



# NETCO NEWS

The In-House Journal of NNPC Engineering & Technical Company Limited

## NETCO SET TO COMPLETE PORT-HARCOURT REFINERY REHABILITATION PROJECT



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# NETCO SET TO COMPLETE PORT-HARCOURT REFINERY REHABILITATION PROJECT

## AS NETCO MANAGEMENT VISIT PORT-HARCOURT AND KADUNA REFINERIES

By Ailen Eichie



*MD NETCO, Umar G. Aminu examining a point of interest with MD KPRC and DEAWOO main contractor during Plant Inspection Tour in Kaduna*

In a concerted effort to expedite the Rehabilitation of the Refineries, the Management of NNPC Engineering and Technical Company Limited (NETCO) embarked on a site visitation exercise to the Port Harcourt Refinery and Petrochemicals Company and Kaduna Refinery and Petrochemicals Company Limited.

Led by the Managing Director of NETCO, Umar Aminu, the visit aimed to assess the progress of the rehabilitation projects

and ensure their timely completion. NETCO, as the designated Project Manager, has entered into agreements with Tecnimont Nigeria Ltd and Daewoo E&C Nigeria Ltd to carry out the Rehabilitation and Quick-Fix Project for the refineries.

This strategic partnership allows NETCO to leverage the expertise and resources of these reputable companies to deliver optimal engineering solutions.

## Front End Engineering Design

One of the key areas where NETCO is providing engineering solutions is through Front End Engineering Design (FEED) services. NETCO has partnered with Tecnimont Nigeria Ltd and Daewoo E&C Nigeria Ltd to conduct FEED services for minor upgrades, modifications, and debottlenecking.

Feasibility studies are being conducted to gain a comprehensive understanding of the issues at hand, while hydraulic and process simulation studies are being performed to address performance issues in specific sections of the process plant or individual equipment.

With the migration of the Distributed Control Systems (DCS) in all NNPC refineries to the latest technology, abundant plant data will be available for modeling and hydraulic studies. This data-driven approach will enable NETCO to make informed decisions and optimize the rehabilitation process.

## Maintenance Engineering

Furthermore, NETCO has assembled a team of highly skilled condition monitoring experts, both local and expatriates, to predict failures in equipment. Condition monitoring, a specialized field, requires exceptional skills to interpret results obtained from spectrum analyzers.

By closely monitoring the condition of equipment, NETCO aims to proactively identify potential failures and implement timely maintenance measures.

To address the significant issue of rotating equipment failures, which has been a major cause of poor plant reliability in NNPC refineries, NETCO has also employed a team of skilled foremen responsible for the maintenance of rotating equipment.

These experts perform root cause analysis to identify the underlying reasons for failures and recommend suitable materials and solutions to mitigate them. Their expertise will contribute to improving the overall reliability and performance of the refineries.

## Procurement Solutions

NETCO recognizes the importance of effective procurement solutions in the successful execution of the rehabilitation projects. As such, the company has engaged a dedicated team of procurement personnel and established long-term agreements with major Original Equipment Manufacturers (OEMs) and large trading houses worldwide. This ensures that NETCO can secure the best prices and value for money, benefiting all stakeholders involved.

## Support for constructions and installation

In terms of construction and installation, NETCO has engaged local sub-contractors specializing in construction and who possess heavy equipment necessary for the projects. This collaboration not only supports the local economy but also ensures the efficient and timely completion of construction activities.

## Manpower Skill Provisions

Recognizing the need for skilled manpower, NETCO, together with its experienced personnel, has partnered with Tecnimont Nigeria Ltd and Daewoo E&C Nigeria Ltd to provide the necessary workforce for the rehabilitation of the nation's refineries.

This collaborative effort ensures that the right expertise is available to execute the projects effectively and efficiently.



## Maintenance and Operations Solutions

Lastly, NETCO understands that maintenance and operations solutions are crucial for the reliable operation of any refinery or petrochemical plant.

Apart from following Standard Operating Procedures (SOPs) in routine activities, there is a need for skilled personnel with troubleshooting abilities.

Troubleshooting requires a deep understanding of unit operations and process chemistry to accurately identify the root cause of problems.

NETCO has assembled a small team of experts both local and expatriate with troubleshooting skills to address any operational challenges encountered during the rehabilitation project.

In summary, NETCO's recent visits to the Port Harcourt and Kaduna refineries demonstrate their commitment to the successful rehabilitation of these facilities.

With their comprehensive range of engineering solutions, including FEED services, maintenance engineering, procurement solutions, construction and installation support, manpower skill provisions, and maintenance and operations solutions, NETCO is poised to contribute significantly to the revitalization of the nation's refineries.

Through effective project management and strategic partnerships, NETCO is working diligently to restore and enhance the operational efficiency of these vital national assets.



# UBETA FEED PROJECT NEARS COMPLETION

By Joseph Daniel



The NNPC Engineering and Technical Company (NETCO) is geared towards closing out the Front End Engineering Design (FEED) of the UBETA Development Project in Paris, France.

The TEPNG/NUIMS Joint Venture's strategic plan is designed to increase Gas production to feed the domestic gas market and NLNG supply by drilling six (6) gas production wells / 10 slots at Ubeta, which is located in OML 58 and transport the gas at 240 barg design pressure, 10 MMscmd design production rate to the OBITE treatment centre.

Complete engineering of UBETA Wellpad.

- Complete engineering of the brownfield modifications related to the integration work in Obite existing facilities.

- Basic Engineering is required to prepare Exhibit E for CFT of execution phase Contracts.
- Procurement activities for LLIs related to UBETA Wellpad and brownfield modifications of OBITE existing facilities.
- Follow-on Engineering during the construction activities.

In achieving this objective, the Joint Venture engaged the consortium of NETCO/DORIS to provide Engineering & Procurement Services for UBETA Main Development Project.

The scope of work for the project covers the following areas:

- Completing Engineering of UBETA Wellpad
- Complete Engineering of the brownfield modifications related to

- the integration work in OBITE existing facilities
- Basic Engineering is required to prepare Exhibit E for CFT of execution phase Contracts.
- Procurement activities for LLIs related to UBETA Wellpad and brownfield modifications of OBITE existing facilities.
- Follow-on Engineering during the construction activities.

The project manager UBETA, Engr. Kemi Olumide Attah revealed to NETCO News that great progress was made in the Front End Engineering, which includes:

- Technical coordination, contract management & reporting
- Phase 1 Master Document Register
- Definition of Interfaces & Battery Limits
- Constructability study and work estimates
- Maintenance & Inspection Engineering requirements
- List of deliverables to be included in Design Dossiers for CFTs
- Phase 1 close-out and hand-over to Phase 2
- Complete Ubeta Process design for HP mode
- Buildings (including Architectural design & HVAC),

shelters, equipment/piping support platforms, pipe supports, Telecom tower

- Wellpad definition: well pits, flow line trenches, concrete areas for drilling rig and equipment, roads & crossings, fences, drainage system/observation basins, etc.

shelters, equipment/piping support platforms, pipe supports, Telecom tower

- Wellpad definition: well pits, flow line trenches, concrete areas for drilling rig and equipment, roads & crossings, fences, drainage system/observation basins, etc.

Engineer Attah further chronicled the phase 2 action plan schedule of the project, which is to cover the following;

#### 1. MOBILIZATION

- Commenced Mobilization of Key Personnel
- Still ongoing, to be completed by WK 22

#### 1. MDR & SCHEDULE

- Commenced MDR preparation. To be completed by WK 16
- Schedule development WK 17

#### 1. SITE SURVEY

- Embark on Site visit for verification and data gathering WK 23

#### 1. HAZOP PERFORMANCE

- Conduct HAZOP Workshop with NUIMS and NUPRC in attendance WK 30

#### 1. 3D MODEL REVIEWS

- Conduct 60% 3D Model Review – WK 52
- Conduct 90% 3D Model Review – WK 30 (2024)
- With NUIMS and NUPRC participation

#### 1. PEER REVIEW 3

- Perform Peer Review 3

with NUIMS and NUPRC participation

- Implement findings into the design

#### 1. PHASE 2 COMPLETION

- All deliverables planned to be completed by WK 31 (2024)

#### PROCUREMENT PROCEDURE PLAN OF THE UBETA PROJECT

The Procurement Coordinator of the UBETA Main Development Project for NETCO, Mr Collins Eke, explained some of the project's procurement procedure plan and other factors, such as the challenges, significance and how the project will impact NETCO as the foremost Engineering company in Nigeria.

#### UBETA PROCUREMENT PLAN

The procurement plan for the project is to develop a comprehensive procurement management system on which every piece of equipment to be procured will depend. This equipment

has been categorized into three categories (A, B and C) based on their criticality and impact on detailed engineering design. Some of these pieces of equipment are identified as LLI (Long lead Items) and most critical, and ITB (invitation to Bid) is expected to be launched early in the Project to avoid delay.

#### CHALLENGES

Understanding the project's scope was a big challenge and required a detailed study of the scope of work.

Having several meetings with the client TotalEnergies and Doris Engineering on certain challenges, we were able to provide a remedy to pending challenges.

The Project is an EPC project, and NETCO stands to gain first-hand knowledge on how an EPC project is run from the client TotalEnergies and Doris Engineering. As for procurement, it will strengthen NETCO's procurement unit regarding delivery and providing the required deliverables in any EPC Project.



## SIGNIFICANCE OF THE PROJECT

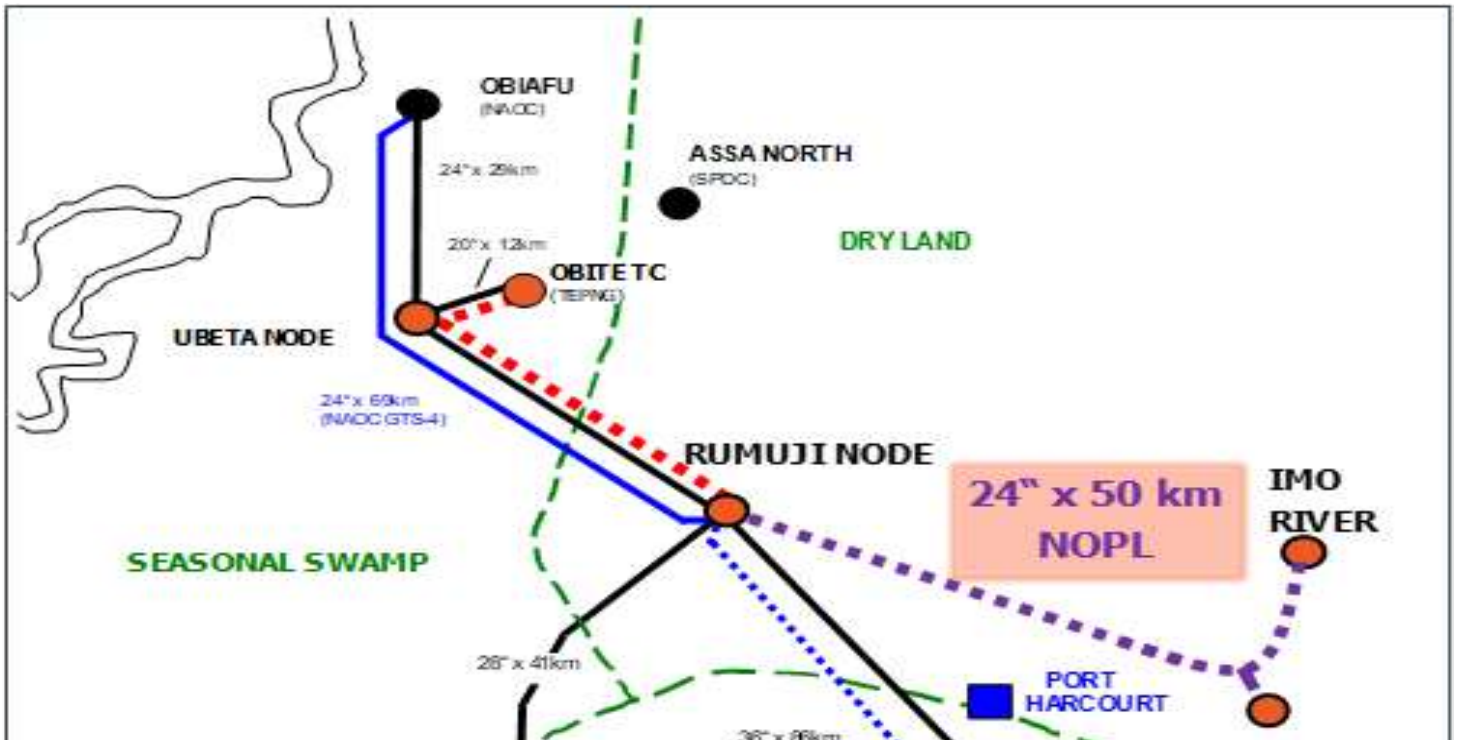
The Project gives me the opportunity to increase my capacity to deliver value for money as regards the purchase of equipment and services for the project and also learn from the client TotalEnergies and Doris Engineering on the best approach to procurement activities in any EPC project.

