Contact:
nnaemeka.chukwu28@yahoo.com
+2348066991119
Plot 16, Unique Estate, off Mubarak Bus Stop, Akute, Lagos.

Chukwu, Nnaemeka Stanley

Senior Mechanical Engineer

PROFESSIONAL SUMMARY

A Senior Mechanical Design Engineer with over 10 (ten) years' cognate experience in engineering in Oil and Gas industry, especially static, rotating, package equipment, heavy duty equipment and piping systems. Hands-on experience in Onshore & Offshore Engineering including Facility Upgrades, Conceptual Studies, FEED, Detailed Engineering Design and Construction.

I am conversant with the international codes and standards applicable to Oil and Gas particularly in Mechanical and Piping Engineering (ASME and API Standards). I have undergone professional trainings/courses on some Engineering Software, Project Management, Quality Management System (QMS), Health, Safety and Environment (HSE). I am reliable, focused, intelligent, self-motivated and creative.

Key Skills:

- Project design basis, scope definition – Master Deliverables Register (MDR), Cost, Time and Resource (CTR) Planning. HAZOP, Design Reviews and Constructability Reviews.
- Experience in equipment specifications, selection and development of several engineering requisitions particularly pumps, package equipment and pressure vessels.
- Experience in static equipment with extensive knowledge of process plant equipment such as tanks, pressure vessels, heat exchangers to ASME and API standards.
- Strong ability to carry out complete detailed design calculations on static equipment especially Pressure Vessels, Storage Tanks and Pig Traps with full compliance to the industry standards and the client's specifications.
- Material requisition, Technical Bid evaluation, Vendor data review for mechanical equipment.
- Conversant with the Engineering Codes and Standards applicable to Oil and Gas especially in Mechanical and Piping Engineering. (API, ASME, NFPA).
- OSHA, CIEH and NISP specialized trainings on Health Safety and Environment.
- Good Team player - ability to work with people of different nationality and cultural backgrounds.
- Effective Presentation and Communication skills.

Software Competencies:

- PV Elite, CodeCalc, AMETank, AutoCAD.
- Proficiency in the use of Microsoft Office Suites (MS Word, Excel, PowerPoint, Outlook).

EXPERIENCE

Employer: Frazimex Engineering Limited (An OilServ Group)

Projects: AKK Project, ANOH Project (Detailed Engineering Design)

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Senior Mechanical Engineer

Clients: NNPC, SPDC

Duration: September 2019 - Till Date

Position: Senior Mechanical/Piping Engineer

RESPONSIBILITIES

- Prepares Technical Specifications, Datasheets for Vessels, Tanks, Pumps, Package Equipment items
- Prepares Piping MTO
- Carry out complete mechanical design of static equipment (Pressure Vessels and Pig Traps) – Designs completed with full compliance to industry standards and Client's specification (Shell DEP).
- Supervises CAD Designers

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Usari Alternate Development Project (UADP) (Construction – Follow-On Engineering)

Client: Mobil Producing Nigeria (MPN)

Duration: March 2019 – August 2019

Position: Senior Mechanical Engineer

RESPONSIBILITIES

- Assessment/Review of Technical Bid Evaluations from Sub-Contractors for Fabrication of Vessels, Tanks and procurement of Pumps, Pedestal Crane.
- Review of Mechanical Deliverables to suit construction activities for As-Built documents.
- Supervision and Inspection of Supplied Materials to match specifications.
- Follow-On Engineering

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: NLNG Train 7 Project (Onshore - FEED)

Client: NLNG NIGERIA LTD

Duration: September 2018 – March 2019

Position: Mechanical Engineer

RESPONSIBILITIES

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- Prepared Datasheets for Static Equipment (Pressure Vessels, Shell and Tube Heat Exchangers, Air-Cooled Heat Exchangers).
- Modeled Pressure Vessels using PV Elites.
- Prepared Datasheets for Rotating Equipment (Pumps, Compressors)
- Mechanical Designs completed with full compliance to industry standards and Client's specifications (Shell DEP)

