

Q2 2017

CONTENT *Local* Digest

NCDMB stakeholder magazine



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Long-term sustainable growth of the oil and gas industry is dependent on accurate data



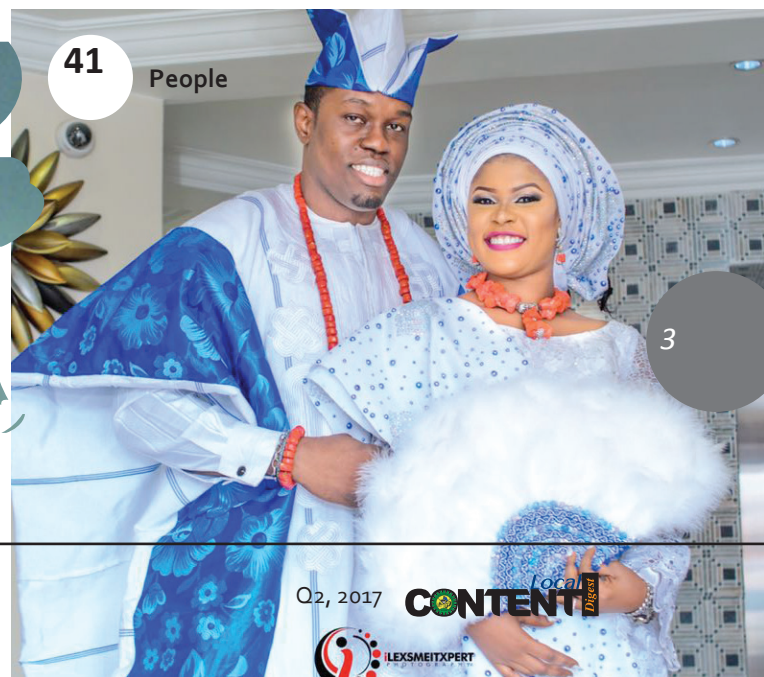
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Moving Nigerian Content to the next level

As part of my activities since assumption of office eight months ago, I have criss-crossed the nooks and crannies of Nigeria on facility visits together with some industry stakeholders. During these visits, I saw world-class fabrication yards, plants, factories and training facilities of varying sizes and sophistication. These tours were opportunities to know, firsthand, the state of the industry and, in addition, gather data. From what I have seen, there is no oil and gas input we cannot deliver in-country.

Indeed, a huge pool of local supply chain capacity and capability has been built in Nigerian oil and gas industry within the last seven years. This is a testament that the Local Content law is yielding desirable fruits. Nigerian content has grown from a paltry five per cent value retention in 2010 to 26 per cent in 2017. But that's not where we want to be!

Our goal in the next 10 years is to push for a phenomenal growth up from the current 26 per cent to 70 per cent value retention by 2027. To achieve this target, we have to be more innovative to localise knowledge and

industry activities, not just to increase local participation, but also to engender long term competitiveness and sustainability, foster sectoral linkages and promote community participation for inclusive economic growth.

We have developed a 10-year Strategic Road Map to guide our journey to the next level. The milestones in the road map are to improve NCDMB's roles in upstream through closer monitoring of indigenous and marginal field operators and to play a more active role in the midstream and downstream sectors.

Clearly, Bonga South West Aparo and Zabazaba are key projects in our line of sight to achieve the new target. Our aim is to surpass the Nigerian Content performance under Egina deep water project. In addition, based on the outcome of the Opportunity Fair we organised last March in Uyo, we hope to see other projects come on stream to catalyse the realisation of our new target. As we often say in the in Board, 'no projects, no local content'. We need these projects - Greenfield or Brownfield - to deepen the local content sustenance and growth.

“There is no oil and gas input we cannot deliver in-country. A huge pool of local supply chain capacity and capability has been built in Nigerian oil and gas industry within the last seven years. This is a testament that the Local Content law is yielding desirable fruits.”

Summit

We intend to enhance the establishment of dry-docking facilities in-country and pursue, actively, the plan to bring, at least, two oil and gas parks on stream before 2027. We will actively pursue the goal to foster linkages with power, ICT, construction, steel, and mines and also push hard to facilitate regional market for Nigerian service companies. We are also making improvements internally to ensure effective service delivery in our determination to reposition the Board for optimal performance.

In the maiden edition of this magazine, I indicated that we will reset NCDMB's strategies and processes by making them smart enough to ensure timely approvals and eliminate service failures. This has already begun.

For instance, ahead of any other government MDA, we pioneered the development and use of Service Level Agreements (SLAs). We signed the first SLA with NLNG in May 2017. We intend to replicate the model with other stakeholders. Hence, we have written to the OPTS members to key in because, going forward, SLAs would be our new template for driving collaboration in the Industry. This is indicative of how far the Board is willing to go to encourage businesses and Nigerian content performance.

Interestingly, our innovative SLAs are in concurrence with and reflect the Federal Government's policy on Ease of Doing Business in Nigeria. Thus, we are energised by the Executive Orders signed by the Acting President, Prof. Yemi Osinbajo, on the Ease of Doing Business and Support for Local Content in all procurements.

Similarly, the fact that the National Assembly has begun the process to extend local content regime to other critical sectors of the economy gives us more

impetus to push on and to move Nigerian Content to the next level.

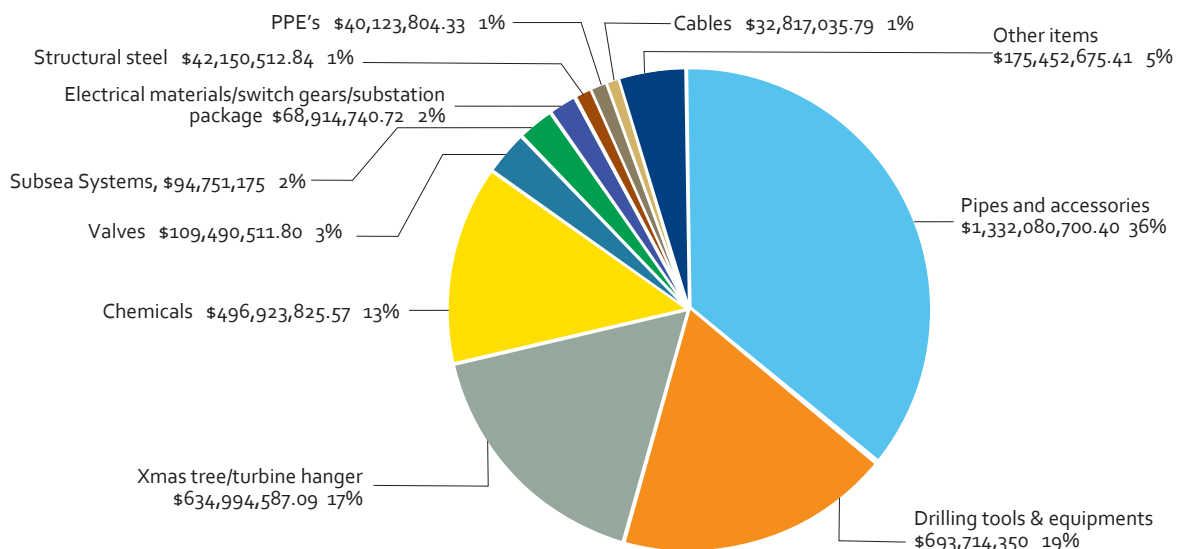
Stakeholders deserve to be: to know where the Board is heading, the steps to get there, as well as our targets and milestones. We will keep deepening the engagement to ensure that there is unity of purpose in achieving the milestones set out in the 10-Year Strategic Road Map.

“Our goal in the next 10 years is to push for growth from the current 26 per cent to 70 per cent value retention by 2027. To achieve this target, we have to be more innovative to localise knowledge and industry activities, engender long term competitiveness and sustainability, foster sectoral linkages and promote community participation for inclusive economic growth.”

“We intend to enhance the establishment of dry-docking facilities in-country and pursue the plan to bring one oil and gas park on stream before 2027. We will foster linkages with power, ICT, construction, steel, and mines and also facilitate regional market for Nigerian service companies.”

Smart Fact

Material Demand Profile Q1-Q4 2016



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Views expressed in this magazine are not necessarily those of the Nigerian Content Development and Monitoring Board, its management and staff.

Editorial

Enriched and reloaded

We are back with the second edition of the *Local Content Digest* magazine. This edition is loaded with richer content and improved production. We received a deluge of accolades on the maiden edition. We promise never to rest on our oars in making successive editions more exciting.

The lead story focuses on efforts by the Board to collate indicative data on upcoming projects, which serves as a plank for strategic planning, increased investor confidence and sustainable development of Nigerian Content. The *Trends* section offers a potpourri of reports on the strides and achievements of various companies, a clear manifestation that *Local Content Digest* caters for the entire industry.

New segments, *Couture* and *Pacesetters*, have been added: the latter featuring the story of beneficiaries of the Board's Human Capacity Development Initiative (HCDI) training programme such as Chukwuma Onyejekwe, a Mechanical Engineer narrating how registering on the NOGICJQS portal helped him and other young applicants secure training and employment opportunities with Saipem.

Couture showcases some of Nigeria's top fashion designers such as Evans Akere, CEO of Vanskere, who are in the vanguard of entrenching local content in the fashion industry. Here, we highlight their jazzy innovations and exemplary strides

to internationalise

Nigerian wears, further enriching our cultural heritage.

The Local Content Digest is wholly funded by advert placements. We thank Saipem, Starzs, Nigerdock, Samsung Heavy Industries and LADOL for their patronage. We implore other active players in the oil and gas sector to also lend us their support by advertising in subsequent editions.

The aforementioned segments lend credence to the growing trend to deepen Nigeria's industrialisation by enhancing the skills and expertise of the country's youthful population.

A bouquet of human interest stories has also been interspaced to spice your reading experience. Some of the stories explore why Bayelsa State indigenes excel in wrestling, the splendour of the Healthy Body Clinic and Resort in Jos, the need to legally document one's Will early in life and a review of books, trending songs and movies. I also find the focus of the HSE segment in this edition to be particularly interesting as it provides tips on energy efficiency.

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We anxiously await your feedback on this fascinating edition to enable us meet your expectations in subsequent editions.

We appreciate your readership...Enjoy!

- Ejiro Dortie

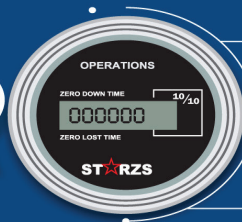




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Trends

Dangote targets Local Content record on refinery project

Dangote Industries Limited plans to set a record with its Local Content achievements on the 650,000 barrels per day petroleum refinery project.

Engr. Joseph Makaju, the Honorary Adviser to the President of Dangote Group, stated this at a meeting with the Nigerian Content Development and Monitoring Board (NCDMB). He said: "There are a number of opportunities for collaboration. We want to partner you and we hope to have a mutually beneficial relationship."

The company pledged to utilise certified Nigerian service companies for the

fabrication of the modules, pipe coating as well as the supply of paints and cables. The two organisations agreed to hold further meetings and tour the project site to examine other Nigerian Content opportunities that can be utilised on the project.

Engr. Simbi Wabote, Executive Secretary of NCDMB, told the Dangote team that the implementation of Nigerian Content Act in the upstream sector of the oil and gas industry had developed huge capacities that should be leveraged for the refinery project. He advised the company to engage oil and gas service companies in Nigeria to verify their

capacities and subsequently contract them, in line with the provisions of the Nigerian Content Act, which mandates patronage of facilities in-country.

On the company's plan to select and train local personnel who will run the refinery, he encouraged the management to pick the trainees from the Nigerian Oil and Gas Industry Joint Qualification System (NOGICJQS), which hosts national database of Nigerians with various competencies. He also recommended the Oil and Gas Trainers Association (OGTAN) to provide some of the trainings the company envisaged.



Buoyancy tank fabricated by Saipem Contracting Nigeria Limited for the Egina project

NCDMB, NLNG sign SLA on timelines, compliance

The NCDMB and the Nigerian Liquefied Natural Gas Company (NLNG) have signed a Service Level Agreement (SLA), committing the parties to timely approvals and compliance with the Nigerian Content Act.