It will sensitize the public that although NETCO is known as the foremost Engineering company in Nigeria, it also has the competence to deliver in any Procurement scope of work.

## PROJECT IMPACT ON NETCO AS THE FOREMOST ENGINEERING COMPANY IN NIGERIA

In every EPC Contract, Engineering is usually about 20%, while Procurement is about (30-40) % and Construction (30-40%). NETCO will be able to build capacity in their member staff during the project, leading to NETCO winning and leading other EPC Jobs to come. This project will give NETCO access to an international database of OEMs and Suppliers that will help deliver EPC projects for NETCO in the future.

It will be recalled that an administrative kick-off ceremony to commence this laudable feat was held on the 27th of July, 2022 in NETCO's corporate office in Lagos, Nigeria. This was followed by a technical kick-off on the 15th of September, 2022 in DORIS' offices in Paris, France.





# MD, NETCO TOURS PROJECTS OFFICE FLOORS, IN READINESS FOR NETCO BECOMING A FULL-FLEDGED EPCI COMPANY

By Joseph Daniel



MD NETCO, Umar G. Aminu (middle) together with his team during the inspection tour of the UBETA Project Office

The MD, NETCO Umar Aminu has charged management and staff of the company during a tour of offices and facilities to capitalize on the opportunities afforded by the current re-organization, placement, and the revised business model for NETCO to put in their best to raise the promising fortune of the company as a leading engineering company.

According to the MD, with the confidence he has in the strategy document and the strength of NETCO's skilled

and experienced workforce, all that is needed to succeed is more discipline and focus on our core values.

Umar Aminu, who was accompanied by members of the company's management team, started the tour at the Information Technology Department where he inspected IT infrastructures and server rooms. He was pleased with the progress made and commended the project team for their dedication and hard work. He also encouraged them to continue to work towards

meeting the set timelines and quality standards on projects.

The next stopover on the tour was the Engineering Department, where Mr. Aminu met with the engineers responsible for the design and engineering of projects. He was impressed with the level of expertise and professionalism demonstrated by the team, which shows that the team is ready to take on more projects.

He, therefore, urged them to maintain their high standards.

The MD also visited the UBETA Project Team and was satisfied with the level of progress made so far on the Front End Engineering Design of the project for Total Energies.

He thereby enjoined the Project Team Lead and members to continue to maintain quality work standard. He also, visited the Kaduna Refinery and Warri Refinery Project Floors, the PHRC Rehabilitation Project

Floors and other office floors ready to take on the new projects in the pipeline for execution.

Speaking after the tour, MD NETCO expressed his satisfaction with the company's readiness to becoming a full-fledged EPCI company.

He commended the efforts of the management team and staff and assured them of the company's commitment to providing the necessary support and resources to enable them to take on more challenging projects.

NETCO, a subsidiary of the NNPC Limited, has over the years established itself as a leading provider of engineering, procurement, construction and project management services to the oil and gas industry in Nigeria.

With the company's readiness to become a full-fledged EPCI company, it is poised to take on even more challenging projects and expand its footprint in the Energy Industry land mark globally.



*MD NETCO, Umar G. Aminu during his inspection tour of the NETCO office floors*

# MD, NETCO CONDUCTS FIRE EMERGENCY DRILL AND MANAGEMENT WALKTHROUGH

By Joseph Daniel

In furtherance of its efforts to deepen NETCO's emergency response capability for the protection of NETCO's valued assets, the Management of NNPC Engineering and Technical Company Limited, led by the MD, NETCO, Umar Aminu conducted a fire emergency walkthrough to ascertain the readiness of NETCO to combat fire incidents.

The NETCO boss, together with his management team inspected the fire truck and

other firefighting gadgets designed to curtail fire incident within and outside NETCO's Corporate office.

Management carried out on-the-spot assessment of all firefighting installations such as fire extinguishers of various sizes within the building, fire hydrant systems, fire water storage tank and other fire prevention equipment that are strategically distributed across NETCO facility. In his address at the event,

Umar Aminu expressed satisfaction with the firefighting equipment and facilities on ground in NETCO.

He explained NETCO's path to goal zero incidents in all its operations, stressing that the Company considers safety as a primary item on management's agenda and as a gateway to staff robust performance contributing immensely to the high performance of the company.



R-L, Manager HSEQ, Akinyemi Johnson describing safety procedures to the MD NETCO Umar G. Aminu, & his Management team during the MD Fire emergency Walkthrough

He also explained that in an emergency, prompt response/ intervention is important because the difference between a small fire for instance and a big fire is the intervention time.

He further said, that NETCO FIRE TRUCK which was procured to strengthen NETCO's fire engineering system will not serve only NETCO Premises but shall also serve other neighboring office buildings and apartments in an emergency as a mark of its Corporate Social Responsibility.

Additionally, he said that this will help secure visibility mileage for NETCO and further project its image in a positive light within and outside our host communities.

The Manager HSEQ Department informed the audience that, the decision for NETCO management to procure and own a fire truck in addition to the installed firefighting apparatus emanated from the UBA fire incident of July 18, 2018 that engulfed its generator house beside the perimeter fence of NETCO building (Feyide House).

The provision of the fire truck and other firefighting apparatus has further strengthened NETCO's emergency response capability for the protection of NETCO valued asset.



L-R, Manager HSEQ Akinyemi Johnson, MD NETCO Aminu G. Umar, Manager Engineering Engr. Kingsley & COO NETCO Engr. Abdullahi A. Yuguda together with Lead, Community Relation Project Daniel Joseph during the fire emergency walkthrough



MD NETCO, Umar G. Aminu steps up into the fire truck

# NETCO BOARD CHAIRMAN, DIRECTORS HOLDS TOWN HALL MEETING WITH STAFF

By Fidelis Okoroanyanwu



*NNPC Executive Vice President (EVP), Downstream and Chairman of NETCO's Board, Engr. Adeyemi Adetunji addressing staff at the town hall meeting*

The NNPC Engineering and Technical Company (NETCO) recently organised a highly successful town hall meeting, bringing together its dedicated staff and management with the esteemed NNPC Executive Vice President (EVP), Downstream and Chairman of NETCO's Board, Engr. Adeyemi Adetunji.

The momentous occasion allowed for an engaging and interactive session in which the company's common vision, challenges, and aspirations were shared and addressed.

Daisy Wari (Mrs.), the Executive Director, Business Services, opened the event with a warm greeting and provided

an outline of NETCO's present status and future objectives. She aptly emphasised NETCO's significant transformation, now operating as a commercialised entity and progressing towards becoming a comprehensive Engineering Procurement and Construction (EPC) company through a merger with the Engineering and Technical Division (ETD) under the new name NNPC Engineering and Technical Company.

The presence of Engr. Adeyemi Adetunji, Chairman of the NETCO Board and NNPC Executive Vice President (EVP), Downstream, gave the event even more weight and significance. In his remarks to the workforce and management, the EVP Downstream emphasised the pivotal role that NETCO plays as one of NNPC Limited's core business units.

He articulated the company's objective of being a full-service Engineering, Procurement, Construction, and Project Management organisation.

Engr. Adetunji's words rang out with conviction and purpose, emphasising NETCO's critical role in the continuing rehabilitation of Nigeria's refineries.



*A cross section of NETCO staff during the town hall meeting*

He emphasised the upcoming commencement of operations at the Port Harcourt Refining Company (PHRC), further reinforcing NETCO's position in the nation's energy landscape.

In encouraging the NETCO team, he emphasised the importance of their involvement in acquiring more lucrative deals and their unwavering commitment and contributions to the company's success.

The NETCO Executive Directors, along with the EVP, Engr. Adeyemi Adetunji actively interacted with the NETCO staff during

the town hall meeting, establishing an environment of open communication and collaboration.

This opportunity enabled employees to express their concerns, seek clarity, and present their ideas and suggestions. The interactive session covered a variety of subjects, including wage increases, employee well-being, career growth, training programmes, project engagement, and collaborations with industry leaders.

The NETCO staff took advantage of the opportunity to thank the Board Chairman

and NNPC EVP for organising the town hall meeting, recognising its significance as the first of its kind. The immediate PENGASSAN Branch Chairman, Comrade Andrew Onah, voiced the collective sentiment of the staff, affirming their readiness to tackle the challenges ahead.

He spoke eloquently about compensation inequities and asked the Board Chairman and Directors to intervene to ensure employee justice and harmony.

Comrade Nuhu Obaje, the NETCO PENGASSAN Chapter Chairman, also addressed the platform and delivered



*L-R GC NETCO, Mrs. Osinaike Titilola; MD NETCO, Mr Umar G. Aminu; EVP Downstream Engr. Adeyemi Adetunji and EDBS NETCO Mrs. Daisy M. Wari at the town hall meeting.*

a welcome address highlighting NETCO's successes as an EPC business. He emphasised the dedicated NETCO workforce's skill and professionalism, drawing attention to the company's pioneering success of obtaining ISO 9001 certification two decades ago.

Comrade Obaje emphasised the need for continuing interactive sessions and preserving strategic vision, policies, and direction in the face of shifting leadership. He also expressed worries about workplace discrimination, professional advancement prospects, and employee well-being, encouraging management to address these critical issues.

The subsequent Q&A session dug deeper into the employees' questions and concerns. The Board Chairman, Engr. Adetunji responded attentively and assured the personnel that their concerns were addressed seriously. He emphasised the company's commitment to competitive pay and acknowledged the need for additional dialogue. The Chairman's soothing statements echoed a genuine desire to resolve the concerns voiced by the staff and build a positive work environment.



*Comrade Nuhu Obaje giving his remark during the town hall meeting*



**NETCO is set to broaden its horizons to make high profits like contemporary organisations... with the aspiration of being a seven (7) billion-dollar profit organisation that eschews the values of a profitable, vibrant, and growth-oriented company supported by the Board.**



L-R: Chief Operating Officer NETCO, Engr Abdullahi A. Yuguda; Executive Director Finance NETCO, Mr. Olajide B. Asaolu; General Counsel NETCO, Mrs. Osinaike Titilola; NNPC Executive Vice President Downstream & Chairman of NETCO Board, Engr. Adeyemi Adetunji (centre); Executive Director Business Services NETCO, Mrs. Daisy M. Wari; Managing Director NETCO, Mr Umar G. Aminu; and Executive Director Project Management NETCO, Engr. Ibrahim Asheikh Jarma at the town hall meeting



# NETCO DIRECTORS, STAFF SHOW COMMITMENT FOR HSE 'GOAL ZERO NO INCIDENTS CAMPAIGN'

By Kingsley Umoh

The Nigeria National Petroleum Company Limited as part of effort geared towards ensuring continual improvement of her Health Safety Environment (HSE) Culture across the business strata organised a company-wide HSE Culture programme.