EXPERIENCE

Employer: Telisol Limited

Project: Office and Residential Complex Building (Construction and Installation)

Client: American International School (AIS)

Duration: April 2018 – August 2018

Position: Senior Mechanical Engineer

RESPONSIBILITIES

- Supervised the Installation of Firewater Systems, Piping/Plumbing Systems
- Supervised the Construction and Installation of Sewage Treatment System
- Conducted Pressure Testing of Piping/Plumbing Systems and Firewater lines
- Prepared weekly reports of work progress on site

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Escravos Export System Project (EESP) (Offshore - Detailed Engineering Design)

Client: Chevron Nigeria Limited (CNL)

Duration: Oct 2017 – Mar 2018

Position: Senior Mechanical Engineer

RESPONSIBILITIES

- Prepared TBE's for mechanical and piping items (valves, pipes, elbows, bolts and nuts)
- Reviewed vendor data submissions
- Prepared Technical Requisitions for materials and piping items

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

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Project: Antan Field Development Project (Offshore - Detailed Engineering Design)

Client: Addax Petroleum Development (Nigeria) Limited (APDNL)

Duration: January 2017 –May 2017

Position: Senior Mechanical Engineer

RESPONSIBILITIES

- Design Calculations of Static equipment (K.O Vessel, Diesel Tank and Service Water Storage Tank)
- Procurement Support, Review of Vendor Technical Documents, Material Handling Study
- Prepared equipment deliverables (datasheets, specifications, calculations)

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Assa North Ohaji South Project (Onshore - FEED)

Client: Shell Petroleum Development Company (SPDC)

Duration: July 2015 – Sept 2016

Position: Mechanical Engineer

RESPONSIBILITIES

- Developed/Prepared Equipment Specifications (For Process Pumps, Shell and Tube Heat Exchangers, Air-Cooled Heat Exchangers, Packaged Equipment)
- Developed/Prepared Equipment Datasheets (Process Pumps, Heat Exchangers, Packaged Equipment, Chemical Injection Systems, Firewater Systems)
- Modeled Pressure Vessels using PV Elite, Preliminary Design Calculations for Static Equipment

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Ubit GP Restoration Project (Offshore - FEED)

Client: Mobil Producing Nigeria (MPN) Unlimited

Duration: May 2015 – July 2015

Position: Mechanical Engineer

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RESPONSIBILITIES

- Modeled Pressure Vessels using PV Elite , Design Calculations of Static Equipment (Separators, Closed Drain Vessels, Sump Tank)
- Developed/Prepared Equipment Specifications, Datasheets, MTOs

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Ofrima Udele Project (Offshore - Pre-FID)

Client: Addax Petroleum Development (Nigeria) Limited (APDNL)

Duration: June 2014 – September 2014, December 2014.

Position: Mechanical Engineer

RESPONSIBILITIES

- Modeled Pressure Vessels using PV Elite, Design Calculations of Mechanical Equipment
- Developed and prepared Equipment Datasheets (Chemical Injection System, Methanol Injection System, Instrument Air System)
- Developed and prepared Equipment Reports (Chemical Injection System, Methanol Injection System, Instrument Air System)

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Funiwa Gas Project (Onshore - FEED)

Client: Chevron Nigeria Limited (CNL)

Duration: Dec 2013 – April 2015

Position: Mechanical Engineer

RESPONSIBILITIES

- Basic Design Calculations of Mechanical Equipment
- Developed and prepared Equipment Datasheets, Review of other Disciplines' Deliverables
- Developed and prepared Equipment List and Long Lead Items List

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EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Funiwa Gas Project (Onshore - Pre-FEED/Conceptual Design)

Client: Chevron Nigeria Limited (CNL)

Duration: May 2013 – Nov 2013.

Position: Mechanical Engineer

RESPONSIBILITIES

- Developed an integrated Equipment List and Long Lead Items List for all equipment comprising Mechanical, Electrical, Instrumentation & Control and Loss Prevention.
- Review of other Disciplines' deliverables
- Preliminary Design Calculations of Equipment Weights

EXPERIENCE

Employer: DeltaAfrik Engineering Limited

Project: Satellite Fields Development Phase 2 (SFD2) (Offshore - Detailed Engineering Design)

Client: Mobil Producing Nigeria (MPN)

Duration: May 2011 – Jan 2013.