The SLA mandates NLNG to make statutory returns to the NCDMB, particularly Quarterly Job Forecast, Nigerian Content Plan, Bidders List and Nigerian Content Evaluation Criteria, among others, while the Board will respond within agreed timelines.

Engr. Simbi Wabote noted that NLNG's operations were time-sensitive, while the

SLA is intended to ensure that "NLNG is not exposed to violations and NCDMB is not a blocker to the business." He added that the SLA model would be adopted to manage the Board's relationships with international and local operating companies.

He called for greater collaboration between the two organisations and requested for support towards the development of a dry-dock facility in the Niger Delta region to cater for the maintenance of big vessels, including LNG carriers.

Engr. Tony Attah, Managing Director of

NLNG, hailed the Board for the speedy development of the SLA. He described it as an innovative initiative geared towards addressing the company's concerns. The NLNG chief said the company was bound to comply with provisions of the Nigerian Content Act but was pressed by the urgency required in making decisions for its business.

Attah added that the SLA provides an opportunity for consolidating collaboration and delivering NLNG's mission of contributing significantly to the Nigerian economy. He pledged to work with the Board on the development of dry-dock facilities.

Nigerian Agip Exploration takes FID on Zabazaba

Nigerian Agip Exploration Limited (NAE) plans to take the Final Investment Decision (FID) on the Zabazaba Deep Water project. The project is estimated to cost \$13.5 billion. The company projects to award contracts in the second quarter, start execution in the third quarter, spud and achieve first oil in 2020.

NAE began to receive commercial proposals in April 2017. This followed the finalisation of the technical evaluation for the main packages by the NCDMB and NAE. The evaluation sought to maximise local content. The packages

included the Floating, Production, Storage and Offloading (FPSO) units, subsea, installation and rigs.

Engr. Simbi Wabote said the Board fast-tracked its evaluations and approvals on Zabazaba with a view to increasing Nigeria's crude oil production and creating opportunities for the rapid growth and development of Nigerian Content. He praised NAE for its determination to pursue the project, despite the challenges in the market, and urged stakeholders to support the fast-track execution.

Mr. Massimo Insulla, Vice Chairman, NAE, hailed the NCDMB and NAE teams for concluding the technical evaluation at an unprecedented speed. He advised other approving entities to adopt the NCDMB's model while executing their evaluations of tenders and carrying out other processes.

Zabazaba field will be developed initially and the Etan field will follow three years later as a tie back to the Zabazaba FPSO.

Saipem celebrates 50 years in Nigeria

Saipem Contracting Nigeria Limited recently celebrated 50 years of operations in Nigeria. The company commemorated the milestone with the unveiling of a new logo.

At the event in Port Harcourt, Rivers State, Mr. Guido D'Aloisio, Managing Director of the company, said Saipem was strategising for the future, adding: "The environment is competitive. We are always making ground-breaking innovations on new ways of doing things."

Engr. Simbi Wabote hailed Saipem for the size of its fabrication yard and the quality of work being done by Nigerians. He described the facility as world-class.

"This yard directly employs 3,500 persons. Indirectly, that creates about 20,000 jobs within the immediate community and the Niger Delta. We hope to keep this yard busy and increase the number of employment opportunities," Wabote said.

He expressed joy at the confined space welding technology developed

by Saipem on the Egina project. The NCDMB chief described it as a great innovation that should be shared in the oil and gas industry.

He said the Board would organise a knowledge-sharing session with international oil companies (IOCs) and key service companies to enable them share experiences on executing projects as they relate to challenges, costs and innovations, so that companies could learn from one another and save costs on future projects.

Trends

OPTS pledges support for NCDMB

Oil Producers Trade Section (OPTS), the umbrella body of major international and indigenous operating oil companies, has pledged to support the initiatives of the NCDMB.

OPTS made the pledge during a visit by chief executives of its member-companies to Engr. Simbi Wabote at the Board's headquarters in Yenagoa, Bayelsa State capital.

Mr. Osagie Okunbor, OPTS Chairman and Managing Director at Shell Petroleum Development Company (SPDC), congratulated Wabote on his appointment and achievements

since he assumed office. He said: "We appreciate the collaborative approach adopted by the Board, particularly in the reconstitution of the NCDMB/NIMASA committee and organisation of the Nigerian Oil and Gas Opportunities Fair. This is a clear demonstration that the Board is back on the track of progress."

Other CEOs highlighted the collaboration their organisations have enjoyed from NCDMB, pledging their support for the Board's mandate.

Engr. Wabote promised to partner operating companies in resolving challenges they might experience

while executing projects. He reiterated that NCDMB had adopted a 100-day target for completing its aspects of the contracting processes.

According to him, the Board will work with OPTS to develop a common reporting template on Nigerian Content. Engr. Wabote urged the oil industry chiefs to strengthen the Nigerian Content divisions in their establishments and make each head a top management position. He enjoined the CEOs to promote joint industry's capacity development programmes, including exchange programmes.



Petrolog's vessel

Nigerdock rebrands school as it graduates 48 trainees

Nigerdock, a leading engineering, procurement and construction company has rebranded its training outfit with a view to enhancing local capacity and producing competent indigenous workforce for the oil and gas industry.

Ms. Joy Okebalama, the Group Corporate Affairs Director of Jagal, the holding company of Nigerdock, said the new Training and Development Academy would offer internationally accredited qualifications in various disciplines. She said it would also enhance partnerships with relevant public and private sector organisations.

Engr. Ikpomosa Oviasu, General Manager for Capacity Building Division at NCDMB, hailed Nigerdock for championing the development of human capacity, technology transfer and local manufacturing.

Also, 48 trainees graduated from the Nigerdock Academy recently in various skills, such as Project Management, Coating Inspections, Quality Assurance/Quality Control and Fabrication.

The trainings were sponsored by Total Upstream Nigeria Limited in collaboration with Samsung Heavy

Industries Nigeria (SHIN), as part of their Nigerian Content commitments and Human Capital Development (HCD) requirements for the Egina FPSO Project. The programme started in September 2015 and ended in April 2017.

Engr. Iwhiwhu Maurice Kelly, Manager, Human Capacity Development (HCD) at NCDMB, said the HCD programme was successful because many of the beneficiaries had been employed. He urged the promoters to keep track of the trainees and give them first consideration whenever there are job opportunities.

Kachikwu, Dickson woo investors at NCIF 2017

Dr. Emmanuel Ibe Kachikwu, Honourable Minister of State for Petroleum Resources and Governor Seriake Dickson of Bayelsa State were among top officials of governments who canvassed for investors at the Nigerian Content Investment Forum (NCIF) 2017, on the sidelines of the Offshore Technology Conference, (OTC) in Houston, Texas, United States in May.

The NCIF is organised annually by the Board in partnership with *Sweetcrude Reports*. Dr. Kachikwu said the objective of the annual event is to identify

prospective investors who are willing to partner the Nigerian Government and Small and Medium Enterprises (SMEs) to invest in the economy. He stressed the need for collaborations among stakeholders, irrespective of their political or geographical leanings, to industrialise the nation.

Engr. Simbi Wabote said the NCIF connects Original Equipment Manufacturers (OEMs) with Nigerian SMEs for investments in the Nigerian Oil and Gas Parks Scheme (NOGAPS). He hoped the event "will depart from the

norm of just talking, to forging new and fruitful partnerships".

Governor Dickson invited investors to the state, saying the state's industrial park is among the prime projects investors can partner the Government to develop. He expressed support for the modular refineries initiative of the Federal Government and assured investors that the state government would work with the Federal Government and private investors to establish such refineries in the state.



Participants at the Roundtable organised by the NCDMB at Offshore Technology Conference in Houston, Texas.

Ponticelli pioneers fabrication of crude metering skids

Ponticelli Nigeria Limited, a local service company, has fabricated crude oil metering skids, the first in Nigeria.

The company said the equipment, also called Lease Automatic Custody Transfer skids, measures the net volume and quality of liquid hydrocarbons. The

project was executed for the Nigerian Petroleum Development Company (NPDC).

Highlighting the role of the NCDMB in bringing the project to fruition, Ponticelli said: "Previously, projects of this kind had always been fabricated outside the

country. This time, the NCDMB stood firm and insisted that this project must be fabricated in-country."

The company's scope of work involved the preparation of fabrication workshop drawings, procurement of items, yard fabrication, including quality and safety

Trends

management, non-destructive testing, assembly, factory acceptance testing, load out and documentation.

The project achieved high levels of Nigerian Content as 100 per cent of its

fabrication and welding took place at Ponticelli Yard in Port Harcourt. Two hundred and thirteen workers were employed, out of whom 206 were Nigerians.

Besides, 80 per cent of the materials used for the project were procured from Nigerian vendors and suppliers without compromising the quality and market value.

NCDMB gets SERVICOM Unit

The SERVICOM Unit of the NCDMB has been inaugurated by the National SERVICOM Office.

At the event, Mrs. Rose Chukwuonwe, Coordinator of Legal Services at NCDMB, said the Board was conscious of the importance of its assignment in the industry and national economy. She said it was committed to providing timely and efficient services to its stakeholders. The lawyer expressed confidence in the

ability of the Nodal Officer and his team to run the SERVICOM Unit of the Board. The Board, she noted, set up its unit ahead of many sister agencies to show its determination to comply with government regulations. She added that the Board was finalising its SERVICOM charter and working with internal and external stakeholders for enhanced service delivery.

Mrs. E.A. Eneh, Director of SERVICOM

in the Ministry of Petroleum Resources, said the Petroleum sector was always in focus due to years of service failure, coupled with the fact that it is the major source of revenue.

Mr. Afolabi Joseph, representative of the National Coordinator of SERVICOM, stressed that the Board's Unit should be led by a Nodal Officer who must be a management staff, reporting directly to the Executive Secretary.



Cadets selected from the NOGOCJQS embarking on an 18-month Sea Time Training Experience programme organised by Nigerian Agip Exploration and NCDMB.

Contributors: Obinna Ezeobi, Tarilate Teide-Bribena, Teleola Oyeleke, Ifeanyi Nwokemodo, Chinenye Ezuma, Vincent BalaTeku

Sizzling hot, delicious suya

Suya has many epithets. *Hippest street food* best describes this skewered, grilled meat. You wonder: how is suya, which is traditional to the Hausa of Northern Nigeria, available in riverine communities in the Niger Delta?

Suya's ubiquity is a testament to its broad appeal, which defies traditional taste buds! It started as skewered beef marinated

in a mixture of pepper, garlic, ginger, onions, and peanut cake among many other spices. Now, there is chicken suya, ram suya and bushmeat suya! It doesn't stop there.

Entrails have been included in the suya menu. It is not out of place, when at the suya spot, to request for slices of kidney, heart, liver and many other tantalising bits and pieces that add up to a most delicious meal.

Served straight from the grill sizzling hot, suya is enjoyed with a traditional spice (yes, there is a secret spice that only the initiated knows its recipe), with slices of tomato, onions and cabbage.

While the Hausa have mastered the art of preparing the most sizzling suya, you can try your hands on it too. The hardest part is slicing the meat into fillets.



Ingredients:

- Beef
- Skewers
- Suya spice
- Seasoning cubes
- Ground pepper
- Salt
- Vegetable oil
- Charcoal grill



How to prepare the delicacy:

- Wash the beef thoroughly to remove sand and slice into fillets, cut to small sizes
- Prepare marinade by adding two seasoning cubes, pepper, salt and suya spice. Taste to ensure that the marinade tingles the tongue
- Stake the meat on the skewers and sprinkle vegetable oil on it
- By this time, your grill should be red hot. Place the meat on the grill
- Turn every 10-15 minutes. Continuously add the marinade to ensure that the meat is well covered. Also sprinkle the vegetable oil on the meat
- After 40 minutes, your suya is ready

Serve with sliced onions, tomato and cabbage, and of course, with a chilled drink.