The campaign programme which has the theme **'STARTING STRONG CAMPAIGN-GOAL ZERO: HSE IN THE LINE'** is aimed at strengthening the company's HSE culture to prepare all staff for an incident free year and also measure the company's HSE performance at the end of the year in view.

The campaign is also targeted to create awareness and educate line Heads and Supervisors on HSE responsibilities to themselves and their subordinates as staff are expected to participate actively in these campaigns.

NETCO's Directors in a show of commitment and support recorded a short video clip for the **'GOAL ZERO NO INCIDENTS'** campaign programme at the company's corporate office in Lagos.

The Directors dressed in T-shirt with the inscription **'GOAL ZERO NO INCIDENTS'** recited the campaign pledge in unison while punching

the air as they shouted the **'GOAL ZERO NO INCIDENTS'** slogan

Staff in departments together with their line Heads also recorded short clip videos which was forwarded to the company's Corporate Head Quarter (CHQ) in Abuja through NETCO's HSEQ department as part of their contribution to the success of the programme.

Other event lined up for the programme were quiz competition; Scavenger hunt; Safety in the limelight competition; Bringing safety to the home: A day with the kids; Goal Zero Day and Contractor HSE Conference.



L-R: NETCO Executive Directors, Executive Director Finance NETCO, Mr. Olajide B. Asaolu; Chief Operating Officer NETCO, Engr Abdullahi A. Yuguda; Managing Director NETCO, Mr Aminu G. Umar; General Counsel NETCO, Mrs. Osinaike Titilola; Executive Director Business Services NETCO, Mrs. Daisy M. Wari; Executive Director Project Management NETCO, Engr. Ibrahim Asheikh Jarma and Manager HSEQ, Engr. Akinyemi Johnson taking the Goal Zero No Incidents pledge.

# SHUAIBU ABDULLAHI, TWO OTHERS EMERGES WINNERS OF GOAL ZERO QUIZ COMPETITION

By Fidelis Okoroanyanwu



L-R: Shuaibu Abdullahi; Olagunju Timilehin; Medinus Sylvia and Dauda Oyewunmi displaying their gifts

As part of activities that follows the NNPC Group Health Safety Environment and Quality Goal Zero Campaign, an online quiz competition was organised for staff across board on Tuesday March 8, 2023.

NETCO Health Safety Environment and Quality (HSEQ) in collaboration with NNPC GHSE encourage staff participation and draw out guidelines for the quiz competition.

Some of the guidelines and conditions for participation were;

- All staff, including contract staff, are eligible to participate in the competition.
- HSE staff and safety wardens are exempted.

- NETCO ISO certified auditors are not eligible to participate in the quiz competition.
- There will be 20 questions.
- Check boxes were provided for the multiple choice questions and participants had to click on the applicable check boxes to indicate their answers to the questions.
- Where questions are subjective, participants had to use the space provided in the text box to provide answers.
- Participants were encouraged to answer all questions.
- Participants had to submit the document with answers to [hseq@netco.com.ng](mailto:hseq@netco.com.ng) no later than 4:00pm Wednesday March 8, 2023.

- All submission received after the set time were invalid.
- Answers to the quiz were sent to [hseq@netco.com.ng](mailto:hseq@netco.com.ng)
- HSEQ department collated the results on Thursday, March 9, 2023 and published the results before the close of business on the same day.
- The best and earliest 3 entries will receive awards. At the end of the exercise, three participant were shortlisted as first, second and third respectively. They were; **Shuaibu Abdullahi of the Project Control department** who came first, followed by **Olagunji Timelehin (Mechanical Engineering)** and **Medinus Sylvia (Electrical Engineering)**.

A brief ceremony was organised to recognize and reward the winners during the NETCO quarterly Fire Grill activity which had some NETCO Board of Directors in attendance, Mrs Daisy M. Wari (Executive Director Business Services), Mrs Osinaike Titilayo (General Counsel) and Mr Olajide Bamidel Asaolu (Executive Director Finance) presented gifts to the top 3 participants

The HSEQ released a short statement which reads: "The HSEQ department on behalf of the NNPC Group HSE wishes to express our profound appreciation for the overwhelming support and participation in the Goal Zero campaign in general and the Quiz competition in particular.

These worthy ambassadors deserve all the accolades. We wish them well and encourage them to represent NETCO in the best way possible

The results are ready and the top 3 participants are as stated below" the statement read in part. After the presentation of gifts to the top 3 participant by NETCO Board of Directors present in the occasion, the top 3 winners expressed their feeling to NETCO News correspondent.

The winner of the quiz competition, Engr. Shuaibu, Abdullahi said "I am very excited as a winner of the Goal Zero No Incident quiz

competition of NETCO, and I believe when I represent NETCO in the company wide completion in Abuja, I am going to put in my best, I am going to cascade all the knowledge I have to my colleagues in NETCO.

Being a winner in this quiz competition, will enable me to do more on the Safety Incident by reporting On My Safety portal, the You See You Act that we have in NETCO. I will follow all the safety rules and regulations



*The winners with Management of NETCO*



**These worthy ambassadors deserve all the accolades. We wish them well and encourage them to represent NETCO in the best way possible**

# BENEFITS OF THE CHEVRON NIGERIA LIMITED SOUTH OFFSHORE AND NORTH OFFSHORE AREA PWD PROJECTS AT CLOSE OUT.

By TAUNA Aristobulus

In March 29, 2023 NNPC Engineering and Technical Company (NETCO) Limited technically completed the Front-End Engineering Design (FEED) works for the implementation of a suitable Produced Water Disposal (PWD) system for its North Offshore Area (NOA) platforms and Detailed Engineering Design (DED) for its South Offshore Area (SOA) PWD System for Chevron Nigeria Limited (CNL). The drive was targeted at meeting the legitimate aspirations of the highly esteemed client CNL. The success to the projects was owed to engagement of NETCO by CNL in its effort to develop and implement an optimal, reliable water injection solution for improved production, and a suitable Produced Water Disposal (PWD) systems on its SOA (Okan, Meji and PWD Platforms) and NOA (Meren 1, Meren 2 and Parabe Platforms). These projects aligned with CNL's requirements of about 5 - 10ppm Oil-in-Water to comply with the directives of the Nigerian Government for the safe disposal of produced water to meet Chevron Produced Water Environmental Performance Standard (PW-EPS).



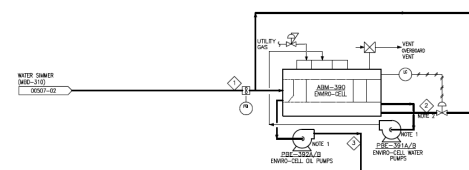
The treated produced water (PW) from NOA and SOA platforms are intended to be discharged overboard after treatment to CNL and Nigerian Upstream Regulatory Commission (NUPRC) acceptable threshold, or otherwise, the PW will be used to enhance production in candidate wells close to the platforms.

The execution of both front end and detailed engineering design projects were governed by requirements of Chevron and EGASPIN regarding produced water disposal location stated as follows:

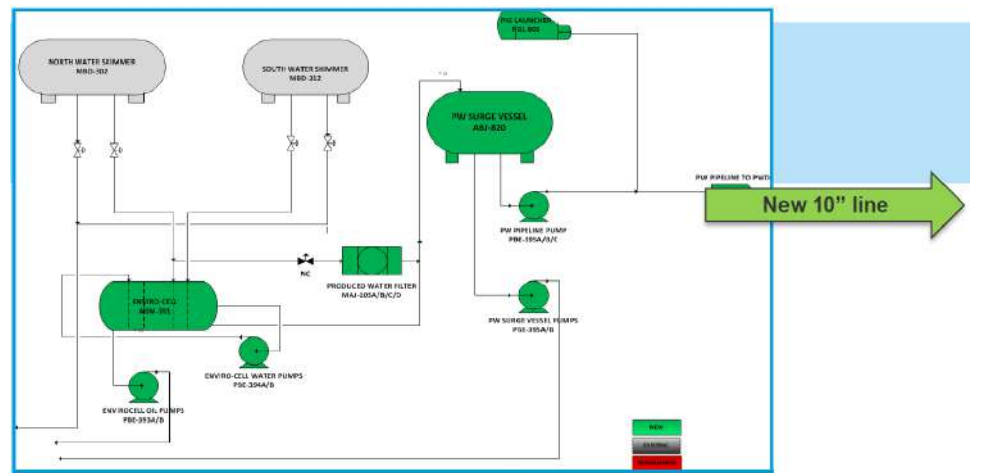
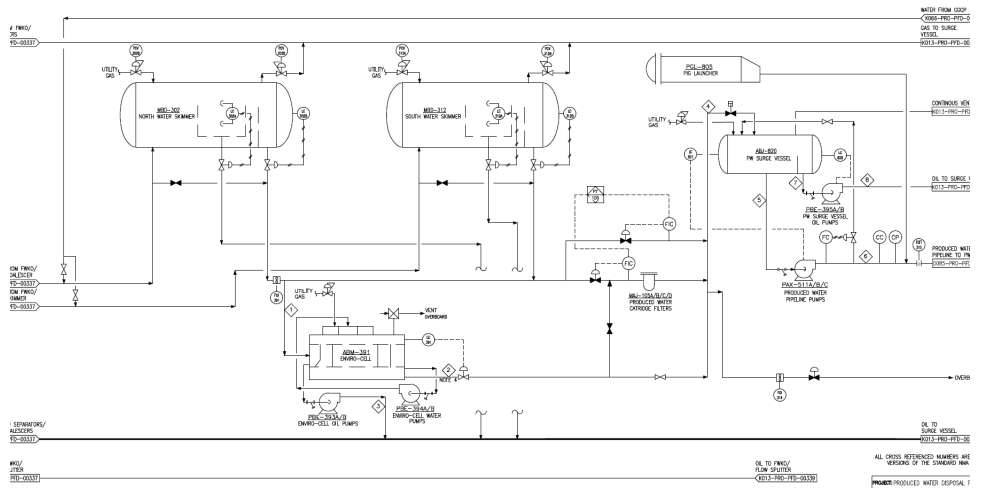
- To discharge produced water at the greater of 12 nautical miles offshore and the distance at which 200ft depth of water is attained (this translates to about 70km offshore Escravos); otherwise,
- Have the produced water injected into available compatible reservoirs.

Chevron Produced Water Environmental Performance Standard meets this requirement of water injected into compatible reservoirs; unless if technically proven as unfeasible. The process flow diagrams are presented:

## NOA PWD Process Flow Diagram:

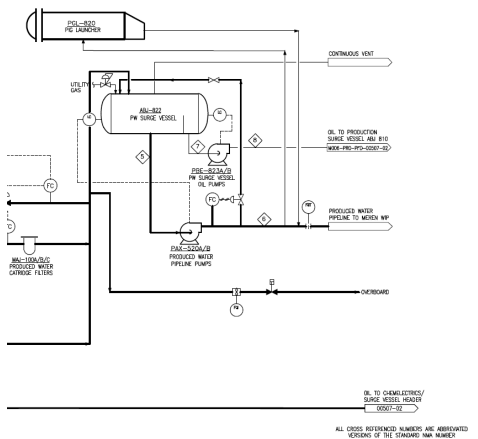


The North and South Offshore Area Production Platforms produced water systems engineering works involve modifications of the existing facilities, process philosophies, structural integrity checks of the platforms, piping network, installation of new equipment Enviro Cell, pipeline pumps, pipelines, corrosion considerations, electrical and instrumentation works. Treated Produced Water from pre-identified CNL North Offshore Area platforms is currently routed to Parabe, Meren 1 and Meren 2 platforms and discharged overboard after treatment to about 5 - 10ppm Oil-in-Water. The facilities were designed to accommodate New Surge Vessels supported directly on existing main decks – structural analysis confirmed the needed local strengthening of the deck. The Enviro Cell will be supported approximately five meters directly above the Surge Vessel – these were required deck modifications



The facilities were designed to accommodate New Surge Vessels supported directly on existing main decks – structural analysis confirmed the needed local strengthening of the deck. The Enviro Cell will be supported approximately five meters directly above the Surge Vessel – these were required deck modifications to create platforms for the Enviro Cells.

