*OKON*

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# *Maintenance Support Operations (ExxonMobil Nigeria)*

***HVAC/R DEPARTMENT***

## CORE COMPETENCIES ON PREVENTIVE AND CORRECTIVE MAINTENANCE

•Air Handling Units •Fan Coil Units •Water Chillier Units

• Air/Water Cool Condensing Units •Wall Mounting Package Units •Pressurization Units

•Hvac Control Panels •Walk in Freezer/Coolers • Duct Heaters. •Hermetic Seal Compressors • Open Drive Compressors • Hvac Exhaust Fans

• Dehumidifiers • Refrigerators/Electric Motors • Window/Split Units

• 06E, 06D, 5H120 Compressors ETC. • Variable Frequency/Speed Drives, (VFD/VSD)

•Start-up/Commissioning, • Ice Maker Machine and Ice Cream Machine,

• Cooling Tower. •Direct Expansion system (DX) and Flooded Evaporator

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# *PROFESSIONAL EXPERIENCE – 21+YEARS - 03/1998 - Present*

## ExxonMobil Nigeria(Currently Contract Staff Offshore Location).

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EDUCATION QUALIFICATIONS ACQUIRED WITH DATE

2008Rivers State Polytechnic Bori, Rivers State, Nigeria - Higher National Diploma (HND)

Electrical/Electronic Engineering - Power Option

2005 Rivers State Polytechnic Bori, Rivers State, Nigeria.

National Diploma (ND) Electrical Electronics Engineering

1996 Government Technical College, Ikot Ada Idem,Akwa Ibom State.

National Technical Certificate (NTC) in Refrigeration and Air-conditioning.

Federal Craft Certificate (FCC) in Refrigeration and Air-conditioning.

1990 Government Primary School Nung Ikono Obio – First School Leaving Certificate (FSLC)

**CAREER WITH EXXONMOBIL NIGERIA OFFSHORE LOCATION FROM 2015 – TILL DATE:**

**GRAFEN OILFIELD SERVICES LTD, EKET, AKS – POSITION HELD – HVAC FOREMAN**

\* I organize and perform on site the maintenance operations which are placed under my responsibility. I ensure that the company’s HSE regulations are respected (Especially Approved work Procedures, Job safety Analysis JSA related to Work Permits) **as** well as standard industry practice.

\* I ensure that all maintenance and repairs to plant and equipment are carried out in a safe and efficient manner and in strict compliance with COMPANY operating procedures and any relevant statutory legislation in order to maintain all such equipment in sound and safe operating conditions. Also by using human machine interface (HMI) to monitor maintenance operations of chillierHVAC system.

\* I participate in meetings, workshops, trainings as assigned for the purpose of conveying and gathering information required performing my job functions.

\* Carry out work coordination, planning and scheduling using Risk Base Work Selection Matric (RBWSM) and Simultaneous Operation (SIMOP). And also carryout Last Minute Risk Assessment (LMRA) which talks about mental reasoning of evaluating the risk of what will happen even during and after the task.

\* I informs personnel regarding work procedures and status of work orders for the purpose of providing information for making decisions, taking appropriate action and complying with company safety regulations. And also ensure that the transfer of knowledge by mentoring occurs properly within my teams and actively participate.

\* I diagnoses causes of problems and failures in HVAC/R system for the purpose of identifying equipment and systems repair and replacement needs. Prioritizes work orders in relation to their importance and/or urgency. Plans work flow, and distributes work orders to HVAC Technicians or maintenance workers. Oversees daily work, and assists technicians with problem task. Interpretation of Schematic diagrams and drawing (blueprint)

\* I performs troubleshooting, commissioning/startup, routine corrective and preventive maintenance as needed forthe purpose of ensuring the ongoing functioning of HVAC/R systems. Reviews work of contractors to assure quality and adherence to plans and specifications.

\* Adjusting system control to setting recommended by manufacture to balance system recommending, developing and performing preventive and general maintenance procedure.Writing of exception reports and reasons for not completing scheduled work in a stipulatedtime.

\* Prepares written materials (e.g. Equipment repair status, Activity Logs, Materials Control Logs, Tools and

Equipment Inventory Logs) for the purpose of documenting activities and conveying information. I also understand the process and procedures of initiating management of change (MOC) on equipment when need be.

\* Specific professional knowledge for Electrical discipline HV/LV, 400/480v, 220v/115v and 24v both ACV/DCV.Anticipating breakdown HVAC problems and reporting to management in time.Performing of pre-commissioning tests & inspections of HVAC equipment and Electrical components in the platform.Monitor and assist in inspection of all equipment installation, and fully involve in acceptance and hand-over.

\* Searches out and provides contractor with necessary technical data as per component basis for his work.Contribute to the systematic management of safety, health, environmental.

**CAREER WITH EXXONMOBIL NIGERIA OFFSHORE LOCATION FROM**

**2013 – 2014**

**BEST OFFSHORE LTD, EKET AKS – POSITION HELD – HVAC FOREMAN**

\* Carryout revamping of HVAC/R unit and its components.

