

ABODIKE EMMANUEL UCHENNA

QA/QC ENGINEER (INSULATION, WELDING SUPERVISION, NDT SPECIALIST, RAT1, PMP & PROCESS DESIGN)
(Oil and Gas/Construction and Design)

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Personal Information

Sex	Male
Nationality	Nigerian
Languages	English
Experience	9+ Years

CAREER SUMMARY

An Engineer with a wide range of experience in oil and gas, marine, construction, fabrication, engineering and certification industry. A welding inspector and QA/QC professional offering over 9 years' experience in managing various welding, inspection, repair and modification projects while complying with the highest level of safety during all stages of work, thus avoiding any type of incidents/accidents. Certified QA/QC Engineer, conversant with British, EN, American and International codes and standards, having worked with AWS D1.1, API 1104, ASME V, ASME B31.3, ASME B31.8, GSPLR 420, GSCOR 350, GP 29-03-02, GP 29-03-09, Shell DEP etc. Expertise in checking, inspecting and testing incoming welding materials to ensure they meet job quality specifications. Accurately preparing and maintaining periodical inspection reports and forwarding NCRs, worksheets and EDRs to related departments when needed. Skilled in performing inspection on pressure and non-pressure boundary components, assemblies and structural fabrications. Competent in defining requirements pertaining to welding, materials, fabrication and NDT activities in accordance with the applicable specifications, codes and standards. Instrumental in acquiring strong understanding about vessel architecture, aft, forward, mid-ship, port and starboard sides as well as all the internals covering the stiffeners (transverse and longitudinal sections), shell plating and all the support structures. An average knowledge in process design and development of P&ID for different plant and process facilities.

CORE COMPETENCE:

Field roles on QA/QC, NDT and RAT1 Inspection

- Monitoring Welder Performance, NDE Inspection and Pressure Tests, Conducting Visual Inspection, Reviewing Technical Documents/Engineering Drawings, Consultant and Sub-Contractor Liaison, Third Party Inspection Coordination, Monitoring Material Receiving, Health and Safety Compliance, Calibrating/Validating Equipment and Tools, Implementing Quality Management System, (QMS), Planning and Conducting QA Audits, Leadership and People Management.
- Reviewing, auditing and compilation of project documentation/certification, including ITP's, method statements, material certification etc.
- Extensive knowledge of welding processes and Inspection, WPS, DT and PQR/WQT Testing.
- Painting / coating inspection of steel structural works, pipeline, pressure vessels, and offshore vessels.
- Experienced in welding Inspection on live gas pipelines, in service pipeline, process piping plus fully versed with all forms of inspection.
- Non-destructive testing: Extensive knowledge of RT, RTFI, PT, UT, CRI, & MPI.
- Hands on training on the Application and Inspection of Thermal Spray Aluminum Coating process.
- Ability to coordinate inspection teams and NDT sub-contractors to meet project requirements.
- Concrete weight coating: All online and Laboratory testing, core and cube Preparation and crushing, sieve analysis of aggregates, etc.
- Procedure preparation and reviewing with the necessary specification and inspection & test plan (ITP) on Projects, as well as preparation of work instructions for level 1 NDT personnel.
- Cold and Hot Insulations Inspection.
- Rope Access Inspector
- Final Inspection and Load-out of coated joints.

PROJECT MANAGEMENT ROLE

- Monitoring storage and control of welding materials to see if it conforms to manufacturer's recommendation.
- Planning and controlling of job activities according to project requirement.
- Organizing and leading of the workforce in the field on the job.
- Delivering and mentoring new personnel in the form of OJT during activities.
- Conduct seminars and workshops for personnel to refresh and equip them for tasks.
- Documentation and process control according to ISO 2008 – 9002

PROCESS DESIGN ROLE

- Worked with equipment designers and manufacturing officers to develop a cost-effective and working production process.
- Oversee the design, modeling, execution and analysis of Process engineering requirements, Preparation of FEED and detailed design deliverables including
- Performs process simulations and developed Process Flow Diagrams (PFD's), Heat and Material Balances, Piping and Instrumentation Diagrams (P&ID) and other process, mechanical and piping deliverables.
- Periodically participates in HAZOP studies
- Preparation of piping class, piping material specifications and other piping deliverables and process deliverables

PROFESSIONAL QUALIFICATION AND ASSOCIATE BODIES:

○ Member Nigerian Society of Chemical Engineers MNSCHE	2011
○ IRATA Rope Access Level 1	2014
○ CSWIP 3.1 Welding Inspector Level (108848) Expires(24/03/2021)	2016
○ PCN RFI/RT Level 2 (324553) Expires(09/07/2019)	2014
○ American Society for Non Destructive Testing Level 2 [MPT,DPT,UT,VI]	2015
○ Basic Offshore Safety Induction and Emergency Training, HUET (in view)	2013
○ Society of Petroleum Engineers.	2007
○ National Youth Service Corps.	2011
○ Onshore And Offshore Design Skill Certified By Chevron Nig Ltd(CNL)	2010
○ HSE(Health Safety and Environment) Certified	2008
○ ISO 9001:2015(QMS) Auditor/Lead Auditor (in view)	2015
○ Registered Member of (BINDT,ASNT, TWI, UKAS, MYNDT FORUM, PMP and NIM)	2014

JOB/PROJECT EXPERIENCE

ARCOT-GREEN LIMITED

(Pipeline and Storage Tank Inspection Services, Preventive Maintenance Implementation, FMEA Audits, Procurement of Equipment and Materials, Maintenance Audits, Maintenance Strategy Development, Physical Asset Verification & Compilation, Asset Tagging and Reconciliation)
April, 2016 – Present

QC/PROJECT ENGINEER

CLIENT(s): SEPLAT PETROLUUM DEVELOPMENT COMPANY OF NIGERIA

PROJECT: Physical Asset Verification for Seplat Nigeria Limited, Engineering Design Update, AS-BUILT Process, Inspection of fabricated process lines and vessels of carbon steel and duplex stainless steel, Pressure testing of instrumentation lines and vessels.

- Ensure Fabricated items are in accordance with the design principles
- Supervises and coordinates all activities related to Quality Control and Quality Assurance of inspection of works
- Determines project responsibilities by identifying project phases and elements, assigning personnel to phases and elements and reviewing bids from contractors.
- Works with fitters and welders engaged in construction, installation to ensure the Quality Control program is executed and client quality requirements are achieved
- Maintains project schedule by monitoring project progress, coordinating activities, resolving problems
- Inspects work to ensure conformance with specifications defined in the job package
- Proper Monitoring of joint Fit-up of vessel, structural component and light attachment
- Ability to Interpret P&ID, PFD, Single and branched line diagram
- Controls project costs by approving expenditures; administering contractor contracts

BUREAU VERITAS (BV), Ghana (MPS)

(Inspection and verification, Management system certification, Advanced Engineering, Safety, Risk Base Inspection, E&P and compliance)
September, 2015 – March, 2016

FREELANCE QA/QC Inspector

CLIENT(s): KARADENIZ POWERSHIP AYSEGUL SULTAN TURKEY, ECG, GRIDCO, MPS Ghana etc.

PROJECT(s): GOTTWALD MOBILE HABOUR CRANE MHC 06 Upgrade, Operational Test Measured Site Net Output, Sea Fastening Remforza, UT, MPT and DPI check of Lay and Weld of 4''Sch 807.5km Dual string Flow Line, Nigeria, Inspection check for Fabrication of dematerialize stainless pipes lines.

- Responsible for managing audits, ensuring work is assigned, completed timely, and work papers sufficiently support identified risks. Perform work paper reviews and audit wrap-up procedures verifying audit objectives are achieved and controls properly evaluated
- Verify that dimensions, fit-up and weld preparations are in accordance with specifications.
- Verification of correctness of welding consumables (electrodes, filler wires, consumable in-serts, gases, fluxes etc.)
- Carry out radiographic Film Interpretation as a third party witness
- Verify parent material against documentation and markings.
- Coordinate Radiographic Testing and Evaluating result as applicable to clients ITP
- Check, review, accept and reject welds that are not within the client's scope requirement.
- Surveillance during welding to verify compliance with specified procedures including any pre-heat, interpass temperature control, post heat requirements and PWHT when necessary.
- Carryout Magnetic Particle Testing for Ships, Vessels, pipes and structural joints/welds.
- Update Non Destructive Testing (NDT)activities as per client requirement
- Witnessing Destructive Testing for WPS, WPQR and WQT preparation
- Supervise Weld, welding and welded joint of Plates, spools and pipelines
- Report HSE anomalies and ensure that permit to work (PTW) is available prior to job commencement.
- Take part in various multitasking Project QMS Audit(Internal and External)
- Provide timely corrective action to identified non-conformities
- Compiling WPS, WPQR, WQP and witnessing welder qualification tests
- Monitoring sub-contractors progress, checking welding, NDE procedure and inspection of finished product.
- Raise Non-conformance Report(NCR) for scope violation
- Proper Monitoring of joint Fit-up of vessel, structural component and light attachment
- Perform evaluation and preparation of inspection reports for the employer or the client.
- Interpretation of the intent and ensuring the requirements of codes, standards and specifications are met.