**Existing Deck for Structural modification of MEREN 1 is shown below:**



## Benefits of SOA and NOA PWD Projects

A number of benefits were recorded during the execution of the CNL Produced Water Disposal Projects. These include the following:

1. During the Project execution phase the project team considered various options on how best to stress fourteen (14) piping systems including the Pipeline Riser within the time frame allotted.

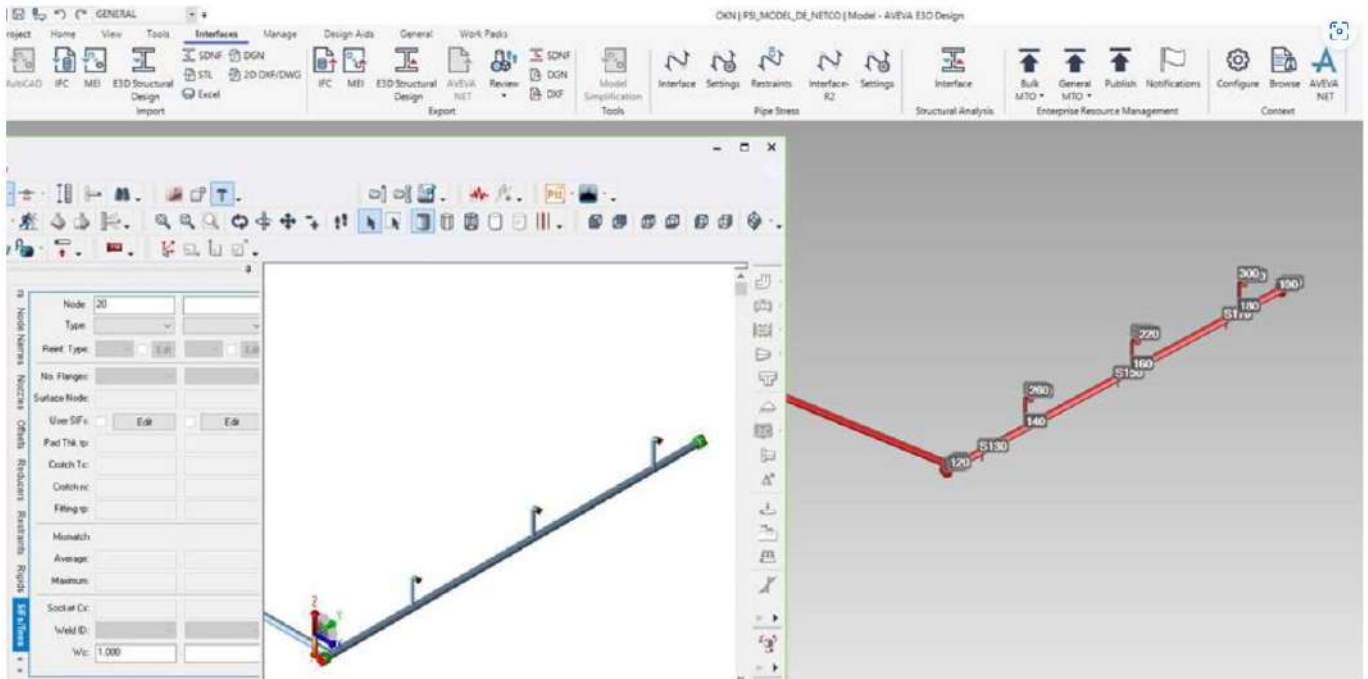
The task entailed tedious

pipe modelling in both CAESAR II and AVEVA E3D followed by performance of the stress analysis.

The stress analysis is required to reveal points of pipe failure and indicate locations in need of piping and structural supports. The projects E3D Administrator Engr. Usman MODIBBO, NETCO Stress specialist Funkuro WERIGBELEGHA and Project Management Team were able to explore and adapt the applicability of the bi-direction export/

importation of critical lines from the E3D model into CAESAR 2 and vice versa. NETCO can now accomplish the bi-directional export/import of critical lines from E3D to CAESAR-II.

Projects no longer need to remodel the piping systems once modelled in AVEVA E3D or the other. This is a milestone for project execution which will have time and costs saving implications for NETCO. See Figure below.



2. Strengthening of skills of young professional opportuned to work with NETCO subject matter experts of various disciplines in the execution of the Projects.

This built team confidence and honed the required skills for the projects

3. For Structures: the skills acquired, the time and cost savings were gains that came from understanding

the interface between software tools. This was made possible by the extraction of the E3D model from SACS.

With the limited engineering data and no E3D model for Meren 1 production platform.

The Structures team were able to build 3D Model from SACS files which enable the team make up for gaps in documentations received.

## Conclusion

The North and South Offshore Area Produced Water Disposal Projects come with benefits to equip NETCO for other opportunities in the future.

# NETCO MARKS FIRST HALF 2023 LIFT FREE DAY

By Kingsley Umoh



*NETCO Lift Free Day: Chief Operating Officer (COO), Engr. Abdullahi A. Yuguda, having his vitals taken*

The NNPC Engineering and Technical Company (NETCO) marked its first Lift Free Day for the year on Thursday 16th of March 2023 in the company's corporate office in Lagos.

NETCO's Health Safety Environment and Quality (HSEQ) department in collaboration with NETCO Med bay and Human Capital Management (HCM) lined

up series of activities to commemorate the day which also include the World Kidney Day for the First Half of 2023.

Some of the activities carried out for the day was taking Blood Pressure checks on Staff, Client, Contractors and visitors at the point of entry into the company's premises, with the NNPC's clinic available to attend

to any abnormal readings.

While the Lift Free Day was designed to encourage staff to make more use of the stair case, those with abnormal readings and health challenges were given an exemption wrist bands to prevent them not to make use of the staircase so as to avoid an adverse effect on their health.

# PHOTO NEWS

## MD NETCO TOURS OFFICE FLOORS



MD NETCO, Umar G. Aminu (middle) together with his TA during the inspection tour of the UBETA Project Office



Umar G. Aminu, MD NETCO (middle) with Daniel Osin, Admin Business Partner, NETCO (left) and Frank Nwaneto, T.A to the MD, NETCO (right) during the inspection tour of offices and facilities



MD NETCO, Umar G. Aminu (middle) flanked by the General Counsel, Titilola Osinaike and others during the inspection tour



MD NETCO, Umar G. Aminu with his TA, and Manager HSEQ

## NETCO FIRST QUARTER MEDICAL OUTREACH



NETCO staff taking his vitals during the 'know your number' floor to floor check.



NETCO Medical personnel Mrs. Gladys Iwuoha and Assistant Mrs. Joke olorunnibe on duty during the 'Know your Number' floor to floor check.



# PHOTO NEWS

## NETCO BOARD CHAIRMAN, DIRECTORS HOLDS TOWN HALL MEETING WITH STAFF



NNPC Executive Vice President (EVP), Downstream and Chairman of NETCO's Board, Engr. Adeyemi Adetunji speaking with T.A to the MD, Engr. Franklin Nwaneto



L-R: NETCO Executive Directors; COO, Engr. Abdullahi A. Yuguda; EDPM, Engr. Asheik Jarma; and EDF, Mr. Bamidele Asaolu at the event



NETCO's EDBS, Mrs. Daisy Wari flanked by the NNPC Executive Vice President (EVP), Downstream and Chairman of NETCO's Board, Engr. Adeyemi Adetunji (left) and NETCO COO, Engr. Abdullahi Yuguda



Lead, Community Relations Projects, Daniel Joseph, addressing the Management and Staff of NETCO as the Master of Ceremony (MC) of the town hall meeting



Cross section of NETCO staff present at the Town hall meeting



Cross section of NETCO staff present at the Town hall meeting

# PHOTO NEWS

## NETCO MD FIRE EMERGENCY DRILL AND MANAGEMENT WALKTHROUGH



L-R: Manager HSEQ, Engr. Akinyemi Johnson; MD NETCO, Mr. Umar G Aminu; Lead, Community Relations, Mr. Daniel Joseph; Manager Engineering, Engr. Kingsley; and COO NETCO, Abdullahi A. Yuguda during the Safety Tour



MD NETCO, Umar G. Aminu steps up into the fire truck



MD NETCO, Umar G. Aminu (middle) flanked by the Admin Business Partner, Daniel Osin(left), and Manager Engineering, Kingsley Asoh (right) during the Safety tour



MD NETCO, Umar G. Aminu with his team during the Safety Tour



NETCO MD Umar G. Aminu during the Safety Tour inspecting NETCO's fire truck



Cross section of NETCO Management and Safety Personnel after the MD's Safety Tour

# PHOTO NEWS

## LIFT FREE DAY



Executive Director Finance (EDF), Mr. Olajide B. Asaolu, having his vitals taken by medical personnel on duty



General Counsel (GC), Mrs. Titilola Osinaike, having her vitals taken by medical personnel on duty



Chief Executive Officer (COO), Engr. Abdullahi A. Yuguda, having his vitals taken by medical personnel on duty



Cross Section of Medical personnel, HSE professionals and volunteers who all organised the Lift Free Day



Lead, Community Relations Project, Mr. Joseph Daniel having their vitals checked during the No Lift Day exercise



NETCO staff having their vitals checked during the No Lift Day exercise

# PHOTO NEWS

## NETCO MANAGEMENT TEAM VISIT TO THE PORT HARCOURT REFINERY REHABILITATION PROJECT



NETCO management team led by Aminu G. Umar being received by the Technimont team during the visit to the PHRC Rehabilitation Project



Group photograph of NETCO management team together with PHRC personnel during the visit at the PHRC Rehabilitation site



MD NETCO, Aminu G. Umar with his team during an inspection tour in one of the facility at the PHRC Rehabilitation project



Group photograph of NETCO management team together with PHRC personnel during the visit at the PHRC Rehabilitation site



MD NETCO, Aminu G. Umar with his team during an inspection tour in one of the facility at the PHRC Rehabilitation project



COO NETCO, Engr. Abdullahi Yuguda in discussion with MD NETCO, Aminu Umar PM NETCO Agbe Davis and PHRC personnel during the site visit to the PHRC Rehabilitation Project.