Data is **key** to growth of Nigerian Content

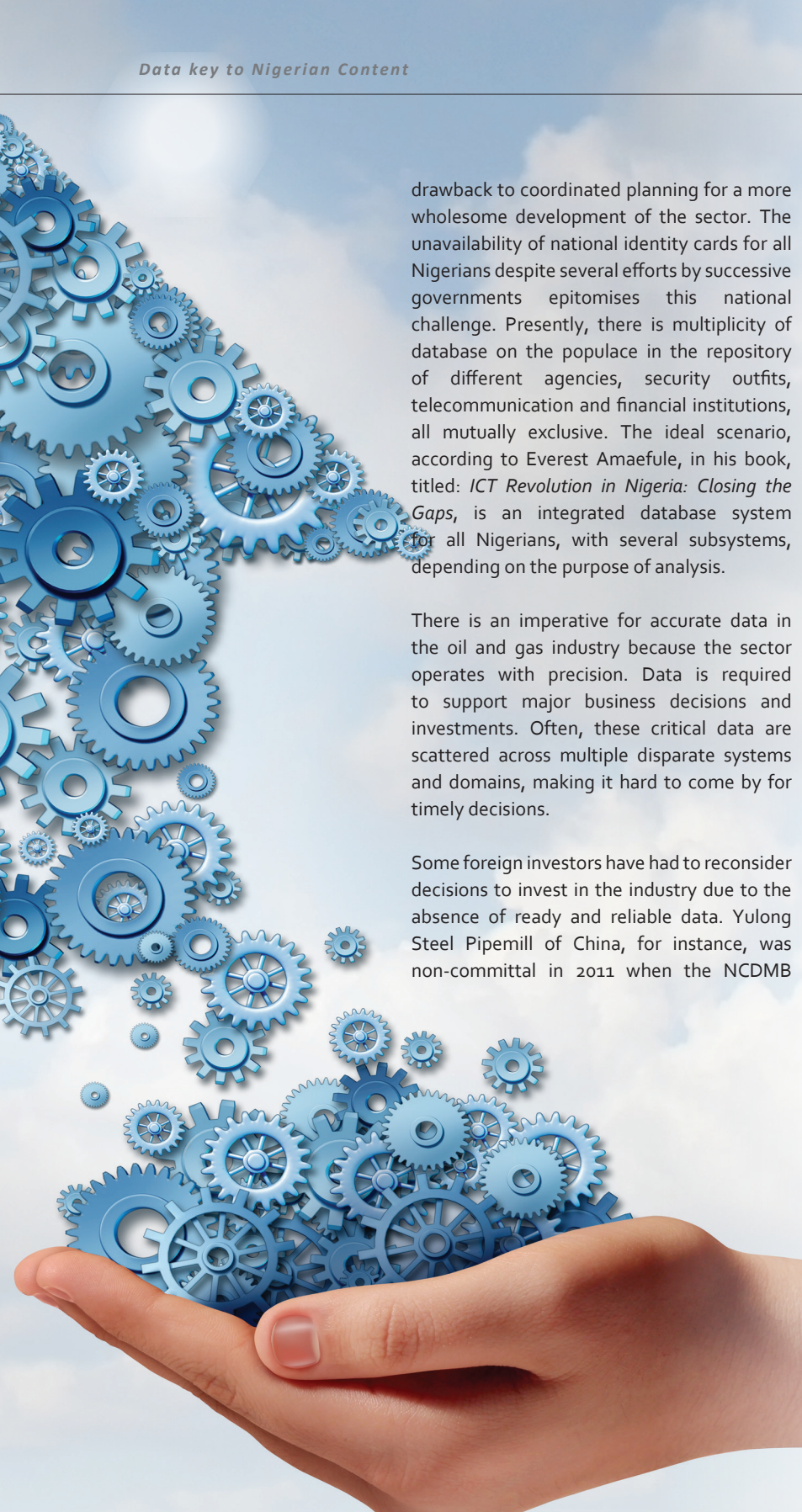
The inability to collate and operate an integrated database over the years impeded investments in the oil and gas sector. Innovative efforts are afoot to redress this with a view to growing Nigerian Content sustainably.

14

On March 29 and 30, 2017, over 1000 oil and gas industry stakeholders gathered in Uyo, Akwa Ibom State capital for the Nigeria Oil and Gas Opportunities Fair (NOGOF). Discussions at the Fair centred on extracting data from upcoming projects. The

impressive attendance underscored the realisation by industry stakeholders that reliable data is a missing link in the efforts to grow Nigerian Content.

Certainly, the dearth of reliable data troubles the wider Nigerian economy. Some analysts consider it the biggest



drawback to coordinated planning for a more wholesome development of the sector. The unavailability of national identity cards for all Nigerians despite several efforts by successive governments epitomises this national challenge. Presently, there is multiplicity of database on the populace in the repository of different agencies, security outfits, telecommunication and financial institutions, all mutually exclusive. The ideal scenario, according to Everest Amaefule, in his book, titled: *ICT Revolution in Nigeria: Closing the Gaps*, is an integrated database system for all Nigerians, with several subsystems, depending on the purpose of analysis.

There is an imperative for accurate data in the oil and gas industry because the sector operates with precision. Data is required to support major business decisions and investments. Often, these critical data are scattered across multiple disparate systems and domains, making it hard to come by for timely decisions.

Some foreign investors have had to reconsider decisions to invest in the industry due to the absence of ready and reliable data. Yulong Steel Pipemill of China, for instance, was non-committal in 2011 when the NCDMB

wooed it to invest in a steel pipemill project at Polaku, Bayelsa State. Few years after Shell Petroleum Development Company (SPDC) and NCDMB collaborated to sponsor a study on the projected annual industry demand for line pipes, Yulong established its steel pipemill at Lekki Free Trade Zone in Lagos. Others, such as Brentex and Technova, have also made progress in their pipemill investment since then.

Between 2011 and 2015, several other investors approached the Board seeking specific demand projections to guide their investments. Often, the Board pointed such prospective investors to the Oil Producers Trade Section (OPTS), the umbrella body of major operating companies in the hope that it collates such data. The only comfort from the Board was the reassurance that it would enforce Section 12 of the Nigerian Content Act, which guarantees first consideration for services provided within the country and goods manufactured in-country.

Engr. Simbi Kesiye Wabote, Executive Secretary of NCDMB, captured the challenge posed by data unavailability in his welcome speech at NOGOF organised by the Board, when he said: "While the Board and industry had made giant strides especially with respect to developing capacity in-country, upgrade of existing facilities and establishment of new facilities, there has not been an alignment of the capacity being established with the demand opportunities available."

In the absence of reliable data to plan, companies and investors acquired assets and facilities to pursue short term opportunities based on trends they observed in the industry. This practice cost Nigeria a huge price. As Wabote noted, investing without guidance "resulted in overcapacity in some areas where in-country facilities scrambled for available work while there was lack of capacity in some other areas resulting in exporting of work scopes abroad with the attendant loss of revenue and jobs".

Dr. Ibe Emmanuel Kachikwu, Minister of State for Petroleum Resources, underscored this point when he said: "One of the greatest problems of the Nigerian space is overcrowding." He added: "There are tonnes of opportunities, but we must succeed in creating business models."

NOGOF, an effort to collate future projects

The event, with the theme: “Advancing Indigenous Participation in the Nigerian Oil and Gas Industry for National Development,” was an innovative effort by the NCDMB to address the challenge of data.

Participants included federal and state legislators, representatives of international and indigenous operating oil companies and regulatory agencies. Others came from international and indigenous service companies, professional bodies and the academia.

Kachikwu was optimistic about the outcome of the initiative: many more service companies will specialise, just as overcrowding in certain fields will be avoided.

Hon. Emmanuel Ekon, the Chairman of House of Representatives Committee on Local Content, admitted that the event was the first time operating companies informed service companies about the projects to expect. For this, service companies must use the opportunities well. He stressed that Nigerian Content

was for companies that have built capacity and are ready to deliver value.

The event showcased opportunities across the oil and gas value chain. International and indigenous operating companies presented their short, medium and long term opportunities. Indigenous and international service companies also presented their capacities to meet the needs of operators.

Industry to get a ‘Yellow Page’ on projects

A key outcome of NOGOF is the commitment to produce a compendium of opportunities from the presentations made by the various companies. The compendium will resemble *Yellow pages*. It will catalogue planned projects by international and local operating companies in the short and medium terms, with their strategy for execution.

The compendium will be updated regularly to help local, indigenous and potential investors prepare their capacities and capabilities to participate in available and upcoming jobs. This way, the country can maximise the domiciliation of industry activities and enhance in-country value retention from planned projects. With the compendium, NCDMB can identify critical facilities that

must be put in place, including those that would require special intervention.

On the human capacity plane, it would also be easy to decipher the skill sets required to deliver on upcoming projects, thereby building requisite capacity ahead of time. In that sense, the Petroleum Technology Development Fund (PTDF), Petroleum Training Institute (PTI), members of the Oil and Gas Trainers Association of Nigeria (OGTAN) and institutions of higher learning can tailor their programmes to meet the needs of the industry. The industry is moving quickly to deliver on its *Yellow pages* as work on the compendium is almost completed.

Service companies are excited by the

plan to develop a compendium of projects. This is because their survival is dependent on jobs coming through the funnel. One of such companies is Samsung Heavy Industry Nigeria (SHIN). The company recently established a multi-million dollar FPSO integration facility on the back of Total Upstream Egina project. It, however, needs new jobs to justify the investment. “We decided to invest in Nigeria for the long term, not just for Egina. It would not make sense to invest for just one project; it needs several projects. It is difficult to recover the investment in a short period. We do not know about next projects, but we need the support of all stakeholders,” said Mr. C.W. Kim, Managing Director, SHIN.



Emmanuel Udom, Governor of Akwa-Ibom State; Dr. Ibe Emmanuel Kachikwu, Minister of State for Petroleum Resources; Engr. Simbi Wabote, Executive Secretary, NCDMB; Senator Bassey Akpan, Chairman, Senate Committee on Gas and Hon. Emmanuel Ekon, Chairman, House of Reps Committee on Local Content, at the 2017 edition of Nigerian Oil and Gas Opportunity Fair.

Existing database on Nigerian Content

It is in recognition of the importance of data that Section 55 of NOGICD Act mandates the Board to establish, maintain and operate a Nigerian Oil and Gas Joint Qualification System (NOGICDJQS) in consultation with industry stakeholders. The electronic platform provides a databank of available capacities in the oil and gas sector, which

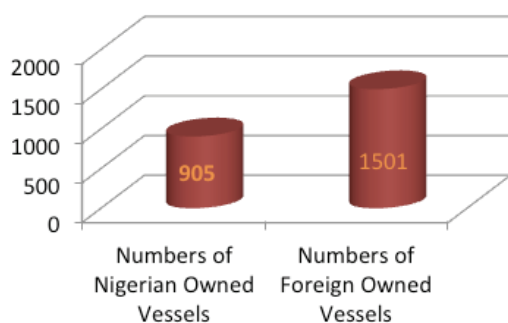
helps in planning projects, contracting and employment. The NOGICDJQS also helps the Board to verify contractors' capacities and capabilities as well as manage Expatriate Quota Utilisation. It also serves as a pool for national skills development.

A key feature of the NOGICDJQS is the categorisation of vendors. Recently,

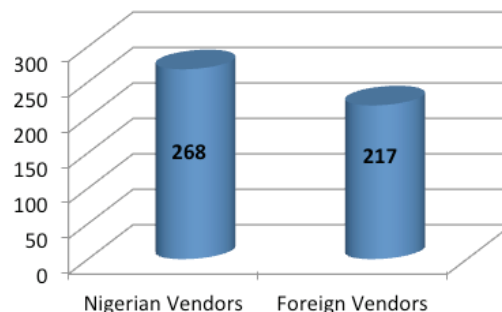
the Board stepped up visits to oil and gas facilities across the country. At Aveon Offshore in Port Harcourt, Rivers State, the Executive Secretary said: "We embark on these visits so that we can categorise fabrication yards into A, B and C. Project promoters, depending on the size of jobs, can choose the class they need."

