Ededet-Udeme OTTUK

Piping Engineer

08025234708

Born	5th July 1982	
Nationality	Nigerian	
Education	University of Lagos, Akoka *Master of Science (MSc) Facilities Management*	2013 – 2017
	Federal University of Technology, Akure, Ondo State *Bachelor of Engineering (B.Eng.) Mechanical* *Second Class (Hons.)*	2001 - 2005
	Federal Polytechnic, Ilaro, Ogun State *Ordinary National Diploma (OND) Mechanical Engineering* *(Upper Credit)*	1997 - 1998
Languages	English, Ibibio and Yoruba	
Emails	kingsley_udeme@yahoo.com kingsleyottuk@gmail.com	

PROFILE

Over ten years cognate experience in Mechanical / Piping design in oil & gas project. Sound knowledge of design and drafting techniques, modelling, industry codes and standards. Skilled at reading, interpreting drawings prepared by other project groups. Possess excellent human relations, team spirit, result oriented qualities and passionate about solving problems.

PROFESSIONAL QUALIFICATION

2006 – 2007 Nigerian Institute of Management (Graduate Membership)

OTHER QUALIFICATIONS

Jan. 2022	Prime Atlantic Safety Services Basic Offshore Safety Induction and Emergency Training (BOSIET) (OPITO Approved) Certificate of Participation
June 2008	IPgrupp Engineering Fundamentals of Piping Engineering & An introduction to Caesar II stress analysis software Certificate of Participation
Aug. – Sept 2007	NNPC / PTDF Engineering Design Training (Capacity Development) Plant Design Management System (PDMS – Piping) LONADEK Oil & Gas – certificate of training (PDMS Oil & Gas Facility Dummy Project)
August 2007	NNPC / PTDF Engineering Design Training Plant Design Management System (PDMS – Piping) AVEVA – certificate of training (PDMS Equipment & Piping Design)
2007	IMS Computer Training School (AutoCAD Training) (AutoCAD Design) Certificate
2006 – 2007	National Youth Service Corps National Youth Service Corp Certificate
2006	Michael Morgan HSE Management Course Industrial/Oil Field Health, Safety & Environmental Management Certificate.
2005	N. I. I. T. First Step (Computer Appreciation) Computer Certificate

COMPUTER SKILLS

Operating systems:	Microsoft windows
Packages:	Microsoft office (Word, Excel, PowerPoint,) AutoCAD Plant Design System (PDS) Plant Design Management System, PDMS

WORK HISTORY WITH CRESTECH (SINCE FEBRUARY 2010)

Piping Designer
June 2021 – Jan. 2022

Project — ACCUGAS (A SAVANNAH ENERGY COMPANY) - UQUO EXPORT GAS COMPRESSOR (Installation FEED Project for the Engineering, design, procurement, Installation and Commissioning of a compression unit in the Uquo process field to meet market requirement as the gas pressure from the wells depletes. The design flow is also increased to 220 MMscfd (110 MMscfd per train).

Responsibilities —
Travel to field location to preform field surveys, document existing conditions (taking measurements, pictures and developing sketches) to recommend various design solutions.
Generate Piping Tie-In Schedule;
Generate Valve List
Generate Valve datasheet
Generate Construct/Destruct sketches for Piping Tie-ins

Piping Designer
Aug. 2019 – April 2020

Project — NIGERIAN GAS COMPANY, NGC) AJAOKUTA METERING STATION UPGRADE PROJECT – Detailed Engineering Services for rehabilitation / upgrade of the station in view of the development of gas infrastructures and growing demand for natural gas in Nigeria. The upgrade work is intended to restore the station to its installed capacity, ensure a secure facility, reliable gas supply to existing and future customers as well as guarantee safety of operation with a state-of-the-art automation and communication systems.

Responsibilities —
Generate Piping Material Take-Off and Bill of Quantity;
Generate Piping General Arrangement Layouts (Sections and Details);
Generate Valve List and Tie-In Schedule;
Generate As-Built engineering documentation / drawings;
Generate Piping Isometric drawings;
Produce Pipe Support Drawings.