# PHOTO NEWS

## NETCO MANAGEMENT TEAM VISIT TO THE KADUNA REFINERY REHABILITATION PROJECT



L-R, Ilukhor Christopher O, NETCO Mgr. Business Development & Bids, Engr. K Asoh, Mgr. Engineering, Engr. Muhammad Madaki, MD KPRC, Engr. Mustapha M. Sugungun, MD NETCO, Mr. Aminu G. Umar, NETCO EDPM, Engr. Asheikh Jarma & NETCO EDF, Mr. Asaolu Olajide



MD NETCO, Aminu G. Umar being flanked by NETCO EDPM, Engr. Ibrahim Asheikh Jarma ( left), MD KPRC, Engr. Mustapha M. Sugungun and Daewoo personnel ( right) during the inspection tour at the KRPC rehabilitation project



Daewoo Nigeria Limited personnel explaining the use of one of the equipment to MD NETCO and his team during the site visit to the KRPC Rehabilitation project



Daewoo Personnel with Engr K. Asoh giving his remarks during the meeting held with NETCO management team for the inspection tour of the KRPC Rehabilitation project



Daewoo Nigeria Limited personnel together with NETCO EDPM, Engr. Ibrahim Asheikh Jarma, MD NETCO Aminu Umar, and MD, KRPC, Engr. Mustapha M. Sugungun analysing the design on the drawing board during the inspection tour at the KRPC Rehabilitation project



An overview of the Kaduna Refinery Petrochemical Company (KRPC)



Medical personnel and volunteers attending to staff during the Lift Free Day

The astute Engineer also called on staff to pay attention to their diet as he encouraged them to be conscious of their intake, visit the clinic to monitor their 'vitals' and exercise regularly

He said "the kind of food we eat can impact on our health, and we should carry out regular exercise activity which can impact on our health positively, we advise those who have health challenges that are traced to family history to visit the hospital regularly at least once in a week.

With the numbers we will garnered from this exercise, we are going to do analysis of the results, and those that are on boarder line will be closely monitored by the Medical team.

For every one of us, our

safety is in our hands, and those of us whose numbers are rising and our health feel threatened, we should know that high Blood Pressure can lead to stroke. We should be conscious of our routine."

Engr. Akinyemi, however commended Management for the noble initiative as they have provided all the necessary facilities to help improve the health and well-being of NETCO Staff.

He added "we must commend Management for providing us with a gym facility, we have in-house Med Bay which is linked to the NNPC Medical, and we have a stationed ambulance in the case of an emergency."

He concluded by emphasising that the Lift Free Day Exercise has no

exemption, from the top Management to the Down line staff are meant to participate as every staff is an asset to the company and must be treated equally.

Recall that NETCO Marks the Lift Free Day bi-annually, the day is set aside to encourage Staff to check their Blood Pressure and other vitals. Staff are also expected to use the stair case all through the day as a way of commemorating the day.

As NETCO Staff marked and participated in the 2023 Lift Free Day, they poured encomiums and appreciation for the initiative carry out by Management to see to the good health and well-being of Staff, which in turn will encourage them to live a healthy life style.

## LIFT FREE DAY: NETCO STAFF COMMENDS MANAGEMENT INITIATIVE

Some of the Staff who spoke to NETCO News correspondence bare their mind on the importance of the exercise and how it will impact on their well-being.



**I LAUD NETCO MANAGEMENT FOR THIS INITIATIVE**  
**Adim Ogbue**  
 (Business Development)

This initiative taken by Management alongside HSEQ, I laud them for this exercise in the sense that health is wealth, this people that do not check their blood pressure, sugar level and take accountability for their health to do so.

As this are things that when not checked may cause underlining issue, we need to have this checked me people take their health lackadaisically, so it is good we keep up this exercise as it will generate dividend for the staff at large.

This will also give me more impetus to exercise and I tried to do my own bit by checking my blood pressure regularly at the Med bay, and I take my prescribed drugs, this is a good initiative for me personally because it will help me have a holistic check on my general well-being which will impact my work output and ensure I give accountability for the work I do for NETCO.



**I FEEL MOTIVATED AND INSPIRE THAT I CANNOT GO SICK WORKING FOR NETCO**  
**Mr Collins Eke** (Business Development)

The checks carried out on me by the Medical team gives me a sense of satisfaction that the NETCO actually care about my well-being and I feel motivated and inspire that I cannot go sick while working for the organisation.

I want to say thank you to NETCO for this sensitization and their support for humanity.

In order to continue to improve on my health and well-being, I am already registered with the NETCO Gym to keep on with my well-being and fitness, subsequently.

I will ensure that I manage the kind of food I eat in terms of dieting to reduce my level of cholesterol to a very healthy level, and to ensure that the activity I am involve in are health driven to live a healthy status.



**THIS EXERCISE IMPROVES STAFF MOBILITY**  
**Engr. Marilyn Elechi** (HSEQ)

This exercise is a much needed one and it shows Management's commitment to help the staff because one of NETCO's certification is the Occupation Health and Safety certification which is Management driven.

This exercise is one of the ways Management shows it cares for its staff. By carrying out this Lift Free Day activities, it ensures that staff are more mobile, do not need to use the lift as they move about, instead they use the stair case which will make a lot of difference in their health.

On a day like this, before staff goes in, the blood pressure is checked, and for those who have health concerns, this is one of the ways to detect it easily and refer them to the appropriate medical expert.

It is a very good initiative, and I am proud of NETCO for carrying on this tradition over the years and I am very sure that it is something that will continue.



**IT IS A NOBLE EXERCISE**  
**ADEBOWALE AJANI**  
**(Human Capital Management)**

The exercise is a noble one in the sense that it will keep staff abreast of work balance, it also encourages staff to do more of physical exercise for healthy living. This exercise is very useful for every one of us as it promotes a healthy living. Staff should also complement what is being done here by carrying out regular exercise, their work life balance in the work place and their different homes should be promoted which is a way to help our health awareness.



**NETCO SHOULD MAINTAIN AND CONTINUE WITH THIS INITIATIVE**  
**- Oge Chigbuo**

I believe it is a very good initiative and it is something that should continue to go on, I know NETCO has been doing this for a very long time, and it helps the health of the staff, today we found out people that have high blood pressure and did not know about it, Some people are not too conscious about their health, especially their

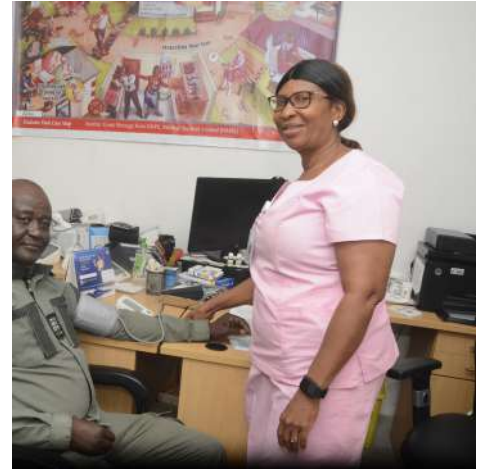
blood pressure which is important, this help to keep staff in check.

Some of the measures I would adhere strictly with to continue to live a healthy lifestyle is to try to use the elevator less, and use the gym because the work we put in the body help to regulate the blood pressure and I will not forget eating less salty food.



**THIS ENSURES STAFF KNOWS THEIR VITAL SIGNS -**  
**Mrs Ajayi Oluremi**  
**(Medical Unit)**

It is a good exercise especially for staff who do not use the clinic to know their vital signs and blood pressure, from this exercise, we can pick people that have predisposing factor to high blood pressure and people that are hypertensive as we know that hypertension is a silent killer. We want to encourage everyone to check their blood pressure, they should not wait till when they are ill or having symptoms of malaria or any ailment, staff should check their vital signs to know if they are fit to work or not. We also want to encourage NETCO Management that this exercise should continue, as it will go a long way in helping them individually.



**IT IS A GOOD INITIATIVE**  
**Mrs Iwuoha Gladys**  
**(Medical Unit)**

This Lift Free Day is a good initiative, and I thank NETCO Management for sustaining it over the years, because it has help us as Nurses to identify non-compliant cases, especially those staff that are hypertensive, with this, we are able to do a follow up on staff to take their drugs as stipulated, There are also new cases that we identify, and when we identify them we give them their medication and follow them closely. We all know that hypertension is a silent killer, when we identify this early, they are happy and would be willing to take their drugs. We are here as Medical personnel and want to ensure that the life of our staff are safeguarded as this Lift Free Day provide opportunity for staff who do not use the stair case to do so as it will give them a great effect in their body, we also encourage staff to use the gym. As a result of the positive effect of this exercise, it will be good if Management can do this Quarterly as it will go a long way to help our staff and Management in the long run.



# NCDMB REPRESENTATIVE VISIT NETCO'S EDBS, MANGEMENT STAFF APPLAUDS NETCO FOR PROFESSIONALISM AND EXCELLENCE

By Chinyere Azubuiké



*Mrs. Daisy Wari, NETCO Executive Director Business Services (EDBS)*

The Nigeria Content Development and Monitoring Board (NCDMB) on Tuesday 31st January 2023 paid a courtesy visit to the Executive Director Business Services (EDBS) of the NNPC Engineering and Technical Company (NETCO) Mrs. Daisey M. Wari together with some other Management staff present.

The two NDCMB representative; Mr. Emmanuel Abakpa and Mr Uwem Bassey of the Monitoring and Evaluation Directorate made the visit shortly after concluding monitoring of induction and Assessment Test of the new NCDMB graduate trainee enlisted into NETCO for the 2023 internship programmme.

Mr. Abakpa commended NETCO for their professionalism and hospitality while thanking the Management and staff for their effort in ensuring a seamless induction and Assessment Test carried out for the NCDMB new trainee. He added: "NETCO is a company we hold in high esteem, they are the best when it comes to the area of their specialization, we urge the Management and

staff to continue to uphold the standard that NETCO is known for over the years" Mr. Bassey, the other NCDMB representative stated that they will be taking the good message on what they have observed in NETCO to NCDMB management, while also appreciating NETCO for their Professionalism and excellence in all their engagement. He however extends an invitation to NETCO to visit NCDMB in the nearest future as both organisation continue to foster relationship in training and development.

***“NETCO is a company we hold in high esteem, they are the best when it comes to the area of their specialization...”***

NETCO EDBS Daisy M. Wari reiterated that NETCO's watchword has always been Transparency, Accountability and Professional Excellence as she prides the quality of trainee being churn out by the company. She said "NETCO pride itself in transparency accountability and professional excellence and that is who we are, everything we do you will see that touch of class, it is always there." The Manager, Human Capital Management (HCM) Mrs. Lillian Nse Afu-Leo, who was also present in the meeting, expressed satisfaction with the exercise, and stressed that NETCO remains the best in training and development anywhere in the world. She informed that NETCO's training facilitators are the best hands that can be found in the Engineering industry as clients always get as much as they desire.

The Manager, Governance Risk and Control (GRC) Mohammed Bappah, confirmed that the list for the successful candidate in the Assessment Test will be release to Management and assure that those candidates that participated in the Assessment Test will not leave NETCO the same the way they came in after spending eight-hour period within the premises of the company.

He reiterated that NETCO is the foremost

Engineering Company in the Oil and Gas industry in Nigeria and he promised that the objectives of both NETCO and NCDMB will be achieved in the training programme.

It will be recalled that nine NCDMB trainees began a training programme in NETCO on Tuesday August 9, 2022, and six of the trainees who successfully completed the programme were graduated on Friday, 30th September 2022, in a ceremony attended by top NETCO Management staff.



*L-R: NETCO EDBS, Daisy Wari; NETCO Lead GRC, Mr. Bappah Mohammed and NCDMB Official, Mr. Emmanuel Abakpa*



*Cross section of NETCO Staff, NCDMB Officials and NCDMB Graduate Trainees*

# EMERGING THREATS IN THE WORKPLACE: A CASE STUDY OF THE NNPC ENGINEERING AND TECHNICAL COMPANY

By Adeuga Abraham



The modern workplace has seen a significant transformation in recent years, with technological advancements and changing business models. With these changes comes new challenges and emerging threats that companies need to address to keep their employees safe and their businesses secure.

NETCO is no different as we are not immune to this issues as it affects organizations we will discuss some of the emerging threats in the workplace and what organizations like NETCO can do to mitigate them.