Position: Mechanical Engineer.

RESPONSIBILITIES

- Design Calculations of Static equipment (Vent Scrubber, Test Separator, Drum, Sump Tank)
- Prepared datasheets for Material Handling Equipment (Trolley Hoists, Chain Hoists, Ratchet Lever Hoists, Floor Crane, Jib Crane, Platform Trucks, Hand Trucks)
- Procurement Support, Material Handling Study

EXPERIENCE

Employer: Ranc Limited

Project: Operations and Maintenance of a Gas Turbine Power Plant

Client: Shell Petroleum and Development Company (SPDC-West)

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Duration: Oct 2010 – May 2011

Position: Mechanical Maintenance Engineer

RESPONSIBILITIES

- Daily routine operational checks on the Gas Turbine Power Plant
- Provided support during Plant's servicing and maintenance
- Monitored and recorded the Plant's performance
- Provided Plant's improvement plans and procedures
- Operational checks and maintenance on emergency generators.

EXPERIENCE

Employer: Government Science School Obi, Obi LGC Nasarawa State

Project: National Youth Service Corps

Duration: Nov 2009 – Oct 2010

Position: NYSC - Teaching

RESPONSIBILITIES

- Taught Physics, Chemistry and Mathematics
- Prepared and recorded assessment tests and examination for students
- Evaluated and monitored the students' performance on regular basis.

EXPERIENCE

Employer: Ranc Limited

Project: General Overhauling/Servicing of a Gas Turbine Engine

Client: Shell Petroleum and Development Company (SPDC-West)

Duration: Mar 2007 – Jan 2008

Position: Trainee Engineer – Mechanical

RESPONSIBILITIES

- I underwent training on general servicing and maintenance of a Gas Turbine Engine.
- Provided support to the Team for the Overhauling of the Gas Turbine Engine

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- Assisted in taking inventory on the machinery spare parts and tools
- Provided support to the Team for day-to-day field activities
- Assisted in monitoring the overall performance of the Gas Turbine and other support Generators

EDUCATION

2003 -2008: B. Eng. Mechanical and Production Engineering – Second Class Honors (Upper Division).

Enugu State University of Science and Technology (ESUT) Enugu

REGISTRATIONS/AFFILIATIONS

- Registered Member – Council for the Regulation of Engineering in Nigeria (COREN) – R49617
- Corporate Member - Nigeria Society of Engineers (NSE) (NSE No; 35185)
- Affiliate Member – World Safety Organization (WSO)
- Associate Member – Nigeria Institute of Management (NIM)

SPECIFIC TECHNICAL EXPERTISE/SPECIALIST COURSES

- Safety Certified Construction Supervisor (SCCS) Certification – World Safety Organization (WSO)
- Training on ASME Boiler & Pressure Vessel Code, Section VIII, Div. 1
- Certificate of Course Completion – ISO 9001:2008, Quality Management System Documentation
- Certificate of Course Completion on Health and Safety in the Workplace – Chartered Institute of Environmental Health (CIEH)
- Occupational Health and Safety System Awareness/Environmental Management-Best Practice Training (OSHA)
- Certificate of Course Training in Project Management Professionals – Certified Associate Project Management (CAPM)
- Certificate of Course Training on AutoCAD 2012 – Autodesk Certification.

BIO DATA

- State of Origin: **Imo State**
- Place of Birth: **Enugu**
- Date of Birth: **April 10, 1984**

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Senior Mechanical Engineer

- Marital Status: **Married**
- Sex: **Male**

LANGUAGES

- English – Proficiency/Fluency in speaking, reading and writing
- Igbo (Proficiency in speaking, reading and writing), Hausa (basic), Yoruba (basic)

HOBBIES

- Reading books, Research, Watching Football, Singing, Swimming

REFEREES

Available upon request.