

Professional Summary

An independent and self-motivated professional with excellent analytical, adaptive, research and a broad - range of computer skills. I have proven capability to work under challenging situations. I am driven to provide innovative solution through technology while exceeding set goals.

Skills Highlight

- Technical (Process and Petroleum Engineering)
- Data Analysis, Interpretation and Visualization
- Hazard Identification, Risk Assessment and Risk Management
- Research and Presentation
- Project Evaluation, Scheduling and Management
- Hysys, Pipesim, AutoCAD, Microsoft Packages
- Basic Programming
- QA/QC

Educational Background

- 2017- 2018 **MSc. Petroleum Engineering and Project Development (Distinction)**
Institute of Petroleum Studies, University of Port-Harcourt/ IFP School, France
Modules: General, Geoscience and Reservoir, Drilling, Production and Field Development
Thesis: Software Development for Improved Oil Well Diagnosis
- 2010 – 2014 **B.Eng. Chemical Engineering (First Class Honours)**
University of Benin, Edo State
Research Project: Optimization of the Stability of rubber seed biodiesel using antioxidant by means of Response Surface Methodology
Design Project: Design of a 20-million-pound acid plant to convert cheese whey (Solid Waste) to lactic acid.
- 2007 – 2009 **National Diploma in Chemical Engineering (Distinction)**
Lagos State Polytechnic, Lagos State
Research Project: Acid Hydrolysis of Starch
- 1997 – 2003 **West African Senior Secondary School Certificate Examination**
Lagos State Model College, Badore, Lagos State

Employment History

- 2020 **Process Engineer (for Mobil Producing Limited/ Niger Star 7 Production Uplift Pipeline Project)**
Hommaxton Limited, Lagos State
Project Overview: Design of a Primary Treatment Facility to process 600 MMSCFD of gas from six (6) wells. The target is to provide sales gas to Obite and OB3 flow stations.
- Process Design and calculations at both Front-End Engineering Design and Detailed Engineering Design stages.
 - Perform Process simulations using Aspen Hysys and development of Process Flow Diagrams (PFDs) and Heat and Material Balances.
 - Process drafting and development of PFDs, BFDs and P&IDs using AutoCAD.
 - Perform single and multiphase line sizing calculations.

- Development of line list.
- Perform equipment sizing calculations such as vessel and pumps.
- Classification and selection of pipes using relevant codes and standards.
- Generation of equipment datasheets for vessels, exchangers and pumps.
- Generation of technical reports for each deliverable including Process design philosophy and Basis of design.
- Use and familiarity with appropriate Industry Engineering Design Codes and Standards such as API 14E, 14C and 12J, GPSA for Engineering calculations, equipment sizing and specifications.

2020

Project Engineer (Tracking and Control)

Homomaston Limited, Lagos State

Project Overview: Design of a Primary Treatment Facility to process 600 MMSCFD of gas from six (6) wells. The target is to provide sales gas to Obite and OB3 flow stations.

- Managed tracking and control of deliverables during project (from IDC- IFA).
- Provide and publish list of all tasks and deliverables expected from each team lead for the week.
- Track project due dates to ensure they are promptly submitted where necessary.
- Participates in various Inter-disciplinary checks (IDCs).
- Development of weekly project progress charts and reports schedule and submit to appropriate project and Company management.
- Development of innovative solutions that drive the project into meeting set objectives and plans.
- Provide suggestions during incident investigations and advised on corrective actions.
- Development and implementation of systems that optimize all phases of production process.
- Monitor, evaluate project data, identify issues and recommend suitably.
- Establish schedule for the project and monitors its progress; routinely analyse, evaluate and forecast the current project status against the baseline schedule, assessing the impacts of design changes to the schedule.
- Develop and maintain detailed schedules, ensure adherence to quality standards and maintain policies and procedures.