## 1. Cybersecurity Threats:

As companies increasingly rely on technology for their operations, they become vulnerable to cybersecurity threats such as data breaches, ransomware attacks, and

phishing scams.

These attacks can compromise sensitive data, disrupt business operations, and damage a company's reputation.

To mitigate these threats, companies should implement robust cybersecurity protocols, including ensuring strong passwords, regular software updates, and employee training on how to identify and avoid cyber threats.

## 2. Workplace Violence:

Workplace violence is a serious threat that can result in injury or death to employees. This threat can come from employees, customers, or even outsiders.

To mitigate this risk, companies should establish clear policies and procedures for reporting and addressing workplace violence.

They should also conduct

background checks on all employees and implement a zero-tolerance policy for violence or threats of violence.

## 3. Mental Health Challenges:

The pandemic has brought about an increase in mental health challenges for many employees. These challenges can affect their productivity, engagement, and well-being. To address this threat, companies should prioritize employee mental health and provide resources such as mental health counseling, support groups, and mental health days, as well as conducting regular checkups on staffs to ensure they are in the right frame of mind.

## 4. Employee Burnout:

Employee burnout is another emerging threat in the workplace. Burnout is a syndrome conceptualized as resulting from chronic workplace stress that has not been successfully managed.

It is characterized by three dimensions: feelings of energy depletion or exhaustion; increased mental distance from one's job, or feelings of negativism or cynicism related to one's job it can lead to decreased productivity, increased absenteeism, and high turnover rates.

To prevent burnout, companies should prioritize work-life balance, offer flexible work arrangements, and provide opportunities for professional development and growth, as well as better pay and welfare packages.

**5. Diversity and Inclusion Challenges:**

Diversity is the presence of differences within a given setting. In the workplace that can mean differences in race, ethnicity, gender identity, age and more. Inclusion is the practice of ensuring that people feel a sense of belonging and support from the organization. Companies are increasingly recognizing the importance of diversity and inclusion in the workplace.

However, diversity and inclusion challenges continue to emerge, including discrimination, harassment, and bias.

To address these challenges, companies should implement clear policies and procedures for reporting and addressing discrimination and harassment.

They should also provide diversity and inclusion training to all employees and ensure that their recruitment and promotion processes are fair and inclusive.

**6. Rising costs:**

Due to the war in Ukraine vs Russia coupled with the fallout from post pandemic



era and the issues from the US banking system collapse, this had led to rising costs globally for food items, energy costs as well as costs for every other items which has made costs of living, housing, and doing business go up.

This has become a huge risk to staff as they grow unusually weary due to the amount earned not being able to meet needs and businesses having to deal with huge overhead and operating costs which has reduced profitability.

Companies in this era have to evolve and change their idea of work to save energy costs which is prevalent as more companies embrace work

from home, reduce waste and try and maximize profit.

In conclusion, the workplace is constantly evolving, and with it comes new challenges and emerging threats.

Companies need to be proactive in identifying and mitigating these threats to ensure the safety and well-being of their employees and the security of their businesses.

By implementing robust policies and procedures, prioritizing employee well-being, and promoting a culture of diversity and inclusion, companies can create a safe and supportive workplace for all employees.

# THE CONSEQUENCES OF POOR GOVERNANCE, RISK AND COMPLIANCE (GRC) IN NIGERIA.

By Goerge Egonu

According to the OCEG, Governance, Risk, and Compliance (GRC) is the integrated collection of capabilities that enable an organisation to achieve objectives reliably, address uncertainty and act with integrity. Companies use GRC to attain organisational goals reliably, remove uncertainty, and meet compliance requirements.

Governance refers to company policies, rules, or frameworks to achieve business goals. It defines the responsibilities of key stakeholders, such as the board of directors, management, and employees, as well as their relationship with regulators.

In Risk Management, businesses face various risks, including business, financial, operational, political, strategic, regulatory compliance and reputational risks. Businesses use enterprise risk management to forecast issues and minimise losses that could affect a company's operational goals.

Compliance entails the act of following rules and regulations. Compliance encompasses internal

policies and procedures and legal and regulatory requirements set by various government agencies. In GRC, compliance involves implementing procedures to ensure business activities comply with regulations. The Nigerian business environment is fraught with a variety of multifaceted challenges. They include

and compliance that have affected various Nigerian Industries.

Multiple banks have experienced situations where their senior management absconded with depositors' money, leading to the failure or consolidation of the bank.



regulatory laxity, political instability, endemic corruption and fraud, opaque transparency and incomplete disclosure.

Numerous instances of failure have resulted from poor governance structures, lack of risk management

Banks in Nigeria are known for making illegal charges on customer accounts. Poor GRC practices are not limited to the Banking industry; other notable mentions include the airline industry and the Oil, Gas and Energy industry, among others.



In Nigeria, organisations often face challenges related to Governance, Risk, and Compliance (GRC) management when they manage them at the departmental, operational, or functional level instead of adopting an integrated approach offered by a GRC technological solution that looks at the problem holistically.

The fragmented approach means that a business lacks a bird's eye view of the organisation's issues and limits its ability to streamline its governance, risk and compliance processes.

Poor GRC practices in Nigeria can have severe negative consequences, including legal and regulatory issues, reputational

damage, financial losses, operational disruptions, and business continuity risks. Organisations in Nigeria must prioritise effective GRC practices to mitigate these risks and ensure long-term success.

One cannot overstate the consequences of poor GRC practices in Nigeria. Apart from the obvious legal and regulatory issues that could arise, other negative consequences could damage the reputation of businesses and lead to long-term financial losses.

Poor governance structures could lead to a lack of accountability, fostering an environment of corruption and fraud. An atmosphere of corruption and fraud could result in losing investor

confidence and deter potential investors from doing business in Nigeria.

Additionally, poor risk management could result in operational disruptions that could have a ripple effect across various industries.

For instance, poor risk management could lead gas industry, resulting in environmental damage and loss of revenue for the companies involved. Similarly, poor compliance practices could lead to a breach of customers' trust and could damage a company's reputation irreparably.

Organisations in Nigeria need to prioritise effective GRC practices to mitigate these risks. This means adopting an integrated approach that looks at the problem holistically, rather than managing GRC at a departmental or functional level. Businesses could employ a GRC technological solution to streamline GRC processes and gain a bird's eye view of potential issues. This would enable them to proactively address these issues before they escalate into significant problems.

Overall, it is essential for Nigerian businesses to realise the importance of effective GRC practices and to take steps to implement them. This would not only ensure long-term success but would also help to create a more stable and prosperous business environment in Nigeria.

# PENGASSAN ZONAL LAGOS BRANCH MEETS NETCO MANAGEMENT TO FOSTER HEALTHY WORKING RELATIONSHIP

AS NETCO MD TARGETS IMPROVE HUMAN CAPACITY DEVELOPMENT FOR STAFF

By Chinyere Azubuike



The Petroleum and Natural Gas Senior Staff Association of Nigeria (PENGASSAN) on Monday 20th February 2023, met with the newly constituted Management team of the NNPC Engineering and Technical Company (NETCO) at the company's corporate office in Lagos.

The meeting which was targeted at strengthening ties, improve welfare conditions of workers, also focused on the Human Capacity Development of the entire NETCO's work force. The Managing Director of NETCO Aminu G. Umar

stressed the need for Training and Development for staff, while informing that capacity building is a Key Performance Index for NETCO management. He stated that Management will aim at designing trainings that will align with the job and improve capability in delivering value for NETCO as he called on the PENGASSAN Union Lagos branch to also contribute in the capacity development of members.

He said" Trainings are design to create value for the company, and not a vacation extension,

trainings are supposed to be in tandem with the job to improve capability in delivering value for NETCO. The input from Union is key, every Training should have a value it is bringing to the fore."

PENGASSAN Zonal Chairman, Lagos branch, Comrade Eyam Abang in his response appealed to management to consider Negotiation training for members before proceeding to Negotiation, while harping that Negotiation is one of the factor, as Negotiation Training encompasses the expectation in welfare benefit and bringing businesses

He explained that this will help members to understand better the Negotiation concept which he highlighted will be three possible outcomes.

He stated, "there are three way expectations, 'it is either you have it upward, you lowered it, or you can maintain status quo. it is only a well trained staff that can carry out a 'frontier exploration' on behalf of management.

As the new face of Nigeria, NNPC must not only dominate the African market, but also show influence and visibility. Union has set a task of evaluating itself every quarter on what they are delivering as their Key Performance Index (KPI) to management as their contribution for the P&M, NETCO should also make profit from Union initiative and this can be possible when people realise their roles and responsibilities."

Comrade Abang traced Union working relationship with NETCO management to the time of erstwhile NETCO Managing Director, Engr. Usman Baba, as he assured that Union will give even more support to the present NETCO management since the task ahead will be more demanding.

The Zonal Chairman concluded by saying that as much as possible Union will eliminate industrial congress and industrial issues as he urged management to be free to consult Union when they encounter challenges.

NETCO Chief Operating Officer, (COO) Engr. Abdullahi A. Yuguda in his statement reiterated management unflinching support and appreciated Union members for their patience even in times of adversity, he assured that management are doing their best especially as regard staff welfare.

The NETCO COO called on



R-L: PENGASSAN Zonal Chairman, Lagos Branch, Comrade Eyam Abang; Chapter Chairman NETCO PENGASSAN Engr. Nuhu Obaje and

Union members to have trust and confidence in management again as they are making effort to resolve all pending issues.

Chapter Chairman NETCO PENGASSAN Engr. Nuhu Obaje thanked the COO for his commitment and effort in trying to see to the end of pending issues that concerns union members.

Comrade Obaje further commended Manager Human Capital Management (MHCM), Mrs. Lillian Nse Afu for her involvement and intervention in Union

matters, while hinting that she is the first point of call on issues relating to NETCO's work force.

NETCO Manager Human Capital Management (MHCM), Mrs. Lillian Nse Afu Leo in her remark, appreciated PENGASSAN Zonal Lagos branch for desire and commitment to work and support Management,

she stated that Union should not have doubt on management commitment and support as their 'doors' are always open for consultation.

Mrs. Afu hinted the Zonal Chairman that Negotiation will commence after due consultation with NETCO's Managing Director.



# AVOIDING COMPLACENCY IN THE WORKPLACE

Marilyn C. Elechi

One of the biggest safety issues facing businesses today is the danger of complacency in the workplace. Another term for this phenomenon is risk normalization. Over time, even the best workers become accustomed to doing tasks a “certain way.” This type of lackadaisical attitude can lead to lost productivity, lost efficiency, and even accidents.

That’s right – complacency on the job have serious consequences. Most workers don’t even realize that they’ve become complacent until it’s too late and they are involved in a near miss or even an accident.

How does NETCO try to avoid risk normalization in the workplace? Through its strong safety culture and regularly scheduled safety awareness activities.

Let’s break it down.

## 1. Promote a Company-wide Safety Culture :

When employees can rally around a common goal or purpose, they will have an emotional investment in the work they do. NETCO has a strong safety culture that is regularly mentioned and reinforced through rewards and incentives. As such, staff are safety conscious in their job activities and even in their personal activities. One example of NETCO’s safety culture is the commencement of every meeting (virtual and physical) with a safety brief or a safety moment. This encourages staff to bring up new safety topics, and openly discuss safety concerns. In addition, employees are encouraged to always be on the alert for safety risks and hazards and report them on the NNPC MySafety platform or via email to [hseq@netco.com.ng](mailto:hseq@netco.com.ng).

## 2. Lift Free Day

Twice a year NETCO carries out the Lift Free

Day to remind staff of the importance of physical activity. Constant use of the elevator, combined with our mostly sedentary workstyle, can lead to complacency or neglect of our physical health. On Lift Free Days, staff refrain from using the elevator, except on health grounds. Blood pressure readings are done at the point of entry, and each staff is given a bag of fresh fruits and water to promote healthy eating and proper hydration in addition to increased physical activity. Staff are encouraged to carry on this healthy behavior on all other days of the year, and not just on Lift Free Day.