\* Carryout rebuilt and overhauling of HVAC/R compressors.

\* Assisting with other work in coordination with repair and maintenance.

\* Inspect electrical system, equipment and components to identify hazards, defects, and the need for adjustment or repairs and to ensure compliance with codes.

\* Test electrical system and continuity of circuits in electrical wiring, equipment and fixtures, using testing devicessuch as ohmmeters, voltmeters and oscilloscopes to ensure compatibility and safety of system.

\* Conduct inspections for equality control and assurance programs, reporting findings and recommendation

\* Installing, servicing and repairing of heating and air conditioning system.

\* Maintain and repairs motor controls and associate electrical equipment and control circuits.

\* Participate in process safety management, including hazard identification.

\* Good knowledge of high, medium and low voltage switchgear and distribution panels.

\* Review the work scope of each task to ensure that they have clear direction

\* Prepare permit to work and task riskassessment as required.

\* Get approved of work scope changes prior to work execution

\* Ensure that equipment and maintenance work orders histories are maintained.

\* Carryout general corrective and preventive maintenance on HVAC/R equipment using maintenance procedures.

\* Carryout major jobs such as CHILLER overhaul or installation jobs to assure that work is carried out according to plans and specifications.

\* Maintenance and repairs of all galley equipment on offshore platforms,

\* Ensure the appropriateness of the operating and maintenance procedures employed by own crews and, if necessary, suggests improvements.

\* Keep an up-to-date list of works that cannot be performed except during inspections of machines or shutdowns.

\* Ensuring that the scopes of HVAC jobs are achieved as the company specifications.

**CAREER WITH EXXONMOBIL NIGERIA OFFSHORE LOCATION FROM**

**2009 - 2012**

**OFISCO LTD, EKET, AKS – POSITION HELD – SENIOR HVAC TECHNICIAN**

\* Carryout major troubleshooting/repairs and fault finding on HVAC equipment.

\* Initiates measures to improve methods, equipment performance, and quality of work.

\* Coordinates with suppliers, contractors, and others concerning equipment operations or maintenance.

\* Set up and operate test equipment to evaluate performance of developmental parts assemblies, or system under simulated operating conditions and records results.

\* Conduct inspections for equality control and assurance programs, reporting findings and recommendations, Inspect electrical system. Equipment and components to identify hazards, defects, and the need for adjustment or repairs. Installing, servicing and repairing heating and air conditioning system plan layout and installation of electrical wiring equipment and fixtures based on job specification and local codes.

\* Install ground leads and connect power cables to equipment such as motors and compressors

\* Work from ladders, scaffolds, and roofs to install maintain or repairs electrical wiring equipment and fixtures.

\* Place Conduct (Pipes or Tubing) inside designated partitions walls, or other concealed area and pull insulated wires or cables through the conduit to complete circuit between boxes.

\* Set up and operate test equipment to evaluate performance of developmental parts assemblies, or system under simulated operating conditions and records results.

\* Checking refrigerant system pressures and leaks, brazing of identified leak point and tubing by using HOT WORK PERMIT, vacuum and recharge the system with required and recommended refrigerant and procedures

\* Checking of AHU fan belt tension, adjust and replace the defective belt, clogged air inlet filters

Troubleshoot electrical control HVAC panel and replace defective components such as contactors, fuses, relays, timers, overloads etc.

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**CAREER WITH EXXONMOBIL NIGERIA ONSHORE LOCATION FROM**

**2004 - 2008**

**TOMBUSH BENJAMIN LTD, EKET, AKS – POSITION HELD – SENIOR HVAC TECHNICIAN**

\* Plans, assigns, schedules, and supervises the work of skilled and unskilled workers in maintaining and repairing air conditioning, refrigeration, and related mechanical systems and equipment; conducts regular inspections of work in progress and on completion.

\* Checks periodically on motors, compressors and controls; initiates action for the major overhaul of equipment.

\* Provides technical assistance in the installation, and maintenance of HVAC systems and equipment.

\* Taking inventory of hvac equipment, materials and tools.

\* Installation of HVAC units, including electrical and mechanical component.

\* Installation of HVAC ductwork including flexible tubing and sheet metal construction.

\* Troubleshoot and repair HVAC units including electrical and mechanical components.

\* Assisting with other work in coordination with repair and maintenance.

\* Performs preventive and correctives maintenance tasks on HVAC equipment and on connected or

related equipment that is essential to the operation of the HVAC equipment. Examples, controls, related pipings, pumps, and air controls/distribution

**CAREER WITH EXXONMOBIL NIGERIA ONSHORE LOCATION FROM**

**1998 - 2003**

**UDUAKOBONG & SONS LTD, EKET, AKS – POSITION HELD – HVAC TECHNICIAN**

\* Identifiers, analyses, diagnose, and repairs hvac systems in dormitories and offices.