Marine vessel categorisation report, Q1 2017

Number of Marine Vessels Operating in Nigeria



Total number of Marine Vessels Vendors (Companies)



Registered Users of the Nigerian Oil & Gas Industry Content Joint Qualification System (NOGIC-JQS)

Year	Operators	Service companies	Individuals
Q1 2017	39 registered	6,724 registered / 1,251 active users	89,043 registered
Q4 2016	37 registered	6,532 registered	67,824 registered



(L-R): Mr. Cornelis Zegelaar, MD, Addax; Mr. Nicolas Terraz, MD Total; Mr. Jeff Ewing, MD, Chevron; Mr. Osagie Okunbor, MD, SPDC and Chairman, Oil Producers' Trade Section; Engr. Simbi Wabote; Mr. Paul McGrath, MD ExxonMobil and Mr. Massimo Insulla, MD NAOOC during a courtesy visit by the OPTS leadership to the NCDMB Headquarters in Yenagoa, Bayelsa State.

Importance of data to NCDMB operations

With accurate data on the oil and gas value chain, the Board can successfully make regulations to further the growth of indigenous capacity, as contemplated under Section 41 of the Act. Data is also required to operationalise the objective of Section 7 of the Act, which requires operators to submit a Nigerian Content Plan for all projects. Data is required as well to ensure that first consideration is given to Nigerian operators (S.3), goods and services (S.12), minimum specification of Nigerian content (S.11); to give full and fair opportunity to Nigerians (S.15), for succession planning and expatriate quota approval (ss. 31 -33). It is also required to implement the requirement for quarterly procurement tracking (S.24) and preference for the employment and training of Nigerians (ss.28, 29) in the industry.



Side view of the Egina FPSO undergoing construction at SHI's yard, Geoje, South Korea

History of data in oil and gas

From the early days of the Petroleum industry in Nigeria, the Federal Government recognised the importance of collating and protecting information on oil and gas operations. Thus, it saddled the Department of Petroleum Resources (DPR) with the responsibility of collating, maintaining and managing

records on Nigerian Oil and Gas Industry. To build and maintain an integrated database on oil and gas operations in Nigeria, section 54 of the Petroleum (Drilling and Production) Regulation 1969 prescribes that the licensee shall furnish the Director of DPR with copies of every log or borehole survey and seismograms

as well as copies of all geological records, seismic surveys and seismic maps and such other information that the Director may, in his discretion, request the licensee to submit. The data, with others from the various streams of operations, constitute the national data pool for the Nigerian Oil and Gas Industry.

Construction, Power to benefit from Local Content Law

Hon. Emmanuel Ekon, Chairman, House of Representatives Committee on Local Content, promises passage of the Bill extending the NOGICD Act to other key sectors of the economy.

Nigerian Content Act in other sectors

The first reading has been passed in the House of Rep and we are fine-tuning the Bill. I believe that the Bill would be passed this year so that Nigerians can enjoy the benefits. The Law will cover telecommunications, power, construction, and information communication technology. The infractions we have in the construction sector is much more than what we have in the oil and gas sector and these infractions need to be corrected.

NCDMB headquarters building project

Our expectations were exceeded. The main contractor, Mega Star has done

exceedingly well. I was here when the land was acquired in 2015. This place was bare and within two years, eight floors are already standing. I am inspired to speedily diversify local content into construction so that we can also sell companies like Mega Star. The project is executed 100 per cent by Nigerian companies.

These companies have invested in machines, equipments and personnel, so need to be publicised so that Nigerians, the Federal Government and multinationals can patronise them. Members of the House Committee on Local Content contributed to the success of the project. Because we challenged multinational companies to remit

their one per cent Nigerian Content Fund, as is enshrined in the law. This project is funded from that one per cent contribution, so this is a tribute to all members of the House Committee.

Polaku Pipemill project

The Local Content Act is meant for all Nigerians, so the Board has the right to site any project anywhere in Nigeria. But there are some factors that must be considered when you want to site a factory. One is source of power, which is available at the Polaku site. Another is accessibility to gas, road and river. These are very important for that kind of industry. The Board is also acting in line with its mandate to woo investors. It has to prepare the location before any



National Data Repository

The Petroleum (Drilling and Production) Regulation provides for the establishment of the Nigerian Data Repository (NDR) for the oil and gas industry. The NDR holds a vast array of Oil and Gas Industry data, including those collated from Upstream, Midstream and Downstream operations. Such data includes number, and size of available acreages, acreage map and licence holders, sedimentary structures and characterisation, drilled wells, wellheads, well logs, well reports, core samples, mud data, reports and images, seismic survey, pre-stack meta data, post-stack seismic, field data/tapes, seismic reports, production figures, reserves (proven, possible and unproven), geological maps and reports, geological models and geo-

spatial locations. Others are: monthly production reconciliation figures, rig counts, pipelines, FPSOs, marginal fields, depots, tank farms, jetties, offshore oil platforms and facilities, trading partners and distribution, retail outlets, commercial and residential customers for refined products, among many others.

To ensure sustainable development of the oil and gas industry, all stakeholders are expected to subscribe to an integrated database system. NIPEX and NOGICDJQS need to integrate, or at the very minimum, link their databases for the good of the industry. The compendium of opportunities being developed by the NCDMB is paramount and deserves the support of all stakeholders in the industry.

The compendium will be updated regularly to help local, indigenous and potential investors prepare their capacities and capabilities to participate in available and upcoming jobs. This way, the country can maximise the domiciliation of industry activities and enhance in-country value retention from planned projects.

**Report by Obinna Ezeobi and
Naboth Onyesoh**

investor will be convinced to come. I have been to the site before and it was a swamp. Nobody will put his money in this location unless it is prepared.

I used to live in a small city called Chattanooga in Tennessee, United States. One of the Senators representing Tennessee in the U.S Senate, Senator Bob Coker was once the Mayor of Chattanooga. He had developed an industrial park right inside a forest. When Volkswagen wanted to come into North America and was looking for a site, Chattanooga was one of the cities that were considered because of that industrial park that was built years ago. Volkswagen also looked at another location in Alabama. Eventually, Chattanooga won and today the only Volkswagen facility in the US is sited in that small city and this has attracted massive developments to the city.

Hon. Emmanuel Ekon ▶



Photospeak



House of Reps Committee on Local Content with management of the NCDMB during their recent oversight visit to the Board's headquarters in Yenagoa, Bayelsa State.



Cutting of cake to mark the naming of PetroPride's vessel 'SIEM DAYA 1', in Onne, Rivers State.



Engr. Simbi Wabote with Nigerian delegates to the World Trade Organisation meeting in Geneva, Switzerland on the occasion of Nigeria Trade Policy Review.



Graduands of a Training Programme with NCDMB and Daewoo teams at the close-out ceremony held in Yenagoa, Bayelsa State.



Collaboration on maximising Local Content:

Engr. Simbi Wabote with Alhalji Aliko Dangote President, Dangote Group of Industries, after firming up an agreement on maximising Local Content in the construction of Dangote Refinery project



MD, Nigerian Liquefied Natural Gas Company, Engr. Tony Attah and Engr. Simbi Wabote after signing Service Level Agreement on compliance and timelines.



NCDMB Governing Council: (L – R): Mr. Ibrahim Mairiga, Rep of Ministry of Petroleum Resources; Mr. Mohammed Kari, Rep of NAICOM; Mr. Mina Oforiokuma, Rep of NCCF; Engr. Simbi Wabote, Executive Secretary, NCDMB; Dr. Emmanuel Ibe Kachikwu, Minister of State for Petroleum Resources and Chairman of Council; Mr. Bank -Anthony Okoroafor, Rep of PETAN; Engr. Kashim Abdul Ali, Rep of COREN; Mr. M.B.D Ladan, Rep of DPR and Mr. Inuwa Isa, Rep of NNPC, after their meeting in Abuja.



Inspection of Egina: Representatives of NCDMB, NIMASA, NEPZA, NPA, Nigerian Customs, Total Upstream and Samsung Heavy Industries (SHI) onboard the Egina FPSO at its construction site at SHI's yard, Geoje, South Korea.



R-L: Mr. Patrick Obah, Director, Planning, Research and Statistics; Mrs. Rose Chukwuonye, Coordinator, Legal Services and a guest at the NCDMB Strategic Stakeholder Event, in Houstonian, Houston, Texas.

Nigerian Content Cha

Nigerdock boosts Local Content, delivers fabricated structures and graduates trainees under human capacity development program for Egina FPSO Project

Nigerdock was awarded two (2) Subcontracts by Samsung Heavy Industries Nigeria Limited for the fabrication of various Structures on Total Upstream Nigeria Limited (TUPNI) Floating Production, Storage & Offloading (FPSO) Unit Project with a combined weight of 7336 tonnes, which represents over 50% of the entire in-country fabrication scope.

The first Subcontract (Egina Phase 1 Project) commenced in June 2014 and the various work packages were completed in October 2015. Six (6) Structures were fabricated including Living Quarters Steel Blocks (11ea.), Laydown Area (10ea.), Crew Boat and Supply Boat Berthing Structure (2ea.), Vertical Caissons (10ea.), Helideck and supports (1ea.) and Radar Mast (1ea.)

Project activities for the second Subcontract (Egina Phase 2 Project) for the fabrication of Ten (10) Structures commenced in February 2015. Most of the structures under this Subcontract like the Flare Tower (1ea.), Access tower (2ea.), Crane Pedestal (2ea.), Riser Porch (22ea.), Protection Structures (13ea.) and Work Boat Structure (1ea) have been completed and loaded out. Final date to conclude all obligations under Egina Phase 2 Project is scheduled for June 2017.

Nigerdock remains the foremost local content champion, committed to the vision

of building the country's local capacity and delivering value to the economy in line with global best practices. Nigerdock's capacity and capabilities have been reaffirmed through the series of firsts recorded in the industry as a whole, and on Egina FPSO Project in particular. Nigerdock was the first Nigerian yard to successfully complete fabrication and load out of Egina



■ Crew Boat Berth Structure



■ Group photo of Professional Trainees during their graduation ceremony at Nigerdock Academy



■ Helideck and support ready for loadout

Champion!



Project Structures. . Remarkably, this Project was executed without any LTI (over 4million man-hours expended on Egina project) which compares with best in class in Europe and America.

A prime advocate for developing Nigerian Content, Nigerdock epitomises the values of the Nigeria Oil and Gas Industry Content Development (NOGICD) Act 2010, which emphasizes the development of local skills, technology transfer, local manufacturing and use of local manpower to upgrade Nigeria's manpower capacity, with results that benefit the government, private companies, and Nigeria's economy. To build expertise and capacity in Nigeria's oil and gas industry, Nigerdock is also delivering the on-the-job training aspect of National Human Capacity Development activities under Egina FPSO Project. Overall, 250,000 man-hours of training was budgeted to be expended and this was planned to benefit 100 Nigerians.

The training program was split into two groups; 50 Professionals for training on various Project Management, Engineering and Construction disciplines and also 50 Vocational trainees for Welding, Fitting and Machining Training.

In the latest of its significant achievements, Nigerdock in April graduated 48 professional trainees upon completion of their on the job training. These professional trainees received hands-on-training, based on curriculum focused on prescribed international certifications for each skillset from internationally accredited subject matter experts. They all benefited from training in real life environment - from start to finish with nothing simulated, in-depth theoretical and hands-on training and access to a pool of internationally accredited Subject Matter Experts in different skillsets.

International certifications were also awarded.

The NHCD training program re-emphasises Nigerdock's leadership role in Nigerian Human Capacity Development, and it represents a major milestone in government and industry's quest towards achieving increased local content in the nation's oil and gas sector.

About Nigerdock

Nigerdock is a leading indigenous Nigerian oil services company and a member of Jagal Energy. It has diverse capabilities in the areas of engineering, offshore fabrication, ship repair, logistics, marine and support base services. It is strategically located at Snake Island Integrated Free Zone and offers integrated support services to the upstream oil and gas sector.



■ Flare Tower Structure, single heaviest structure fabricated by Nigerdock for Egina Project

HBC

Resort draws visitors to rediscover Jos

Jos, previously one of Nigeria's most attractive destinations, lost its allure because of the crises that engulfed the tin city. The Healthy Body Clinic and Resort is an eloquent testament to the return of the cosmopolitan city to its former glory.