## 3. Drills

Another method of ensuring staff do not slip up in their safety responsibilities is through drills, which are unannounced emergency scenarios designed to prepare people for an emergency. Drills are a way to ensure the emergency response plans of the company are effective and all involved are



well-versed in their responsibilities. As emergency drills are unexpected, staff cannot afford to be complacent in their roles and must be up to date with the contents of the company's emergency response plans. Emergency evacuation drills are routinely carried out in NETCO for scenarios such as fire, security breaches, medical emergencies, flood, etc.

**4. Toolbox Talks**

According to the "forgetting curve" phenomenon, 90%

of training information is forgotten within the first week. That means employees unfortunately forget most of their safety training and stop doing it. It's just science, and it even happens to the best workers. To combat this, NETCO uses Toolbox Talks to keep everyone informed and up to date.

Toolbox Talks are informal meetings held at a pre-determined schedule and provide a brief overview of a safety topic followed by an open forum. It is very helpful

in refreshing staff safety training – leading to less complacency – and it allows supervisors and managers to gauge morale of the team and keep tabs on safety issues and other work issues that come up in the workplace. NETCO's toolbox talks come in many forms. Regular meetings/talks are held with subcontractors, non-project staff, as well as Management. On Projects, HSE Engineers carry out regular Safety meetings which often involve the clients. It's a win-win for all parties involved.



*CONT'D FROM PAGE 28*

The Executive Director of Business Development, Daisy Wari, wrapped up the session by thanking everyone for their contributions and questions. She emphasised that the management team will take note of all the concerns raised by the staff and will work towards addressing them.

She also encouraged everyone to remain focused on the company's objectives and goals and continue working together to achieve them.

In conclusion, the town hall meeting was a successful interactive session between the Board, Management and Staff of NETCO.

It allowed staff to express their concerns and ask questions about the company's plans and for the

Board and Management to provide insights and answers.

The meeting highlighted the company's commitment to becoming a full-fledged Engineering, Procurement, and Construction Project Management organisation with a mission to broaden its horizons and become a profitable and growth-oriented company.

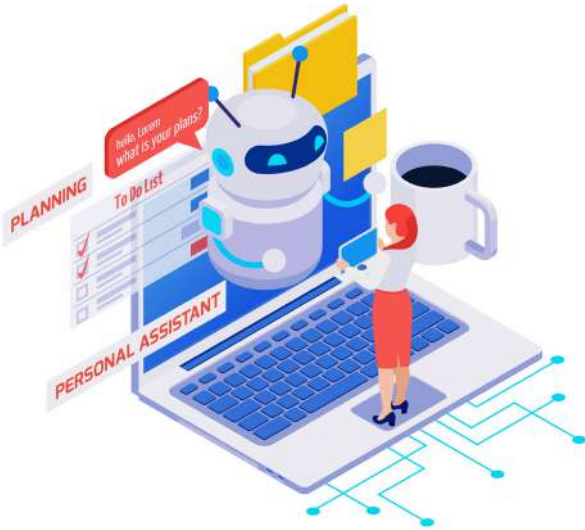
The Board Chairman, Engr. Adeyemi Adetunji emphasised the need for staff to prepare for the challenges ahead and contribute to achieving the company's objectives.

The concerns raised by the staff, including salary enhancements, staff welfare, workplace discrimination, career growth, staff training, and project engagement, were duly

noted by the management team, who promised to address them accordingly. Overall, the town hall meeting was a positive step towards fostering better communication and collaboration between the Board, Management, and Staff of NETCO and achieving the company's objectives of becoming a leading player in the Engineering, Procurement, and Construction Project Management industry.

# NETCO IN PIA TIMES: A CASE FOR WORK PLACE AUTOMATION OF NETCO PROCESSES AND OPTIMIZATION

By Adeuga Abraham



Nigerian National petroleum corporation (NNPC) Recently changed from a public liability company to a limited liability company in light of the recently passed petroleum industry act (PIA) and this has brought a lot of focus to profitability and reduction of wastage in processes, NNPC National Engineering and Technical Company LTD is not left out in this drive for profitability as business will no longer be run as business as usual, hence the case for optimization and automation.

What is Automation? The dictionary defines automation as “the technique of making an apparatus, a process, or a system operate automatically.” We define automation as “the creation and application of technology to monitor and control the production and delivery of products and services.”

What is workplace automation? The answer can help companies automate repetitive business processes and increase

efficiency. Workplace automation refers to using systems to perform predictable and repetitive tasks without direct human input.

This enables companies to simplify tasks and provide a better experience for their employees. It often refers to companies using technology to perform workflows, such as organizing e-mails, generating sales leads, reducing paperwork, and managing data.

What is Optimization? optimization refers to the act or process of making something as good as it can be. In the 21st century, it has seen much use in technical contexts having to do with attaining the best possible functionality, as in “network optimization” and “search engine optimization” (SEO).

Like the words optimum and optimism (which refer, respectively, to the amount or degree of something that is best or most effective, and to a feeling or belief that good things will happen in the future), optimize and optimization derive from Latin optimus, meaning “best.”

Automation and optimization goes hand in hand first you automate processes then you optimize, without automation most of our processes can’t be optimized, what processes can NETCO automate? what are the benefits of automation to NETCO?

How will automation drive growth and cost optimization in NETCO? what are the cost implications of optimization and automation? will automation lead to loss of jobs? all this questions and more shall be looked into in the next paragraph.

## What processes can NETCO automate?

The following are some common workplace automation examples that NETCO can adopt:

### Marketing automation:

To deliver an improved customer experience, NETCO can implement automation in their marketing strategies. Marketing automation is a process that enables companies to provide highly personalized and relevant experiences to customers. With workplace automation, NETCO can reduce the number of repetitive marketing tasks, such as sending e-mails and updating editorial content for various social media platforms. They can also use software that enables them to send messages in response to certain actions that a customer performs.

### Human resource automation:

Human resources (HR) is a department that deals with multiple administrative tasks that a business can automate. Organizations usually automate the tasks that HR performs to make them more efficient. Examples of tasks that an HR department can automate are as follows:

- Handling staff training requests
- Managing payrolls
- Reimbursing expenses
- Managing holiday requests, timesheets, and records.
- Onboarding and off boarding
- Recording performance reviews
- Conducting recruitment processes
- Recording employee data

Various automation software programs enable an HR department to sort through job applications according to their content. HR professionals can then focus on reducing employee turnover by improving a company's culture and creating career development programs. Accounts payable automation An accounts payable software system helps businesses automate finance processes, reduce accounting errors, and improve invoice approvals. This workplace automation typically guarantees immediate transactions to a company's contractor and supplier. It also enables a company to track its orders

and invoices accurately and to approve payments quickly, improving cash flow. Supply chain automation

Automation of supply chain processes like requesting for bid, bid submission, bidding process, approval processes can lead to reduction in paper waste, more man hour for other activities and work optimization. Sales/Business development automation Using software and algorithms to automate sales activities such as contact management and lead generation helps a sales or business development team improve its efficiency. The following are examples of automation in sales:

- **Processing orders:** Upselling queries, managing stock
- **Invoicing:** Communicating with clients about pricing and payment and checking credits
- **Managing inventory:** Returning notifications and delivery, dispatch, refund, and payment acknowledgments
- **Searching leads:** Sending e-mail reminders and finding leads online

### IT automation

IT automation is the use of triggers and actions to streamline IT processes end-to-end. Using incident management as an example, a trigger can be when an employee files a ticket, while an action can include assigning that ticket to the appropriate employee.

### Examples of IT automation

#### 1. Help anyone request access to applications independently: here is how it works

1. An employee goes into a communications platform (in this case, Slack) and requests access to a specific application.

2. Workbot (the enterprise platform bot) instantly creates a ticket in Service Now that reflects this request.

3. IT then receives the request in a Slack channel. They can choose to accept or reject the request within Slack.

4. The requester is then notified within Slack on their status.

## 2. Answer employees' questions quickly and in a way that's scalable.

1. An employee asks a question to Knowledge Bot (a customized version of WorkBot) in Slack.

2. Knowledge Bot uses natural language processing to understand the question, and then searches through information from your existing knowledge base to identify the answer (this is all done in real time).

3. If Knowledge Bot finds the answer, it automatically serves it to the requestor. If it doesn't, or if the employee says the answer doesn't help, the bot files a ticket in ServiceNow, prompting your team to respond to the requestor.

## 3. Escalate issues with the click of a button

In many cases, incidents can't be resolved by the team they're initially assigned to. To account for this, and to allow the appropriate stakeholders to become aware of and begin working on the issue, you can build an escalation workflow that leverages an IT service desk chatbot.

## 4 Provide new hires with the equipment they need by day 1

A: Once a new hire notice gets sent by your HRIS, the workflow gets triggered.

B. The hiring manager receives a message from a chatbot in their business comms platform that asks them to select the devices the incoming employee needs.

C. Once the selections get made, an asset manager gets notified by the chatbot. From there, the asset manager can fulfill the device requests, all but ensuring that the new

hire has what they need from the get-go.

## Benefits of workplace automation to NETCO:

Workplace automation can help NETCO eliminate or reduce human error and remain competitive. The following are some other notable benefits of workplace automation

### Increases employee productivity

Reducing the number of manual tasks that employees perform daily gives them more time to focus on value-added work that only they can complete. This can improve innovation by enabling team members to use their creativity and critical thinking skills to perform mentally demanding tasks. It can also increase employee satisfaction because it allows them to spend more time on tasks that are more enjoyable and engaging.

### Reduces human error

Workplace automation enables companies to reduce the number of human errors that occur when employees perform manual tasks such as invoicing and data entry. Machines can easily perform simple tasks, such as entering customers' e-mail addresses



and conducting financial projects without distractions. Employees can then quickly access data that has fewer errors and avoid miscommunication or work duplication.

**Saves money and time**

Companies that use and maintain a single system to handle tasks automatically may experience a better return on investment (ROI).

This is because workplace automation enables them to perform various tasks without employing more individuals. For example, they can use this process to send automated e-mail replies to multiple customers at once.

ROI is a metric that businesses use to understand the profitability of their investments. Automation can also reduce the amount that a company spends on paper by implementing electronic signatures

**Increases work safety**

Automation in the workplace can often create a safe and comfortable environment for employees. The process helps companies to reduce the risk of injury at an operational stage by removing employees from dangerous work procedures. These automated systems often respond faster to emergencies through real-time monitoring.

Many companies use

automation software to update their safety protocols and create a plan of action in the event of an emergency.

**Improves work consistency**

When a company automates tasks such as tracking inventory and generating sales leads to run at set intervals, it can avoid human delays that affect consistency. This means that employees' sick days, unforeseen circumstances, and heavy workloads are less likely to disrupt business functions. Workplace automation enables businesses to anticipate any challenges and generate solutions before they occur.

From this benefits and many more its clear work place automation will drive growth and cost optimization cause less time will be spent on repetitive tasks and will allow the staffs do more specialized and productive tasks, it reduce waste and yields more profits for the organization, optimization will drive growth by helping employees become more used to IT tools and self-help tools, software's and other tools to improve their productivity and boost performance,

**What are the cost implications of optimization:**

everything good cost money like they say in local parlance "soup wey sweet na

money kill am," most of this software's will cost money to acquire and money to train staffs in their usage and they can also be developed internally to suit the need of NETCO, but it will still cost us something which in the long run will be little compared to the outputs and cost saved over time, compared to doing nothing and sticking to what we already used to, we can't afford to be stuck in the past when technology is daily evolving to solve our daily issues and make life easier .