Snr. Piping Designer
Sept. 2018 – March 2019

Project — NLNG TRAIN-7 PROJECT – FEED Engineering Services for:- expansion plans to boost production capacity by 35% from 22 million tonnes per annum (MTPA) to 30 MTPA, its shareholders intend to build a seventh natural gas Liquefaction train (NLNG Train 7) estimated at about $4.3 billion at its complex. This will include a Complete Train (CT), a Common Liquefaction Unit (CLU), a new flare system, Tie-ins to the existing plant, a third LNG Jetty, supporting on-site infrastructure and supporting off-site infrastructure.

Responsibilities —
Generate the Plot Plan for Complete Train-7 (plan, elevations, and details);
Check and align 2D plot plans with 3D model;
Model piping systems with PDMS from P&ID/PEFS as per project requirements in compliance with all applicable and relevant legislation, codes and standards paying special attention to lines with cryogenic insulation;
Create, modify and locate 3D models of mechanical equipment with PDMS in compliance with 3D modelling procedure in client job notes;
Perform quality checks on design and deliverables as prepared by other designers for accuracy, completeness, fit for purpose, and compliance with company and project specifications and standards.

Snr. Piping Engineer
Oct. 2017 – July 2018

Project: NAOC – IRRI FLOWSTATION ARRIVAL MANIFOLD UPGRADE PROJECT-DETAILED DESIGN for the extension of the existing arrival manifold by a new 10-slots arrival manifold to accommodate production from new Flowlines reaching Irri flow station owned and operated by the Nigerian Agip Oil Company (NAOC).

Responsibilities: *Generate Isometric drawings; Prepare the Piping Material Take-Off.*

Piping Engineer
June 2016 – Nov.2017

Project: CHIMONS LPG LOADING & RECEIVING TERMINAL PROJECT – Detailed Engineering for: -

- Direct loading from vessel to trucks loading at the gantry;
- Firefighting system;
- Installation of four (4) weighbridges at loading gantry;
- Instrumentation, Telecommunication system, CCTV and Data voice.

Responsibilities: *Generate the Piping General Arrangement drawings (plan, elevations, sections and details); Generate the Isometric drawings; Preparing the Piping Material Take-Off; Preparing the Piping Bill of Quantities.*

Piping Engineer
March 2017 – June 2017

Project: MORPOL VOLUMETRIC FLOW SYSTEM PROJECT
The Nigerian Gas Processing and Transportation Company Limited intends to deploy volumetric flow control systems across its entire pipeline network. The project has been divided into lots for faster implementation as listed below:

- LOT I – Omotosho and Ihovbor Metering Stations

Responsibilities: *Generate the Piping General Arrangement drawings (plan, elevation and sections); Generating of Isometric drawings.*

Piping Engineer
April 2017 – Aug. 2017

Project: OB-OB ALTERNATIVE GAS SUPPLY SOURCE TO INDORAMA PLANT PROJECT – Detailed Engineering for :-

- Installation of an 18'' Piping length of about 180 meter on an existing east-west pipe rack from an existing 18'' manual valve to connect an existing 12'' valve.
- The 18'' Piping shall be Blind flange at the end of the north-south pipe rack tie-in point.
- Installation of two pieces of 18'' Ball valve with an equal Tee and make provision for feature Tie-in.
- Installation of two pieces of 12'' Ball valve with an equal Tee and make provision for feature Tie-in on the north-south pipe rack.
- Installation of a 2'' Equalization line with two pieces of 2'' Ball valve on the 12''line at the Tie-in point on the north-south pipe rack.
- Installation of a 10'' Control valve downstream the ultrasonic metering system connecting the pipeline as indicated in the project P&ID.