A visit to Jos will not be complete without a stopover at the Healthy Body Clinic and Resort, a boutique-style wellness resort located on the picturesque highlands of Plateau State on Kuru-Vom Road in Jos. The resort is a five-minute drive from the National Institute of Policy and Strategic Studies (NIPSS).

Its beautiful landscape and raw eco-friendly environment makes it the ideal choice for healing, vacation and retreats. It would simply pass for a weekend getaway for the busy executive to overcome stress.

The city is suffused with lots of sights and sounds; so, you have lots of things to do and see. Enjoy a visit to the museum, zoo, or go fishing, golfing, among many

other things. The resort complements these with dairy farm visits, garden tours, visits to the African art market, cultural performance, comedy night or a moonlight dinner in one of the botanical gardens. You can go for health talks and seminars. There are camping and baking classes for children, children's garden experience, boat cruise and water sports. But these depend on the weather conditions and other factors. An added benefit of holidaying in Jos is that the traffic is minimal.

One outstanding feature of the resort is that it grows most of its food, ensuring that it lives up to its reputation as an organic resort. It is well positioned to offer organic foods and health rejuvenation programmes. Guests have the opportunity to tour the farms in the

resort to avail them of medicinal and culinary usage of herbs. Plant lovers will be lost in the array of plants of different types. Visitors can also buy organic products from the resort.

HBC, as it is known, has luxury accommodation, special honeymoon suites, swimming pool and fully equipped gym. Groups can also have a facility and herbertum tour after which its members will be offered light refreshments of homemade healthy muffins, fresh organic herbal teas or HBC's signature healthy bite.

The resort makes a pitch about providing a lasting and more sustainable cure for diabetes, blood pressure, fibroid, chronic fatigue, obesity, arthritis, high cholesterol and candida through its



Rose from HBC garden



Typical dish at HBC...Coconut rice infused with pineapple, essential oils, beetroot, Swiss chard, baked salmon with a dribble of guacamole.



Indoors of HBC

nutritional therapy. Specialised services such as colon irrigation and other life transformational programmes are not in short supply.

During your tour, you can walk through the resort's garden paradise and smell the delicate scent of roses. You will enjoy the songs of beautiful birds and watch the dance of butterflies as the aroma of tasty barbecue fills the night air, accompanied by music.

For an indigenous brand, HBC Resort has done well in fusing the benefits of using plants to entertain and heal in a well appointed facility that shows that Nigeria is indeed imbibing global trends but giving them a national twang.

And three other places....



Ezeagu Tourist Complex

You can't visit Enugu without climbing a hill! Enugu is literally translated, "top of the hill". You can visit the coal mines, Ani Ozalla Lake, Ngwo Cave and Waterfall. The exhilarating view which a hilltop gives visitors is indescribable. A stay at Ezeagu Tourist Complex, with its lake and caves, will leave a memorable impression.



Obudu Resort

Obudu is a gem in Nigeria's tourism landscape. While it is the poster child for the treasure in Cross River State, there are lots of other attractions. To get a feel of Obudu's rich fauna, go on the cable car or get close to nature by going on the 70m Canopy Walkway. And, of course, see the Agbokim Waterfalls.



Erin Ijesha

This potentially huge tourist attraction in Osun State is evidence that Nigeria is too rich to be poor. Its attraction is the seven-step waterfall. Each step of the waterfall has a flowing fountain and it is different to the other, giving visitors different experiences. Climbers will find this waterfall interesting. It will challenge their abilities.

“DeltaAfrik excelled because of the Nigerian Content Policy”



Akin Odumakinde
Managing Director of DeltaAfrik



Your company participated in the Egina Topside Engineering design. How challenging was the consortium’s experience?

NETCO led other consortium members (IESL, DeltaAfrik and other engineering companies) in the execution of the Egina FPSO Topside Detailed Engineering Design of the Topside Module Scope.

Yes, there were few challenges within the consortium, which were strategically addressed. The first key issue was establishing an alignment and having a common understanding of building capacity and capability in-country. The next issue was staffing the project with the right skills set within a very short time. Each company had slots to fill, according to the staffing plan. Whenever there were challenges to filling slots assigned to consortium companies, there was cooperation in supporting each other to providing the required workers. The third was schedule: Projects of this magnitude sometimes experience scope creep, which results in schedule elongation. This was very challenging. The support from the stakeholders (Total,

DeltaAfrik, one of the leading engineering companies in Nigeria participated in the Egina FPSO Topside Detailed Engineering Design and hosted the design activity at its 10-storey towers. Akin Odumakinde, Managing Director, provides deep insight into the historic project, attributing the company’s successes to Nigerian Content policy.

SHI), including WorleyParsons, who provided the technical leadership and management of the engineering execution, helped tremendously in addressing schedule issues.

Another one is Quality. The different skills set and levels of experience of consortium engineers from various backgrounds posed a challenge. To address this, the consortium, upfront, settled for the WorleyParsons systems, which is among the best practices in the industry. There was a continual induction and training of project team on the use of the system. Besides, the WorleyParsons team and the Consortium management deployed project specific strategies during execution. This enhanced the quality and safety culture across the project team.

Egina FPSO was a novel project where human resources (both technical and non-technical) from different companies were brought together to execute the project. The project created a steering committee, led by the Managing Director of NETCO.

Each of these companies’ MDs was a member. This committee met every other month to address issues and recommend strategies to ensure that the project was successfully executed and completed on time. The Project Director and Deputy Project Director from the consortium were also part of the steering committee.

What was the scope of the consortium and how was work split for the members?

The scope was Detailed Engineering of the Topsides of the Egina FPSO. The Topsides were grouped into three packages: Package One comprised 11 modules. For example, the utilities include the Flare Tower and Pipe Racks. Package Two comprised of three modules, which include Process units. Package Three, comprised five modules, was Power generation.

The scope for the consortium was Packages One and Three. Each of the consortium members, including DeltaAfrik, worked on the two packages with consolidated man-hours of over 1,000,000. The engineering disciplines, Process, Piping, Instrumentation, Electrical, Process Safety and Risk, Structural, Mechanical, HVAC, Architecture, Design /Drafting and Project Management disciplines, which include Project Management, Project Control, Document Control, Interface Management, Quality Management, Safety were involved in the project. The consortium members jointly executed the Detailed Engineering Design of the topside modules of the Egina FPSO Project as an integrated team. The scope was not shared among the consortium members but was based on an integrated approach to reduce the risk for delivery. This model was adopted for execution under the supervision of WorleyParsons. WorleyParsons has been SHI's engineering design contractor before the award of Egina FPSO project.

With the downturn in the past few years, how has your company fared in retaining its engineers, to avoid losing their competences?

It has been a very turbulent business environment for everyone in our industry as well as the country in the past few years. The downturn was a global phenomenon and many companies had to employ capital efficiency strategies to stay in business. We were no different.

We all know that it is important for companies to retain knowledge, which gives them competitive advantage and sustains their business. DeltaAfrik Engineering needs projects to retain its human resources. Without projects, it is an uphill task to retain same. Due to the downturn in the past few years, we are presently one-third of our size.

Engineering companies are believed to have met the minimum targets set by the Nigerian Content Act. What do you consider as the next level?

So far, quite a number of projects have been executed in-country and they have been able to significantly meet the targets of 70 per cent for the engineering required to be executed in-country. The next level is to ensure that there are available projects for companies to execute.

As at today, training capacity development is only with NCDMB. This is not sustainable because NCDMB only engages personnel for training for about six months to one year. Thereafter, the trainees who are fortunate will join the labour market as soon as possible, while the others continue to struggle to fit into somewhere. By doing this, they lose the knowledge or skills gained from the training. This does not properly express the intent of NCDMB on capacity building.

What we consider to be the next level is NCDMB allowing companies, like DeltaAfrik Engineering, to train its own people on the job, retain them and assign them to projects. The present scenario can be captured as this: NCDMB refers personnel to a company for a limited duration. These personnel are exposed to a particular project and disengaged, following the successful completion of the project, because they are not the direct staff of DeltaAfrik Engineering. This practice is not sustainable and does not give value to the referred personnel and the company which provides the training platform.

Also, Engineering companies should be given the opportunity to work on follow-on engineering jobs. This means after the engineering design, they work on the operations sides, apart from FEEDs and detailed designs. This is applicable today in the industry. Most of the EPC contractors do their jobs themselves and never call back the engineering contractors to provide the scenario of seeing through the entire value chain.

How will we get there? By lots of engagements, because we have to compete for projects. We also need to develop capacities in deep offshore engineering technology and complex fabrication and construction projects.

“ Quite a number of projects have been executed in-country and they have been able to significantly meet the targets of 70 per cent for the engineering required to be executed in-country. ”

Nigerian engineering companies have excelled in the oil and gas industry. Why is this level of performance not being manifestly replicated in other critical sectors of the economy?

DeltaAfrik Engineering has largely excelled in the oil and gas industry because of the Nigerian Content Policy. More importantly, the engineering requirements in the other industries are not as demanding as they are in the oil and gas sector. The way clients buy the products also differ.

For instance, the agricultural sector is just coming up, but not mechanised, archaic technologies are being deployed. This may hinder 100 percent local production of agricultural produce in the country. Likewise, the Mining sector. There are illegal mining activities all around and there are no major foreign investors or companies in Nigeria because government has not made it viable to encourage investors to be key players in this industry.

The big difference that is making companies to excel in the oil and gas sector is the Nigerian Content Policy. The oil and gas sector is developing because the key players are already here and they have massive investments in infrastructure in Nigeria. They are leveraging on these investments. In view of these, the other sectors should be regulated and developed to enable investors invest and create jobs.

Thrills of the wind

They are trim, super lithe, energetic, athletic and confident. They also possess that apparent sense of freedom. Welcome to the exciting world of cyclists.

Cycling is one outdoor activity Nigerians have always loved, though very few take it as a professional sport. In villages, towns and cities across the country, there is almost always a bicycle rental shop, where kids and adults, who cannot afford a bike, rent one. Mostly, people ride it for fun.

Many, however, hardly realise that going on a bike with the wind pushing hard against your face, has immense health

benefits. Cycling works on all the muscle groups in the body. Several studies on biking and bikers have shown that biking can improve the heart, quicken recovery from injury, in weight loss, and, wait for it, prevent cancer. It makes you feel sexier. A study published in the Journal of the American Medical Association revealed that those with a higher fitness level (bikers are super fit) in middle age have a lower risk for colorectal and lung cancer.

For those considering taking the sport, there are a number of cycling clubs, especially in major urban centres across the country. With time, you can participate in cycling tourneys or

championships at local and international levels to test your skills and endurance against others. Tourneys, whether amateur or professional, are also excellent opportunities to network.

You may want to consider biking today and ride yourself to fitness and good health. Now is the time to do something about that stubborn paunch. On weekends, a five-hour ride in the cool of the morning or evening around your neighbourhood will do you a world of good. The cool soothing early morning or late evening breeze on your back and wheezing past your face as you cycle around, be it for leisure, recreation or as a sport, is a wonderful feeling to savour.

Studies on biking and bikers have shown that biking can improve the heart, quicken recovery from injury, in weight loss, and, wait for it, prevent cancer. It makes you feel sexier.

Bayelsa, bubbly with wrestling

Bayelsa State, the Ijaw heartland, evokes imagery of creeks, oil fields, fishing and swimmers. Nothing about the topography suggests that it would breed good wrestlers. But over the years, the indigenes have excelled in wrestling competitions at local and international events.

Pick of the pack is Daniel Igali, a current member of the Bayelsa State House of Assembly, who also doubles as President of the Nigerian Wrestling Federation and Chairman of the Technical Committee of the Nigerian Olympic Committee.

Igali was captain of the Nigerian wrestling team to the 1994 Commonwealth Games in Canada. He defected to Canada and won for the North American country its first gold medal in wrestling at the 2000 Summer Olympic Games. He also won gold medal at the 2002 Commonwealth Games and garnered several other laurels in his active days.

Prior Igali's heroics, Jackson Bidei, from Amassoma Community in Southern Ijaw Local Government Area blazed the trail. The retired Permanent Secretary started traditional wrestling in his village and later became state, national and African champion as well as silver medalist in freestyle wrestling at the Commonwealth Games.