**Will automation lead to loss of jobs ?**

Automation in NETCO will not necessarily lead to loss of jobs as it will only help speed up processes and tasks and aid the optimization and measurement of effectiveness of current processes , what automation will do for NETCO is to reduce the need for more man power so there will be less over head as the jobs will be done by software's and BOTs , which will further reduce expenditure , but in all automation and optimization are necessary in this PIA times to lunch NETCO into the next level and further increase productivity and profitability without job loss .

# INFORMATION SECURITY AND ITS IMPORTANCE TO THE NNPC ENGINEERING AND TECHNICAL COMPANY LIMITED.

By Taiwo Akinola

Information Security is crucial to the NNPC Engineering and Technical Company of Nigeria Limited (NETCO), a subsidiary of the Nigerian National Petroleum Company Limited (NNPC Limited) that provides engineering, procurement, construction, and project management services to the Oil, Gas and Energy industry in Nigeria.

As an organisation that handles sensitive data and operates in a high-risk environment, NETCO needs robust information security measures to protect its operations. NETCO's operations involve handling critical and sensitive oil and gas exploration, production, and refining data. This data includes engineering designs, project specifications, financial data,

and customer information. Leakage or loss of this data can lead to significant financial losses, reputational damage, and even safety risks. Therefore, protecting this data from unauthorised access, modification, or loss is paramount.

One of the significant threats to NETCO's information security is cyber-attacks. Cyber-attacks have become increasingly sophisticated, and their frequency and intensity have risen. The oil, gas and energy industry is particularly vulnerable to cyber-attacks due to its complex and interconnected systems and the high value of the data it handles. A successful cyber-attack on NETCO's operations could lead to severe consequences,

such as production disruption, equipment damage, and financial loss.

NETCO can adopt several measures to ensure information security. Firstly, the company can implement access control policies that authorise only designated personnel to access sensitive information. Strong passwords, biometric authentication, and role-based access controls can accomplish this.

Secondly, NETCO can monitor and detect suspicious activities on its network by deploying intrusion detection and prevention systems. This can enable the company to identify and respond to cyber-attacks before they cause significant damage.

Additionally, NETCO can identify vulnerabilities and weaknesses in its systems and infrastructure by conducting regular security assessments. NETCO can use penetration testing, vulnerability scanning, and security audits to achieve this. Based on the findings of these assessments, NETCO can implement remediation measures to address the identified risks.

Currently, NETCO has three layers of security on its network, systems and operating systems.



Windows Defender is the first level of protection on the operating system of each computer system in NETCO. In contrast, the second level protects the device, which is protected using McAfee Endpoint Security. At the same time, Sophos firewall protection covers the third layer, which is the network itself.

The IT department manages each of these, but security is everyone's duty; we are all responsible for the security of data being worked on, ensuring sensitive information isn't leaked. We are to ensure we don't reply or click on clickbait, phishing emails or insert any flash drive USB drive or external

drive into NNPC-NETCO systems, as this can be used to compromise data, cause a data breach or a cyber-attack would lead to catastrophic consequences.

In conclusion, information security is of utmost importance to NETCO, given the sensitive and critical data it handles and its operations in a high-risk environment. By implementing robust information security measures, such as access control policies, intrusion detection and prevention systems, and regular security assessments, NETCO can protect its operations and ensure its information confidentiality, integrity, and availability.

**CONT'D FROM PAGE 15**

Engr. Sylvia Medinus thank God for being part of the top 3 shortlisted, She said" I give thanks to God for the opportunity of being among the top 3 winners shortlisted for the quiz competition, the essence of the competition is to create awareness Safety Awareness which is beyond the Engineering or Manufacturing industry as we strive to maintain Go Zero Incident in everything we do. Though I will not be part of the team to represent NETCO in Abuja, but I am confident

our representative will do well in the competition. We should also report incident and point out incident so that people can learn from them, if you look at the quiz questions they are day to day incident that we may encounter, regardless of our department or industry safety comes first before every other thing. Meanwhile, there was a special recognition for Dauda Oyewumi of the Engineering department was named the HSEQ reporter of the

year, Engr. Onyewumi had the most reported safety incident in the HSEQ portal and he was applauded by the HSEQ manager for his safety consciousness as staff were enjoined to emulate his desire to have a safe work environment.

The winner Engr. Shuaibu, Abdullah and second placed Engr. Olagunji will represent NETCO in the Company-wide quiz competition scheduled to take place at the NNPC Amphitheater, Abuja, on March 21 - 22, 2023.

**CONT'D FROM PAGE 12**

Daisy Wari, the Executive Director, Business Services, offered heartfelt gratitude to all attendees for their active participation, significant ideas, and thought-provoking questions as the town hall meeting came to a close.

She underlined the management team's commitment to resolving the employees' issues as soon as possible and informed them that management had heard their opinions.

This landmark town hall meeting underscored NETCO's unwavering dedication


to fostering effective communication, collaboration, and mutual growth among the Board, Management, and Staff.

It demonstrated NETCO's ambitions to lead the Engineering, Procurement, and Construction Project Management sector.

NETCO sets out on an exciting path towards a brighter future, propelled by profitability, vitality, and continuous expansion, with the concerns voiced by the committed staff carefully noted.




# NETCO INTERN'S CORNER



**OLUWALE SAMUEL ANUOLUWAPO**  
UNIVERSITY OF LAGOS  
MECHANICAL ENGINEERING DEPARTMENT


My duration as an intern at Netco afforded me a multifaceted view of the oil and gas sector, providing me with a comprehensive grasp of the diverse roles and responsibilities inherent in the organization. This exposure enabled me to ascertain a particular domain within the industry that captivates my attention, thereby facilitating my career trajectory.

Moreover, being associated with a prestigious entity such as Netco, I had the privilege of augmenting my professional network through meaningful interactions with seasoned practitioners in the field. In essence, the opportunity to gain practical knowledge from industry experts on large-scale projects and cooperative efforts with specialized teams is a privilege that conventional academic settings cannot replicate, and thus, I am deeply grateful for it.



**IFEOLUWA AJAYI**  
BABCOCK UNIVERISTY  
INFORMATION TECHNOLOGY DEPARTMENT

As a computer science student, working in NETCO under the IT department has really sharpened my skills in the area of evaluating data and relating with personnel in gathering needed information for a given task, troubleshooting and problem solving. I have developed skills in the use of Microsoft Excel ,IT support and I have also taken two IT (cybersecurity)certification courses, which has enabled me in carrying out certain tasks and completing them with ease.



**EDUN BOLUWATIFE OLUWATUNMISE**  
FEDERAL POLYTECHNIC ILARO  
FINANCE & ACCOUNT DEPARTMENT


As an intern in FAD, I have had the opportunities to work with some Top Management staffs and other staffs in NETCO and this has given me the insight into the practical work ethics.

I learnt how to use SAP and also got better in using EXCEL,SAP Means SYSTEM ANALYSIS PROGRAM DEVELOPMENT,there are different modules of SAP which are Finance and Controlling(FICO), Human Resource(HR),Sales Distribution(SD),E. T. C. My focus is on Finance and Controlling(FICO) SAP FICO allows an organization to store a complete version of their financial transactions data , where I got to learn about Financial Accounting Global Setting (Maintaining of fiscal year,posting periods, defining documents types)

Product cost controlling (Calculating cost that occurs during the manufacture of a product or provision of a service)

I have also discovered that NETCO focuses on instilling prosper morals and values as much as they put efficient skills into all their staffs.

After this One year internship, I will be able to say I have acquired knowledge of work ethics and interactions and it will aid me in my career journey.



**MAYAKI DANIEL**  
CONVENANT UNIVERSITY  
PROCESS ENGINEERING DEPARTMENT


As a chemical engineering student working in netco has provided me with valuable learning experiences, exposure to industry best practices, and the opportunity to apply my class room knowledge to real-world projects. Internship with NETCo has honed my aspen hysys and autocad skills which are critical tools in the industry

Furthermore I've gained practical experiences through my participation in research projects and assignments which have honed my communication, teamwork,leadership and time management skills which are essential for success in a work environment.



**KEHINDE OKUNOLA**  
FEDERAL POLYTECHNIC ILARO  
MANAGING DIRECTOR'S OFFICE

As an intern in the Managing Directors office I had the opportunity to work alongside brilliant minds which my view on certain things. Working/training in NETCO so far has taught me workplace values, ethics ,communication and interpersonal relationship



**TAIWO OKUNOLA**  
FEDERAL POLYTECHNIC ILARO  
FINANCE & ACCOUNT DEPARTMENT

As an intern in FAD, it enables me bridge the group between the theories learnt in school and the practical aspect in the field of work.

I worked in project accounting, where I was able to learn


1. Analyzing of payment paid by client
2. Processing of vendor claims related to project
3. Clearing of vendor account
4. Processing of revenue invoice



**OBI VICTOR CHINONSO**  
BABCOCK UNIVERISTY  
INFORMATION TECHNOLOGY DEPARTMENT

As an intern in NETCO I have had the opportunity to work with my IT department staff in NETCO, this has given be insight into the reality of life of office life.

It have developed skills in different aspects which has enabled me in carrying out certain tasks and completing them. I will be able to say I have acquired knowledge of office life and interactions and this will aid me in my career journey



**OLUWAFUNMILAYO ADEOTI**  
UNIVERSITY OF LAGOS  
PROCESS ENGINEERING DEPARTMENT

As an intern in the process engineering department, I have been able to develop my skills and expertise in understanding basic process control systems amongst many others.

Also, I have been to understand how to relate in a work environment and communicate effectively. This has built me up and will aid in my career journey.




**SULAIMON BARAKAT OLUWAPELUMI**  
FEDERAL POLYTECHNIC ILARO  
EXECUTIVE DIRECTOR BUSINESS OFFICE

As a Business Administration and Management Student Working in NETCO Under The Executive Director Business Service Office (EDBS) has grant me real world experience and knowledge that develop what I learned in the classroom and Provide golden opportunity to Collaborate with Staff and Top Management Staff in NETCO Professionally and Learn the way of a Professional work Settings.

NETCO has indeed enhance my Presentation Communication skills and provides practical knowledge of managerial functions in a business settings.in Conclusion,

I also gain exposure to the challenges of work environment, insight of how organization an operates and what's it takes to succeed, which shows that I been motivated to acquire experience outside of just Tertiary institution.



**STEPHANIE OTOABASI-AKPAN**  
FUTA  
PROCESS ENGINEERING DEPARTMENT

I got the chance to communicate, work, and develop as an intern in an office environment. I have gained practical technical knowledge and critical interpersonal skills that will affect how I manage situations as my career progresses.



## CORPORATE INFORMATION

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- 
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NETCO is a wholly-owned subsidiary of Nigerian National Petroleum Company Limited established in February 1988 to provide an efficient and reliable engineering base for the NNPC Group and the entire oil and gas industry. Its services however, extend to the rest of the economy and beyond. NETCO is certified to ISO 9001, ISO 14001 & ISO 45001 International Standard. NETCO provides the following:

- Feasibility Studies
- Conceptual Design
- Basic & Detailed Engineering Design
- Procurement
- Construction Supervision
- Project Management
- EPC Collaborations
- Quality Assurance & Quality Control
- Operations & Maintenance
- Projects Cost Estimating/Benchmarking
- Health, Safety & Environmental Management/Study
- Training

EXPLORE  
OUR WORLD  
OF ENGINEERING

### Our Vision

To be a world-class Engineering, Procurement and Construction Management Company in the Oil, Gas & Energy industry and beyond

### Our Mission

NETCO is committed to providing continuous excellent services in the Oil, Gas & Energy Industry

