and gas exploration business. Generate technical deliverables for both detail design and FEED projects for various Clients. Some of the projects executed are:

- *BONGA FPSO Flare Boom Detail Design project*
- *Detail Design for Fractionation Units Trains 4 & 5 NLNG*
- *OKLNG FEED Project (Mw Kellogg London office)*
- *NAOC FEED Project.*

OTHER CERTIFICATIONS/AWARDS:

- HSSE-SP Audit Certification
 - Fitness for Service Certification
 - PE Level I Certification(In view)
 - Introduction to Negotiations Certification(SOU)
 - DWP LT Award for People Development (2016)
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