Other wrestling champions from Bayelsa include Appah Macaulay, Victor Kodei, who was 13 times African champion; Joe Eziti and Isaac Jacob, who was eight times African champion. The females are not left out. Blessing Ogborodudu was a seven-time African champion while Mercy Genesis, 19, has won her second African title and was part of Team Nigeria to the last Olympics.

Traditional wrestling is the ancestral sport of the Izon man. Most families strive to take part in it. "Bayelsa State excels (in wrestling) because it is a folk sport for which participation begins from childhood for most males in our communities. Wrestling is part of the culture. At the slightest chance, we wrestle," Igali said.

According to him, anyone skilled in traditional wrestling can learn the rules of professional wrestling. However, the two are different. In traditional wrestling, he said: "If your shoulder, stomach, buttocks or back touches the ground, it is a fall. That is the end of the match." But in freestyle wrestling, which is the Olympic style of wrestling, he said: "Your

knees, being on the ground, is just the start of the match. Points are allotted to different rules. They range from two, four and five points, given for different kinds of moves."

Although traditional wrestling is no longer attracting the numbers it used to in most communities in Southeast and Southsouth, where it used to be part of the culture, in Bayelsa, the sport is very much alive. In fact, professional wrestlers are sponsored by the state Government to competitions within and outside the state. There are also wrestling clubs, which provide the platforms for continuous engagement in the sport. More than 25 coaches and 100 athletes and officials are employed in the state's sports council.

Apart from the entertainment and economic values, wrestling improves health. "It exercises the heart. There has never been any active wrestler that has ever had a heart attack," Igali said.

- Henry Alogidi



Energy nuggets for homes and offices

You save lots of money when you are energy-smart. Juststandout (www.juststandout.com), a Nigerian company leading the campaign to make Nigerians and their businesses optimise energy resources, has compiled simple, practical solutions that you can implement, starting now.

Roofs

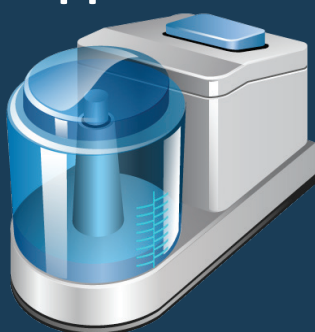
Vent your roof to allow lower temperatures above your head and home. This leads to lower electricity bills and capacity systems (generators, inverters, solar or wind). With asbestos and metal replacing thatch and clay/slate, our homes today are as hot as



ovens.

- Use white roofs. Black or dark roofs absorb heat, make the home uncomfortable and increase your cooling costs
- Install an attic fan with a thermostat to quickly reduce the roof temperature
- Replace metal roofs with clay/slate or other materials that do not conduct heat

Electrical appliances



New energy light bulbs save as much as 80 percent of energy.

- Replace all your major appliances to energy-saving appliances, including air conditioners with high efficiency units
- Add a solar water heater

Conserve



Switch off appliances and lights when not in use.

- Use natural light where possible
- Add photo switches to all outside lights, get more fans and use less AC
- Add infrared switches to lights and some appliances. Set to switch off if no one is in the room for three to five minutes

Fridge and freezer

Make your fridge and freezer more efficient or buy a new one, if the current



fridge is old. This simple process will save you tonnes of energy and food.

- For fresher, longer lasting vegetables, use a "vegetable moisturiser". This is a small plastic bowl with perforated cover filled with water in your vegetable section of the fridge
- Place an "ice battery" in your freezer. An ice battery is a 25-litre keg filled with water. It freezes when there is power and uses the stored energy to cool when there is no power for up to three days

Power solutions

Add or design new homes with power solutions. This will increase your quality of life at a lower investment.



- Install an inverter with a battery bank to power lights, TV sets and fans.
- Get a generator to charge the battery bank, if the power in your area is bad
- Add or install solar panels to your system

Homes and offices

Buildings should be constructed to conform to the climate. This will save a tonne of energy needed to power the country.

- Use 0.5hp water pumping machine
- Remodel your current home to take advantage of all the power savings, starting from the orientation of the building
- Use red brick or other material that provides passive cooling

The best time to write a will is now

Will writing is at the heart of long term financial planning

Broach the subject of Will writing. You will instantly notice an uncomfortable demeanour, followed by a look that clearly suggests, 'change the topic, please'. A Will collocates with death and the typical Nigerian has been raised to believe any discussion about death is an anathema, amounting to 'calling' death on oneself. Thus, Will, which is simply a document stating how assets should be shared upon death, is avoided because of its association with death.

It was fine in the past to hold onto this belief because the communal structure of society, where everybody in a community was everybody else's keeper, ensured that a deceased person's dependants were adequately cared for. Unfortunately, societies have lost that reassuring communal proclivity and the family unit has gained prominence, coupled with the increasing realisation that death is inevitable. Realising this, smart individuals are beginning to shake off the superstitions about death and are gradually embracing estate planning, including Will writing, to ensure their loved ones are taken care of, even when they are gone.

"Death is inevitable. We can make the end of our time a happy memory for our loved ones when we have left well with our affairs all neatly tidied up and when

we have helped make intergenerational wealth transfer a seamless or painless process for them," says Binta Max-Gbinije, Chief Executive of Stanbic IBTC Trustees.

Indeed, a Will is an estate planning tool. It helps an individual to streamline his assets, protect his wealth and preserve it for the next generation. If an individual dies intestate, that is, without a Will, there is a strong possibility that the wealth amassed over a lifetime could be lost, thereby putting his loved ones in double jeopardy: the grief from the death and being left out in the cold.

The process of sharing the wealth of a deceased, who died intestate, is usually cumbersome and complicated. What happens in such a situation is that the assets go through probate, a court process, to determine what family members should get what. Invariably, the state decides, through an appointed administrator, how the wealth is shared.

The probate is not only costly – the state takes a percentage of the wealth – in some states, it could go as high as 40 per cent. Besides, it is often a long drawn process and until it is completed, no family member gets a kobo. In the interim, surviving children and other dependants go through agony and lack. Probate has been known to run for

several years, particularly where there are contentions among family members. In such circumstances, the entire estate could even be lost to the state.

"We advise that a Will be written by every adult with dependants to mitigate the hardship that usually occur in the absence of these loved ones," said a lawyer, Onyekachi Ubani. Another possibility, when there is no Will, is that the deceased person's assets could go to an individual(s) that the deceased never intended to inherit him while leaving the intended beneficiaries empty.

Even where the probate route is not taken, instances abound of extended family members: parents, uncles, aunts, cousins taking over the estate of the deceased and leaving the immediate family – wife and children – empty.

Estate planning, including Will writing, is beginning to lose its foreboding. There is the realisation that it is not only expedient, but is "the very prudent course of action one ought to take once an individual attains adulthood," according to Max-Gbinije. It not only gives you a sense of your worth, it also allows you to adequately provide for and secure the future of your loved ones even in your absence. Above all, it preserves the fond memories your loved ones have of you.



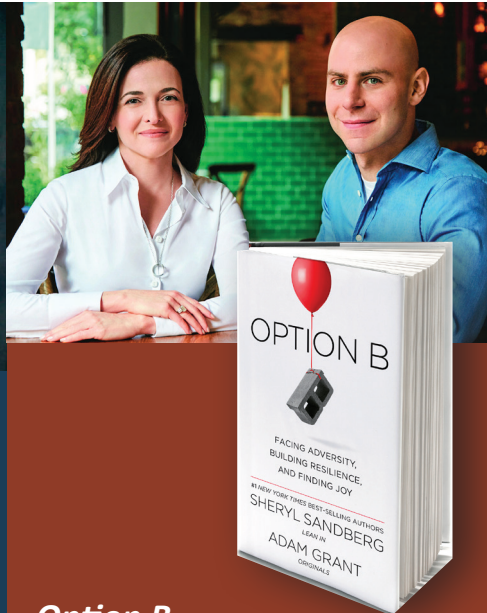
And After Many Days

by Jowhor Ile

Jowhor Ile's debut novel is premised around a boy who goes missing, a family that is torn apart, and a nation on the brink. The story, situated in the bustling town of Port Harcourt, Nigeria, follows the disruption of a middle-class and well respected family's life occasioned by the sudden disappearance of 17-year-old Paul Utu. An interesting point to note about this piece is the refreshing style employed by the writer, which allows the narrative to move seamlessly back and forth through time.

The book's blurb proclaims: "A novel of childhood, of the delicate, complex balance of power and love between siblings; the unique ecosystems of a family. It is also a portrait of a society, as the old world gives way to a new status quo. It is a novel of quiet, devastating force. *And After Many Days* holds at its centre a profound story of life, loss and becoming."

Themes of police brutality, oil shortages, and frenzied student protests provide a periodic context to the novel as well as the use of a recurring motif of someone switching on a light bulb. *And After Many Days* became the first Nigerian novel to win the Etisalat Prize for Literature this year. It is definitely worth your read.



Option B

by Sheryl Sandberg and Adam Grant

Following the huge success of *Lean In*, her book on women and leadership, Sheryl Sandberg, Facebook's Chief Operating Officer and psychologist, and Adam Grant, a highly-rated professor at Wharton, team up for *Option B*, following the death of Sheryl's husband and internet entrepreneur, Dave Goldberg in May 2015. The book, whose sub-title is *Facing Adversity, Building Resilience, and Finding Joy*, provides a compelling treatise on how to deal with the fact that "life can be cruel and casually take away the people that we love the most".

Option B is a very intimate book that combines Grant's research on how to find strength in the face of adversity with Sandberg's personal, simple and unvarnished stories and insights to deliver a powerful, inspiring and practical message about building resilience and moving forward after life's inevitable setbacks.

Chronicling them in a journal-like format with excruciating details, the events are about Sandberg's life in the past two years. *Option B* explores how a broad range of people have overcome hardship through stories that reveal the capacity of the human spirit to persevere and to rediscover joy. It also provides insights into how to help others in any crisis, develop compassion, raise strong children and create resilient families, communities and workplaces.

"I want Dave," Sheryl cried. Her friend replied, "Option A is not available," and then promised to help her make the most of Option B.

Option B does indeed offer great comfort to its intended readers.



Smarter Faster Better:

The secrets of being productive in Life and Business

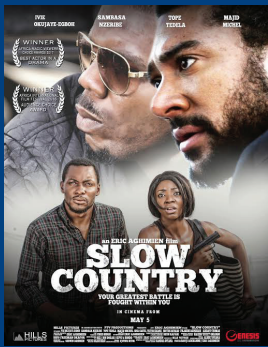
by Charles Duhigg

In *Smarter Faster Better*, Pulitzer Prize-winning journalist, Charles Duhigg, follows up on his 2012 best-seller, *The Power of Habit: Why We Do What We Do in Life and Business*. He presents fascinating anecdotes that explore the science of productivity and how managing "how" you think — rather than "what" you think — can transform your life and help you improve at the things you do.

What commonalities can be found among the filmmakers behind Disney's *Frozen*, a Marine Corps general, a group of data scientists at Google who embark on a four-year study of how the best teams function and a young woman who drops out of a PhD programme and starts playing poker?

Using narratives that are interpolated with some social and cognitive science, Duhigg posits that the most productive people, companies and organisations don't merely act differently. Here are some lessons that can be learnt: making choices improves your motivation; use mental models to increase focus; use both short and long term goals; use forecasting and probability to improve decision making; improve creativity by mixing things up.

Published in March 2016 by Random House, this 400-page, well researched book is a long read that helps you to view the world, and the choices you make, in profoundly different ways.



Slow Country

Slow Country, an action thriller with a healthy dose of romance, is filmmaker Eric Aghimien's sophomore feature, following the phenomenal success of his award winning, *A Mile From Home*.

Slow Country tells the story of Kome, a desperate and single teenage mom who is lured into drug trafficking and prostitution in a bid to give her seven-year-old son, Peter, the good life. Kome decides to quit, and this ruffles the feathers of Tuvie, who runs the ring and will stop at nothing to keep his prized asset in sight. Kome gets some help from her childhood flame, Osas, who is also Peter's dad. He reappears and fights to win back her love.

With compelling fight stunts, the movie stars AMVCA awarding winning acts like Tope Tedela, Ivie Okujaye, Sambasa Nzeri as well as Majid Michel and Victor Eraibe.