2019

Offshore Asset Support and Monitoring of Asset in Real Time (SMART)

Total Upstream Companies in Nigeria (Field Operations), Lagos State

- Monitor daily production from AKPO Field and provide technical and monitoring support to AKPO offshore asset.
- Manage downtime of wells and facilities to optimize production.
- Assist Lead Production and Maintenance Engineers to:
 - Provide immediate response for process upset conditions, front line trouble shooting and site support in the safe and efficient delivery of production targets.
 - Perform Process calculations & suggest plant adjustments in relation with previous activity mentioned.
 - Monitor and optimize process operating parameters via DeltaV DCS and PI Process Book to ensure all possible improvements are identified and actioned.
 - Identify problem areas and bottlenecks within the existing system, trouble shoot solutions for improvement.
 - Work closely with collaboration room members, maintenance, inspection and contractor representatives to ensure best practice and technical solutions are delivered.
 - Review shutdown reports created by Field Technologist.
 - Review leak testing programmes for shutdown campaign work
 - Ensure compliance with schedule and verify results for ESV and HIPPS testing, capturing support requirements and recommendations for site.
 - Analyse results of performance testing of pumps and compressors as per the schedule for testing.
 - Populate and maintain agreed monthly dashboards, identifying threats and solutions to improve compliance.

Key Achievements

- Proposed and developed solutions for challenges being faced by the department and site. They include:
 - Flow Assurance plugging issues that results into high financial demands from removing plugs.

Developed Solution: Created Hydrate monitoring tool/ dashboard to visually display well performance in relation to hydrate region. Proactive actions can be taken before hydrates are formed.

- Alarm management system: top ten high criticality alarms were manually extracted and analysed from more than 60,000 alarms triggered daily.
Developed Solution: Improved on the existing system by developing an automated tool using Excel (macros and PivotTables) and PI datalink that is used to extract and analyse these large data sets within minutes. This has made it easier for management to make timely intervention on critical alarms as well as reduce time spent on investigating process upsets.
- Offshore Chemical Autonomy tool: helps to track chemical autonomy on board to ensure seamless production process.
- Developed monitoring and support tools using Excel and PI (Process Book, CoreSight and Vision) from which trends of real time large datasets were created to monitor well and process operations.
- Prepare Field Operations department weekly and monthly performance presentation report for management review meetings.
- Other visually impactful dashboards were created such as the Production Dashboards, Well performance Dashboards, etc.
- Global Energy Management for the Group.
- Collaborated with Safety Engineering department to create a tool that was used to analyse the safety culture of staff in the affiliate. This was done using majorly Excel VBA.
- Managed database of major interventions and process upsets (shutdowns, etc) on AKPO FPSO.

2017 **Technical Safety Engineer**
Melios Limited, Lagos State

- Carried out safety engineering and risk assessment (and legislative compliance) studies.
- Scribed in formal safety reviews, and in some cases actively contribute to HAZID, Bowties, HAZOP, SIL studies.
- Maintained database of relevant new / emerging regulations and support any consultation processes and other databases as may be assigned.
- Developed Melios' major accident and incident database.
- Undertook detailed analysis of database to generate factual information that can be published on websites and used in enhancing study delivery.
- Ensured staff compliance with company's Quality Management System.

Key Achievements

Deployment of Bowtie Server for managing major risks in Total Upstream Company in Nigeria. As part of the deliverables for the project were site visit, HAZID study, barrier and SCEs/SCAs linking. Report was submitted at every stage of the project.

2015 – 2016 **Graduate Assistant (NYSC- A003013918)**
University of Ilorin, Kwara State

- Taught Industrial process calculations, graded exams and assisted senior lecturers in conducting research.

Skills

Computer Skills

- Efficiently use Aspen HYSYS software to simulate various process plants such as Natural Gas Processing and Crude Oil Stabilization.
- Highly proficient in Microsoft Office (Word, Excel, PowerPoint and Outlook); basic proficiency in Microsoft Access and Project.
- PI (Process Book, CoreSight, Vision), Design Expert, AutoCAD, Pipesim and BowTie.
- Basic proficiency in computer programming (Excel VBA, Q Basic).

Soft Skills

- Excellent team player and builder.
- Strong analytical mind, conceptual and research skills.
- Good problem-solving skills.
- Ability to work with minimum supervision with passion to exceed target goals.
- Quality interpersonal and communication skills.

- Have commitment towards continuous learning.
- Ability to plan, organize and multi-task.
- Ability to work under stress and challenging situations

Bio-Data

Surname:	Igbokwe
Names:	Glory Naomi
Sex:	Female
State of Origin:	Abia
Nationality:	Nigerian
Language:	English, Yoruba, Ibo (basic proficiency)
Interests:	Reading, volunteering, travelling, sports and learning new skills.