\* Installation and repairs of split and window AC units.

\* Carryout repairs on fridges, dehumidifiers and Extractor fans.

\* Carryout repairs and maintenance of ice cream and ice cube machines.

\* Carryout corrective and preventive maintenance on wall mounting package unit.

\* Conduct insulation and winding resistance on HVAC compressors and electric motors

\* Follow pump down procedures to pump down HVAC system to repair a section of the unit

\* Carryout hot work by brazing HVAC pipings using Oxygen and Acetylene kits

\* Searching for leaks on HVAC/R systems

\* Performed system evacuation/vacuuming using vacuum pump

\* Follow procedure to recharge HVAC system with acceptable refrigerant

\* Carryout installation/replacement of new compressors and electric motors/associated parts

\* Replacement of faulty electrical components on HVAC control panels

\* Recovery of refrigerants using recovery machine

\* Water washing of condensers and evaporator coils/fins

\* Replacement of clogged liquid line drier and air filter.

***SAFETY AND WORK MANAGEMENT TRAINING ATTENDED***

1. Confined Space Entry, Entrants, Rescue Training – Safety Centre, Port Harcourt
2. ExxonMobil Cyber Security Training. - Mobil Technical Training Center
3. Electronic Permit to Work System (ePTWS) PH - Mobil Technical Training Center
4. Authorize Gas Tester (AGT) - Mobil +234 806 030 8856 Training Center
5. SAP /R3 Training (IPES) - Mobil Technical Training Center
6. Job Safety Analysis (JSA) Training - Mobil Technical Training Center
7. Energy Isolation System (Logout and Tag out – LOTO) – TTC
8. Basic Hygiene Safety - Mobil Technical Training Center
9. Good to Go Program – (Barriers/Preventive Measures) TTC.

***OFFSHORE ENTRY PERMIT/TRAINING ACQUIRED***

1. Offshore Safety Entry Permit – (Department of Petroleum Resource – DPR)
2. Helicopter Fire Fighting and Safety Training. - Mobil Technical Training Center
3. BasicFire Fighting Training – Mobil Technical Training Center
4. Water Survival and Swing Rope Training - Mobil Technical Training Center
5. Helicopter Underwater Escape Techniques (HUET) – TTC

***PROFESSIONAL CERTIFICATIONS ACQUIRED IN HVAC/R***

1. Federal Ministry of Labor and Productivity – HVAC/R Trade Test 1, 2 & 3
2. Southern Alberta Institute of Technology -Basic Advance Refrigeration
3. Two numbers commendation letter for HVAC best practices

***SAP EASY ACCESS SAP/R3 (IPES) - PROMETHEUS***

* Check and validate all technical reports inIPES/SAP and ensure work history is comprehensively recorded in line withSAPdata qualityrequirements,keep records ofworksinventory,records of work orders, and expenditures.
* Work Order Search
* Work Orders Completion
* Search for equipment
* Search for Materials
* Search for requisition and Purchase Order
* Raising of Notifications
* Screening of Notifications using RBWS MATRIX

***EMERGENCY RESPONSES ROLE:***

* As a member on emergency responses team
* As a muster checker during drill and emergency (Fire, Security and man overboard)

***COMPUTER SKILL***

**World Ms / Excel Ms / Power Point / Lotus notes / Intranet & internet Explorer**

***MY SAFETY MOMENT/COMMITMENT***

* ***I THINK OF MY SAFETY AND SAFETY OF MY TEAM MEMBER***
* ***I MAKE RIGHT AND SAFE CHOICES EVERY DAY***
* ***I ACTIVELY MANAGE PROCESS SAFETY RISK EACH AND EVERY DAY***
* ***I DEMONSTRATE A GOOD SAFETY LEADERSHIP.***
* ***I FOLLOW ALL WORK PROCEDURE STRITLY TO PREVENT INCIDENT AND ACCIDENT AT WORK PLACE ALL TIME.***
* ***I ENSURE THAT CRITICAL SAFETY DEVICE SHOULD NEVER BE DEFEATED EXCEPT OTHER WISE ADVICE.***
* ***I KNOW THAT A JOB IS DONE WELL ONLY IF IS DONE SAFETY***
* ***I CHOSE SAFETY FIRST SO THAT NOBODY GET HURTS***
* ***IDENTIFY SHORT SERVICE WORKER (SSW) IN THE PLANT AND PROVIDE GUIDANCE***
* ***I FOLLOW LIVE SAVING ACTION RULES AND RISK ASSESSMENT***
* ***SAFETY ATTITUDE OFF THE JOB IS AS IMPORTANT AS ON THE JOB***
* ***EXCELLENCE IN SAFETY LEAD TO EXCELLENCE IN BUSINESS***
* ***EVRYONE IS OBLIGATED TO RAISE CONCERN ABOUT EVERY HAZARDS SEEN***
* ***I AVOID BEING COMPLACENCY IN ALL THAT I DO***