Isoken

Isoken is a star-studded debut feature film written, produced and directed by Jade Osiberu.

Isoken is a romantic dramedy that explores cultural expectations, racial stereotypes and the bonds that unite families in touching, dramatic and comedic ways. It has as its logline: "What would you do if you were faced with a decision that could potentially tear apart relationships that you value the most?"

Isoken, unmarried at 34 in a culture obsessed with marriage, gives serious cause for concern and has to choose between two men - Osaze, the perfect Nigerian husband material from Edo state or Kevin, an Oyinbo.

With stunning visuals, *Isoken* features many of the biggest names in Nollywood, including Funke Akindele, talented Tina Mba alongside Dakore Akande, Joseph Benjamin, Damilola Attoh, Ghollywood star, Lydia Forson and Marc Rhys. This is a film you want to see!

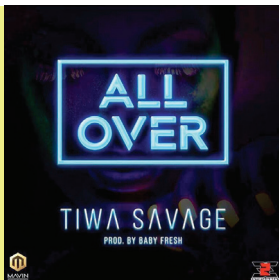


Stormy Hearts

Following the success of her first feature film, *Not Just Married*, which went on to premiere at the Toronto International Film Festival in 2016 and received an award at the AMVCA 2017, Judith Audu has presented cinema goers with her second offering, *Stormy Hearts*.

The musical follows the story of a music producer, Basi, who is heartbroken because of his quarrels with his protégé, Kachi, a talented singer, who then abandons him for Johnson, a bigger music producer in town. The breakup hits Basi hard. Basi and Ella, a prostitute on the run, develop a relationship that changes their lives after their paths crossed.

Directed by Tope Alake and written by Brenda Ogbukaa and Chijioke Ononiwu, the movie stars old timer Fred Amata, new kids on the block, Kenneth Okoli, Rotimi Salami, Kelechi Udegbe, Gregory Ojefua, Omoye Uzamere, Theresa Edem-Isemin, Eddie Watson and Christiana Martin.



All Over - Tiwa Savage

All Over is an afro-pop track that gets you grooving from the moment you hit play. It is Mavin's first lady, Tiwa Savage's comeback offering. Produced by Mavin's in-house music producer, Baby Fresh, the jam is lit as Tiwa lights up the place with her inimitable mellow vocals and well laced beats in simple design sets.

Tiwa Savage opens with, *make we scatter this place tonight*, a call to her lover who gives her goose bumps and a familiar tinge like Romeo and Juliet all over. *You are my baby for life, I want to wake up by your side for life*, she sings. This seems apposite in view of her recent marital challenges. These lines can be construed to mean an affirmation of thankfulness and the opportunity to start all over again. This is a feel good jam that you can't get tired of grooving.



Iskaba - Wande Coal

Former Mo-Hits hit artiste, Wande Coal is back with a club banger, *Iskaba*. It features DJ Tunez and it is produced by Spellz. This jam also marks the Black Diamond's return after a hiatus. It's a song that will make you bump your head and move your body to the rhythm. If you need a proof of that, listen to the refrain - *Iskaba, Iskele bête, Iskolo boto*, repeated four times over.

Iskaba is a fast-paced Afro-Beat sound, which begins with a plea: *Oh my darling, Omo dakun; Baby, jo fun mi*, an invocation of some sorts to his female consort, whom he claims needs to be loved. Of course, the jam isn't complete without the descriptive innuendos, *Your body na fire, Original baby not made in China...*

The video for this jam, which borrows from Uptown Funk, sees WC and DJ Tunez dazzle in a classic retro that further reinforces the beauty of *Iskaba*.



How Can - DNA Twins

DNA is a music group of identical twin sensation, Blair and Clinton. The duo took the world by storm during The Voice Nigeria with not just their music but also their charm and uniqueness. Signed on by Mavin Records boss, Don Jazzy, they came out swinging with their debut jam, *How Can*, which has Jazzy on the background vocals and producer.

A relaxed and easy going love song, *How Can* has a contemporary highlife vibe and surprisingly mature production values. Well, maybe not surprising, after all its Don Jazzy again...

Dis one na quality love, I am ready to love oooo, meet me for the other room, I go show you what's up eeh ... This sets the tone for this feel-good jam. The sky will be the starting point for this young duo, if they continue like this.

SPONSORED

Samsung provides platform for Nigeria to execute complex offshore projects



Mr. C. W. Kim, Managing Director of Samsung Heavy Industries Nigeria Limited, provides insight into the groundbreaking Egina FPSO and other pioneering projects of the company.

Is the Egina FPSO your first project in Nigeria?

Not really, as our parent company in Korea, Samsung Heavy Industries Co., Ltd. (SHI) had previously executed the following Nigerian projects: Shell Bonga FPSO and Sea Eagle FPSO, ExxonMobil East Area GN Process Platform and six LNG carriers. The successful execution of these projects and our commitment to developing local capacity convinced the company of the long-term business viability of setting up a local entity in-country. This led to the establishment of our Nigerian company, Samsung Heavy Industries Nigeria Limited (SHIN), which was awarded the Contract for the Engineering, Procurement, Construction and Commissioning of a Floating Production, Storage and Offloading (FPSO) Unit with storage capacity of 2,300,000 bbls by Total Upstream Nigeria Limited (Total) for the development of the EGINA Field located in OML 130, Offshore Nigeria.

What are the full components of the Egina project that were executed by your company?

Samsung Heavy Industries Nigeria undertook the following components of the EGINA project: Engineering, Procurement, Construction, Commissioning, Transportation and Installation of the FPSO, which entailed the fabrication and integration of the Hull along with 18 Topsides modules. The Hull and 12 topsides module are being fabricated and commissioned at the world-class Samsung shipyard in Geoje, Korea while the remaining six (6) topsides modules are currently undergoing fabrication by our subsidiary joint venture company SHI-MCI FZE, Tarkwa Bay, Lagos, in its state-of-the art integration yard facility, which was constructed and developed under the technical, managerial and operational expertise of Samsung Heavy Industries.

The integration of the Hull and in-country fabricated Topsides modules will also be executed in the yard upon the arrival of the FPSO in-country. Some other items of the FPSO were also fabricated in-country by Nigerian subcontractors, like the Living Quarter Components, Flare Tower, Riser Porches, Pressure Vessels, etc.

The EGINA FPSO measures 330m long, 61m wide and the daily crude oil production will be 208,000 bbls, which translates to potential earnings of approximately USD\$10,000,000 per day.

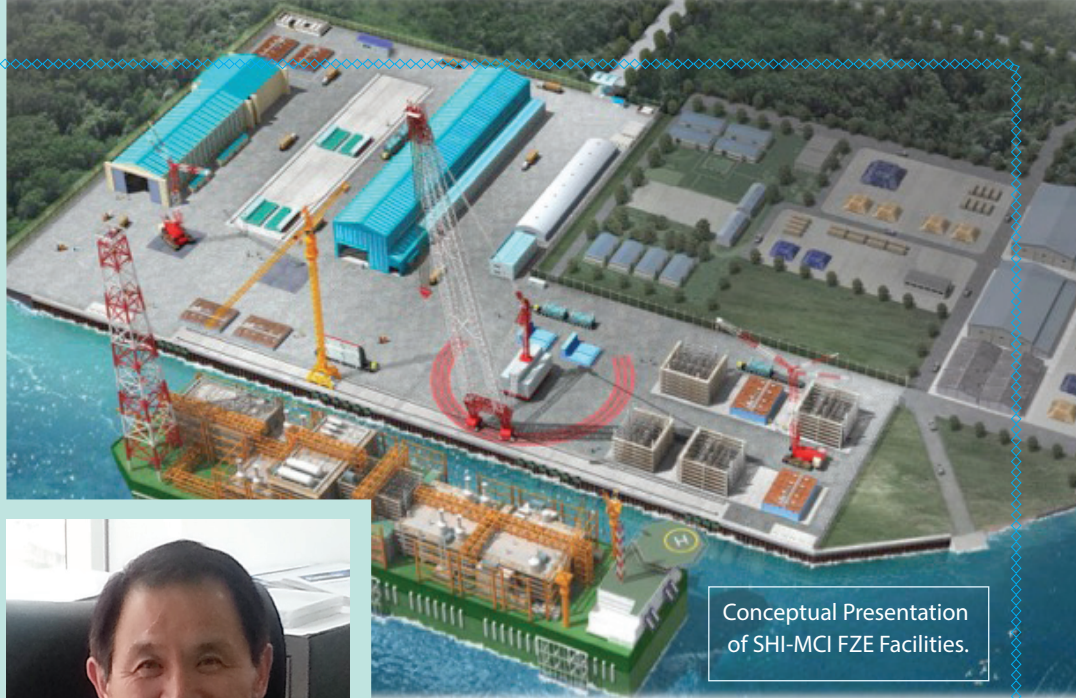
How ready is your company for the arrival of the FPSO and partial in-country integration?

We are ready to receive the FPSO. Our readiness is demonstrated in the state-of-the-art integration and fabrication facility we have completed at our SHI-MCI FZE yard. To enable the mooring, integration and assembly of the Hull and Topsides modules of the FPSO upon its arrival in-country, we have also completed a 502m long quay wall at our SHI-MCI FZE Yard and obtained all statutory approvals and permits for its operation. We have further dredged the quayside to a water depth of 11.5m to berth the FPSO and concluded arrangements for all related towage activities including simulation test for Lagos Channel passage.

Above all, we have a formidable team of well trained and motivated personnel ready to commence the integration works.



Topside Modules Fabrication Works at SHI-MCI Facilities, Tarkwa Bay, Lagos



Conceptual Presentation of SHI-MCI FZE Facilities.



Mr. C. W. Kim, Managing Director of Samsung Heavy Industries Nigeria.

What are your company's plans to expand the size of its fabrication yard at Tarkwa Bay?

Currently our yard can handle 10,000MT of fabrication annually. However, during the design of the facilities, provisions were made for potential increase in capacity. We are ready to increase our capacity as project exigencies dictates. We are hopeful this will be the case in view of the current awareness with respect to the Nigeria Oil and Gas Industry Content Development (NOGICD) Act.

How much technology has SHIN transferred to Nigerians through this project?

Specialised Projects like the Egina FPSO Project offer a unique opportunity for knowledge sharing and transfer in all the technological disciplines involved. Technology transfer has been in the forefront of our policy in carrying out this project. To this end, we formed SHI-MCI FZE and constructed the state-of-the-art fabrication and integration yard, which is exactly modeled on what is obtainable in our world-class facilities in Geoje yard. In the course of the work, we have utilised specialised technological software uniquely developed by Samsung Heavy Industries and brought in world-class experts in construction of deep offshore facilities, who have passed on

their skills and experience to the thousands of Nigerians that have been placed as their understudies.

Furthermore, in aligning with the Board's mandate and the desire of the government to increase capacity and competencies of Nigerian engineers and the applicable workforce through targeted trainings aimed at transferring knowledge, Samsung Heavy Industries Nigeria has through its National Human Capacity Development Initiatives trained and is currently training Nigerians on the back of this project.

During the detailed engineering phase of this project, 33 Nigerian engineers participated in a one-year training programme across nine (9) engineering disciplines (mechanical, process, structural, piping, electrical, quality assurance, project controls, interface and instrumentation). The trainees evolved from zero level to acquiring skills that qualified them to participate significantly and actively in the Egina FPSO detail engineering and design.

"Samsung yard can handle 10,000MT of fabrication annually. During the design of the facilities, provisions were made for potential increase in capacity. We are ready to increase our capacity as project exigencies dictates."

Currently, in tandem with the construction phase of the project, 100 Nigerians are being trained in construction related disciplines.

Key features of Samsung fabrication yard

- Yard area - 121,000m²
- Assembly shop - 6,300m²
- Assembly yard - 7,200m²
- Fully enclosed painting shop - 4,500m²
- Warehouse - 1,979m²
- Quay wall - 502m
- Water depth - 11.5m
- Heavy lifting capacity - Up to 5,000MT
- Current installed fabrication capacity - 10,000MT/year

The skill sets and competencies that have been acquired with international certifications include but not limited to: Non-destructive testing, Project planning, Coating inspection, Welding engineering and inspection, Lifting operations, Cost control, Welding, Machining, Fitting, etc.