NIGERDOCK PLC FZE

(Engineering, Procurement, and Fabrication)

January,2014 –August 2015

QA/QC Inspector(Welding)

CLIENT(s): Exxon Mobil, SAMSUNG HEAVY INDUTRY(SHI)

PROJECT(s): ERHA PROJECT, EGINA FPSO

- Visual inspection and dimensional check of completed weld against specification requirements and drawings.
- Assistance and agreement with the preparation of Inspection and Test Plans (ITP's)
- Ensure weld is completed with limited approved Welding Procedure(WPS)
- Perform, attain and meet all the requirement concerning welding inspection and its practices
- Underwent an exhaustive Welding Inspection training through Nigeria Content NCDMB
- Interpret or evaluate test results in accordance with applicable codes, standards, specifications, or procedures.
- Participate in safety tour, visits, tools box talk, JSA etc. at the worksite as required
- Trained on the use of Welding Procedure Specification(WPS),PQR and welding Process in accordance with AWS D1.1, ASME B31.1 and GS EP STR 30, ASME IX,ASME V,AMSE IIIV, API 1104, API RP 2X, Shell DEP and Chevron SDP-SGEN-TEC-SPC-CNL
- Select, calibrate, or operate equipment used in the non-destructive testing (NDT) of products or materials.
- Verify, when required that post weld heat treat-ment has been conducted in accordance with specification requirements.
- Examine structures such as Frames, Plates, trains, Pressure Vessels, Gantry's, and pipelines using non-destructive testing (NDT) techniques.
- Identify defects in solid (Dense) materials using ultrasonic testing techniques.
- Document non-destructive testing (NDT) methods, processes, and results.

NDT Specialist

July,2013–December 2014

CLIENT(s): Chevron Nigeria Limited, HHI

PROJECT(s): DSO(Meren And Sonam), FGO

- Actively Participate in QHSE activities as per ND safety rules and regulation
- Ability to use manual and Automatic Film Processing Techniques
- Calibrate Densitometer to the project scope acceptable way using calibrated strip
- Reject Welds that has some defects present and Issue to reshoot welds that are not visual for interpretation, or may interfere the area of interest such as elliptical image from DWSI, high density and low density, wrong placement of IQI, pressure marks and some manufacturer's discontinuities.
- Proficiency in Radiography and interpreting of radiograph as per client requirement and specification
- Arrange and calibrate equipment and materials that are used for Interpretation
- Arrange films in their folders to differentiate interpreted films and non-interpreted films
- Perform Nondestructive and other tests and evaluations for acceptance or rejection determinations
- Cross checking the radiographic films to ensure accuracy
- Interpret welds made from various processes according to but not limited to ASME, ANSI, API and AWS codes
- Organize, evaluate and document radiation inspection results daily
- Assist, train and supervise Trainees and RT Assistants
- Participation in document and data control operations and Interpreting Engineering Drawings
- Supervise Radiation collection Dose

AFRIZONE TECHNOLOGY NIG LTD

(Engineering, construction, procurement and installation)

July 2012 – June 2013

QA/QC Inspector

CLIENT(s): MONTEGO UPSTREAM, SEPLAT NIG LTD Etc

PROJECT(s): Fabrication of Montego MUD SKIPS and Maintenance of Montego Pressure vessel, Upgrading of SEPLAT operating Facility

- Implementing welding and pipe work QA system on the new build Lakeside, 'Energy from waste' PowerStation.
- Controlling the weld map for the project, updating the welders Register
- Producing welding Procedure to EN ISO 15614-1
- Proper Monitoring of joint Fit-up of vessel, structural component and light attachment and PWHT when necessary
- QA/QC control, supervising Inspectors, Implementing procedures and compiling project documentation, materials certificates, weld/NDE maps etc., to comply with project ITP
- Report HSE anomalies and ensure that permit to work (PTW) is available prior to job commencement.
- Take part in various multitasking Project QMS Audit(Internal and External)
- Provide timely corrective action to identified non-conformities
- Compiling and following up of WPS, pWPS, PQR, WPQT and witnessing welder qualification tests
- Monitoring sub-contractors progress, checking welding, NDE procedure and inspection of finished product