Responsibilities — *Generate the Pipe General Arrangement drawings (plan, elevation and sections); Generate the Isometric drawings; Preparing the Piping Material Take-Off.*

Piping Engineer
Nov. 2016 – Jan 2017

Project — TOTAL EXPLORATION & PRODUCTION NIGERIA – OFON PHASE 2 PROJECT – AS_BUILT / FINAL DOCUMENTATION

Responsibilities — *Incorporation of redline mark-ups comments on Isometric drawings, Piping General Arrangement drawings and Pipe Support Location Plan using Micro-Station and AutoCAD.*

Piping Engineer
June 2016 – July 2016

Project — SEPLAT PETROLEUM DEVELOPMENT COMPANY − OBEN AG EXPANSION PROJECT – Detailed Engineering for :-

- Installation of two (2) compressors and two (2) boosters at the brownfield site within the existing plot of the current facility;
- Relocation of an existing equipment to make room for the new compressors;
- Foundations to be built for the relocated and new equipment as well as for pipe supports and sleepers;
- The Electrical, Instrumentation and controls of the new machines will be interfaced with the existing at the control room;
- All new and relocated equipment will be piped up as appropriate and hooked up to the existing piping.

Responsibilities — *Generating of Valve List and Specialty Item List;*
Generating of Isometrics drawings.

Piping Engineer
Feb. 2016 – March 2016

Project — MOBIL PRODUCING NIGERIA UNLIMITED − ETIM LC GAS-LIFT PROJECT – Detailed Engineering

- towards provision of SS pipe based gas-lift facilities with Bonnyforge Flow Control valve upgrades for the ETIM LC wellhead platforms.

Responsibilities — *Generate the Piping General Arrangement (Demolition drawing); Piping General Arrangement drawings (plan, elevations, sections and details); and Piping drawing Index.*

Piping Engineer
Feb. 2012 – July 2015

Project — TOTAL EXPLORATION & PRODUCTION NIGERIA − FIELD DEVELOPMENT, TOPSIDES PRODUCTION PLATFORM OFD3 & OFD5, OFON PHASE 2 – Detailed Engineering for:

- Stopping/reducing gas flaring, increasing the production oil from 50,000 barrel of oil/day to 100,000 barrel of oil /day, increasing the living condition of workers in the living quarters, water treatment etc; and the supplying of gas to Bonny Island via amenam facilities.

Responsibilities — *Modelled a Mechanical equipment, Safety equipment, Electrical equipment & Instrumentation equipment using PDS model; Generating OFD3 and OFD5 Equipment layouts (Plot-Plan) using AutoCAD; Generating OFD3 and OFD5 Piping General Arrangement drawings using AutoCAD; Assist in generating Isometrics drawings for both OFD3 & OFD5 Platforms.*

Piping Engineer
June 2010 – Dec 2010

Project — MOBIL PRODUCING NIGERIA UNLIMITED − IYAK SA & IYAK SB EXTERNAL WELL DEVELOMENT – Detailed Engineering for:

- the addition of external well conductor slots and gas-lift facilities which requires facility modifications on IYAK SA & IYAK SB.

Responsibilities — *Generate lsometric drawings from General Arrangement (GA) & Detail drawing of lyak SB platform; Drafting of lsometric drawings from General Arrangement & Detail drawing; Preparing Bill of Material from Iyak SB Isometric drawings.*

Piping Engineer
May 2010 – Oct. 2010

Project — ESCRAVOS GAS PROJECT PHASE 3B − BROWNFIELD PRODUCTION PLATFORM MODIFICATION – Detailed Engineering

Responsibilities — *Generate lsometric drawings from General Arrangement (GA) & Detail drawing of Ewan platform; Drafting of lsometric drawings from General Arrangement & Detail drawing; Preparing Bill of Material from Ewan Isometric drawings; lncorporating comments on Ewan's lsometric drawings.*

Piping Engineer
Feb. 2010 – May 2010

Project — MOBIL PRODUCING NIGERIA UNLIMITED − ETIM LIFE EXTENSION REPAIRS PROJECT (PHASE 2) – Detailed Engineering for:-

- improving the operational conditions of the existing facilities (Production Platform and Bridge connected well head platforms) by addressing the base existing integrity issues through provision of mitigation to ensure safe and continued operations as stated in details below:
    - Improve on FFS of high pressure piping and gas systems i.e. from Christmas trees to test/production separators and from MOL pumps to main oil pipeline.
    - Replace FW lines, nozzles and monitors with carbon steel piping based on Level II inspection reports.
    - Repair/replace exposed electrical wiring and junction boxes.
    - Carry out repair of platform structural items to maintain topsides structural integrity (handrails, grating supports, boat landings, access ladders, equipment supports, etc).

Responsibilities — *Incorporating comments on As-built P&IDs using AutoCAD for Etim LB & LP firewater lines; Training on generation of isometric drawings from General*

Arrangement (GA) & Detail drawing; Training on generation of Elevation & Sectional drawings; Drafting of isometric drawings from General Arrangement & Detail drawing; lncorporating comments on isometric drawings.

PREVIOUS WORK HISTORY

INTERNATIONAL ENERGY SERVICES LIMITED (IESL)
Energy House, 94, Awolowo road,
Ikoyi, Lagos.
May 2008 – Aug. 2009
Jnr Mech/Piping Engineer
May 2008 – April 2009

Project — TOTAL EXPLORATION & PRODUCTION NIGERIA − FIELD DEVELOPMENT, TOPSIDES PRODUCTION PLATFORM OFD1 & OFD2, OFON PHASE 2 – DETAILED ENGINEERING for Stopping/reducing gas flaring, increasing the production oil from 50,000 barrel of oil/day to 100,000 barrel of oil /day, increasing the living condition of workers in the living quarters, water treatment etc; and the supplying of gas to Bonny Island via amenam facilities.

Responsibilities — *Responsible for drafting of mechanical equipment (static) such as heat exchanger, vessel etc; Assist in preparation of data-sheet for rotating equipment; Assist in preparation of data-sheet for HVAC equipment e.g. chilled water unit, air-handling unit etc; Assist in other HVAC jobs such as drafting of layout drawing/D&ID, calculations on duct external static pressure, updating air distribution schematic diagram etc; To carry out all assigned jobs by the Lead or any superior officer.*

Oct 2008 – Aug 2009

Project — TOTAL EXPLORATION & PRODUCTION NIGERIA − USAN DEEPWATER DEVELOPMENT – FLOATING PRODUCTION, STORAGE & OFFLOADING - FPSO (TOPSIDES) − DETAILED ENGINEERING for Module P1 (Laydown area), Module P4 (Space for Future Equipment), Module S6 (Gas Export) and Helideck & Support.

Responsibilities — *Drafting of Handling Layout – Plan view for (process, mezzanine & methanol) decks of Module S6 and Module P1 Laydown area; Drafting of 1st & 2nd stage Separators for Module P4 – Future; Drafting of Subsea methanol filter for Module P4 – Future*; *Drafting of Pipe General Arrangement (GA) for Mezzanine deck*; *Computation of weight and centre of gravity C.o.G of lines (ISODRAFT) on Module P1 Laydown area and Module Helideck & Support; Drafting of drawing for support details for Telecom equipment; Drafting of Telecom equipment layout for Module Helideck & Support; Drafting of Telecom block diagrams on (process, mezzanine & methanol) decks for Module S6 – Gas compression area and Module P1 - Laydown area & Preparation of Handling study report for Module P4 – (Future).*

NIGERITE LIMITED, IIKEJA
INDUSTRIAL LAYOUT,
OBA-AKRAN AVENUE,
IKEJA, LAGOS
Safety Trainee/Attaché
May 2004 – Dec. 2004
May 1999 – April 2000

Responsibilities

Carry out routine inspection in the factories, workshops, canteen and store using the checklist; Carry out routine inspection on fire extinguishers and hydrant pumps using the checklist; Treatment of potable water at the water treatment plant; Monitor noise level using the noise meter; Assist in performing special jobs e.g. safety week, stock inventory etc.; Carry out all assigned jobs by the departmental manager, engineer, or any superior officer.