FEARGOD CONSTRUCTION COMPANY {FGFC}

(Engineering, construction, procurement, and installation)

August 2008 – July 2012

Quality Control Personnel**CLIENT(s): RAIN OIL & GAS, SEVEN ENERGY etc.****PROJECT(s): Design and fabrication of MUD SKIDS, Fabrication and Installation of UQUO Metering Facility, installation of OBEN gas plant expansion, NDT Services for Camp Buoy Overhaul Fabrication project, Installation and commissioning of 50/10 tons overhead gantry crane at the power house shelter of Gbarain gas plant**

- Participation in Design and Fabrication of Metal and Wooden Structures
- Raising Work Order, Purchase Requisition Form etc. Involving Fabrication Department
- Perform Shooting of radiographic rays with X Rays and Delta Projector IR 192 Source
- Organize, evaluate and document radiation inspection results daily
- Assist, train and supervise Trainees and RT Assistants
- Conduct liquid penetrant tests to locate surface cracks by coating objects with fluorescent dyes, cleaning excess penetrant, and applying developer.
- Ensure that the material purchased for construction are in good condition
- Trained on Lifting Object/Equipment and Health and Safety Environment
- Proficiency in Welding and Inspection Using DPI and MPI
- Ensures flow assurance in flow lines and performs flow simulations using PIPESIM
- Participates in various Inter-disciplinary checks (IDCs) and IFRs
- Performs the drafting of the PFDs and the P&IDs using AUTOCAD
- Sizes process (both single and multiphase) flow lines and valves, pipe classification and line list.
- Develops plant layout design using PDMS

Deltaafrik Engineering Limited

(Engineering, construction, procurement, and installation)

January 2007- July 2008

Junior Process Engineer**CLIENT(s): CHEVRON NIGERIA LIMITED****PROJECT(s): FUNIWA GAS PLANT FEED ENGINEERING**

- Performs process simulations and developed Process Flow Diagrams (PFD's), Heat and Material Balances, Piping and Instrumentation Diagrams (P&ID) and other process, mechanical and piping deliverables.
- Develops sizing information for Process Equipment (pumps, heat exchangers, distillation columns, separators).
- Provides sizing information in the form of equipment datasheets.
- Performs the sizing for both single phase and multi-phase flow lines.
- Performs the design and sizing of rotating, static and packaged equipment.
- Selects piping materials and pipe class using appropriate codes and standards
- Periodically participates in HAZOP studies.
- Prepares of engineering design packages such as: Front-end engineering design(FEED), Design Basis Memorandum (DBM), and Engineering Design Specification (EDS)
- Perform material balance using HYSYS, PIPESIM and PIPENET
- Liaising with geoscientists, production and reservoir engineers, and commercial managers to interpret well-logging results and predict production potential

FOUR MONTHS INDUSTRIAL TRAINING WITH CAB NIG LTD

May, 2006- December 2006

IT Trainee**CLIENT(s): ANAMBRA STATE GOVERNMENT, ROCKSON ENGINEERING etc.****PROJECT(s): Fabrication and Maintenance of (63 pieces)of 5000 gallons of Overhead Tanks and Tank Stand for (3) communities in Anambra State with Galvanized Carbon Steel Material, Sectional Replacement of Obirikon15, 4"1.5km Flow line, Nigeria, Sectional Replacement of Ebegoro '2', 4" 4.8km,and 4.2km Flow line, Nigeria**

- Design, Welding and Fabrication of Structural Components
- Raising Work Order, Purchase Requisition Form etc Involved in Fabrication Department
- Site Visitation and Data Collection
- Filling and Surveying
- General Recording and Dispatching of Internal Memo

s/n	Education	Qualifications	Dates
1	University of Port Harcourt, Choba	PGD Mechanical Engineering	In view
2	Institute of Management and Technology, Enugu	HND Chemical Engineering	2011
3	Bishop Crowther Seminary, Awka	Senior Secondary School Certificate Exam (WAEC)	2005

Skills

SOFTWARE	EXPERIENCE	PRACTICAL	EXPERIENCE
MS Office	Expert	Construction	Good
AutoCAD	Very Good	QA/QC Inspection	Very Good
Mechanics	Expert	HSE	Expert

HYSYS
PIPESIM

Good
Good

NDT
Training

Expert
Expert

Reference
Available on Demand.