Also, more than 300 welders have been trained and certified in various advanced welding processes in our state-of-the-art Welders Training and Qualification Centre (WTQC). We have also trained and certified Nigerians in specialised jointing techniques like GRE (Glass reinforced Epoxy) pipe bonding. Most of the above have been and are still currently engaged in the execution of the project.

How many jobs did the Egina FPSO project create in your facility and what are the chances they would be retained at the end of the project?

The Egina FPSO project has created an exponential number of jobs running into an estimated 20,000 positions, judging by its cascading effect outside our facility. But to restrict the answer to our SHI-MCI FZE facility, the project has created more than 1,200 direct jobs for Nigerians. This is spread across many disciplines including but not limited to: project management, welding, fitting, logistics and other support services.

It is our hope that this state-of-the-art facility would be maximally utilised through continuous patronage by all stakeholders, which would in turn ensure the retention of personnel.

This is the first FPSO project post the NOGICD Act. What have been the unique challenges you have grappled with?

The Egina FPSO Project is highly specialised and the NOGICD Act prescribes that a minimum of 80 per cent of the man-hours to be expended on Detailed Engineering in Deep Offshore Facilities - Hull and Topsides were to be expended in-country. It was extremely challenging to get Nigerian engineers with requisite experience and expertise to undertake this segment of the work. We however appreciate the efforts put in by the Consortium of Nigerian Engineering firms contracted to execute these works and the innovative ways they employed to achieve completion.

Obstacles were also encountered in the development of our fabrication and integration facilities, as amongst other challenges we had to convert a green field swamp into a state-of-the-art fabrication facility. However, with our international experience and commitment, we were able to surmount these challenges.

What major investments did your company make to be able to deliver on this project?

Samsung Heavy Industries Nigeria has invested over \$300million in the development of our fabrication and integration facility in our SHI-MCI FZE yard. Some of the key features of this facility include: Yard area of 121,000m², Assembly shop 6,300m², Assembly yard 7,200m², Fully enclosed painting shop 4,500m², Warehouse 1,979m², Quay wall 502m, Water depth of 11.5m and Heavy lifting capacity up to 5,000MT. The current installed capacity for fabrication is 10,000MT per year with provisions for expansion.

Aside from the monetary investment in the hardware, Samsung Heavy Industries Nigeria further invested immensely in providing the managerial, technical skill sets and manpower required to run the entire facility with the

"We have utilised specialised technological software uniquely developed by Samsung Heavy Industries and brought in world-class experts in construction of deep offshore facilities, who have passed on their skills and experience to the thousands of Nigerians that have been placed as their understudies."

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Egina FPSO currently moored at SHI Quayside, Korea



Welding Trainees' Graduation Ceremony from SHI-MCI's Welding Training & Qualification Centre.

We celebrate your completion of your training at **SHI-MCI FZE WQC**

infusion of highly skilled experts with unrivaled experience in deep offshore construction. This further required veritable investments in software acquisition and training.

We have also invested significantly in providing technical assistance to our local subcontractors in order to meet up with the project requirements in terms of quality and delivery.

Six modules of the Egina FPSO were fabricated in-country. How was this achieved successfully?

We were able to achieve this, primarily because of the successful development and management of our SHI-MCI FZE facility, which has a state-of-the-art workshop that enabled the successful fabrication of the modules, using the production process benchmarked from Samsung Heavy Industries with its proven track record in this industry.

We simply adopted the processes from engineering, production planning, technology utilisation and maximising the manpower available. It is a sophisticated project execution process that requires simultaneous integration of many different skill sets, maximum efficiency in the exclusive operation of the facility, importation of technology, skill and experiences such as the use of pancake construction methodology, latest welding processes, latest dimension control, highly developed project management skills and training.

Overall, the fabrication and integration of the six modules in-country is a testament to the great potential discovered locally. Samsung Heavy Industries Nigeria committed fully to the use of local subcontractors and suppliers. Our strategic vendor development initiatives also fostered quality and timely delivery. Finally, with the cooperation of Total, the subcontractors, vendors and government agencies, all worked as a team to make it happen.

The Egina project, particularly the FPSO integration, has become the benchmark for future deep water projects. What new things can your company do in forthcoming deep water projects?

The fabrication and integration facility is of course now fully functional. We have demonstrated

that we can handle complex engineering and fabrication jobs in-country. The immediate benefit accruable is that a greater scope of any future FPSO topside modules and other offshore related facilities can be executed by us in-country.

What other challenges do you envisage before the end of the project?

We are in the process of bringing in the Egina FPSO into the country for the integration and commissioning work. This will involve the towing of the FPSO through the international shipping lane to berth at the SHI-MCI quay wall.

We foresee an increased interface with government agencies. We have received and are counting on the continued cooperation and proactive support of the relevant agencies in facilitating the smooth entry, integration and commissioning of the FPSO.

Postscript

Samsung Heavy Industries Nigeria considers its investment in Nigeria as a good economic decision.

We wish to use this opportunity to reiterate our commitment to partnering with the Board and other stakeholders to achieve the objectives and targets of the NOGICD Act in particular and consequently enhance the place of Nigeria as the destination of choice for oil and gas construction expertise in the sub-region.

In view of the massive investment we have made within the duration of our short stay in Nigeria, we would crave the indulgence of the Board to facilitate efforts that will ensure that the aforementioned facilities are maximally utilised.

We are here for the long haul.

“Fabrication and integration of the six modules in-country is a testament to the great potential discovered locally. Samsung Heavy Industries Nigeria committed fully to the use of local subcontractors and suppliers. Our strategic vendor development initiatives also fostered quality and timely delivery. Finally, with the cooperation of Total, the subcontractors, vendors and government agencies, all worked as a team to make it happen.”

From traditional to formal

Evans Akere, CEO, Vanskere, a clothier, exudes confidence on the potential of Nigeria's traditional clothing in the modern setting.

Your business has blossomed in the last few years. How were you able to overcome the rough and tumble of business?

In Nigeria, we have challenges that are unique to us. We have been managing erratic power supply over the years. Same for infrastructure deficit. Highly skilled workers are not readily available and the capital for expansion is also an issue. Passion, drive and the grace of God have helped us to manage these challenges.

You focus almost exclusively on male fashion. Why the special interest in men's wears?

I started with male and female designs. Along the line, I discovered that I was more interested in the male line. I was using myself as a model initially. I mostly created things that I liked to wear, which explains why I was drawn to the men's line.

You keep adding new, modern lines to Nigerian traditional wears. What inspires you to go in this direction?

Doing regular things may not attract many people to your brand. What we try to do is to diversify. Just as the Vanskere brand is urban-African brand that does not mean we should keep it all native. Though it's African, we still try to infuse some



Evans Akere

and designs at first. But I took to another level after a while, experimenting with bright colours. The reception has been awesome.

How challenging is it for designers to keep freshening up their designs to meet this growing need for Nigerian designs?

We have to keep up with the pace at which fashion is evolving. Adding the Western feel to our traditional designs and making them look formal but yet comfortable is very important in meeting the growing need for Nigerian designs.

No other traditional attire has enjoyed the success the Niger Delta shirt and trousers enjoy. What can be done to Nigerian attires to bring them into the formal environment?

Until we are able to create something that will topple the Southsouth designs, these designs will continue to be relevant. This is because the designs give the formal and casual feel, depending on how they are worn.

What is the future of the suit and tie in Nigeria?

I will like to keep my feeling about this to myself. This is because I have got a lot of friends in the industry who love suit and tie, before they think I want to run them out of their business. But, let us just wait, watch and see how it goes.

Do you have plans to take your designs outside of Nigeria?

Of course! Although we don't have a store outside the country yet, we've got plans to establish our business abroad.



Western style into it. That way, it becomes trendy and unique.

The ceremonial shirt and trousers popular in the Niger Delta region has been transformed into formal clothing. What do you think inspired the transformation?

In Nigeria the President always has a way of influencing men's fashion. Every President has his style. During (President Olusegun) Obasanjo's administration, he helped the fashion industry a lot when he banned the importation of wares. Then when Dr. Goodluck Jonathan became President, he came with the Niger Delta style. Not many people appreciated the Niger Delta style until President Jonathan's time. The unique thing about the Niger Delta style is that it can be accessorised to give a formal feel. You can wear it to work, party and anywhere and not feel out of place.

In adding soft touches to cloths, which colours appeal to you?

I love bright colours. I'm inspired by bright colours. I don't really have a favourite colour. But most of my clients have told me that I design fantastically with the blue colour. I'm beginning to think that maybe I really fancy the blue colour.

What has been the reception to your designs?

It has been awesome because I started doing conservative clothes



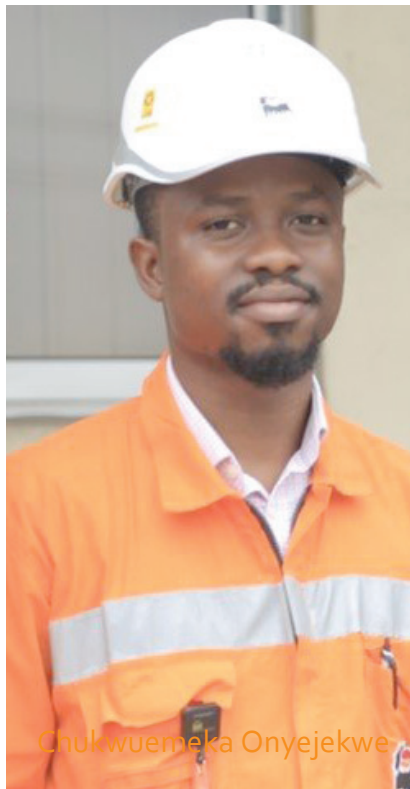
HCD training and Chukwuemeka's lifetime opportunity

Chukwuemeka Onyejekwe, a Mechanical Engineering graduate from the Federal University of Technology, Owerri recalls when a friend told him about NCDMB's Human Capacity Development Initiative (HCDI) training. He initially doubted the authenticity of the scheme. You wouldn't blame him. There are all kinds of employment schemes with very attractive offers but later turn out to be the opposite of what they appeared to be.

Nonetheless, he logged on to the NOGICD Joint Qualification System (NOGICJQS) via the website of NCDMB (www.ncdmb.gov.ng) where he created an individual account. "I received an email notification inviting me for a screening. This comprised a written test and an oral interview. Within three weeks, I was contacted on my success at the exercise and the opportunity to be exposed to the world-class training managed by Saipem Nigeria," he said.

Chukwuemeka was engaged in the HCD training for Chevron Nigeria Limited's Oloro Creek Restoration Project awarded to Saipem Contracting Nigeria Limited. He joined 30 other young Nigerians who were also beneficiaries of the scheme.

The HCDI training has a simple methodology: NCDMB selects unemployed Nigerians via its NOGICJQS online database. After rigorous screening and interview, successful candidates are placed on ongoing projects in the oil and gas industry where they acquire hands-on-skills through a mixture of on-the-job and classroom training. Trainees are also



Chukwuemeka Onyejekwe

paid monthly stipends to support them throughout the duration of the exercise.

Upon completion, the trainees receive standard industry certifications. These give them a competitive edge when seeking employment within the industry. In some cases, exceptional trainees are retained as permanent employees by the companies.

While on the training, Chukwuemeka participated in three months' intensive class work and nine months on-the-job training. The classroom training

comprised courses, such as Project Management, Entrepreneurship Development, Engineering Design, Multicultural Team Building as well as core disciplinary courses for Electrical and Instrumentation, Piping Engineering, Quality Assurance and Quality Control and Project Control, among others.

On the practical front, he worked under the supervision of an experienced Saipem Discipline Lead. On completion of the training, the Imo State indigene received certificates on Project Management, Engineering Design Applications and Piping Engineering. He confessed that he might not have been exposed to such experience at that stage of his career but for the HCD scheme.

When the programme ended in 2013, Chukwuemeka and 26 other trainees were retained by Saipem Nigeria. An additional two were engaged at a later date.

He attributes his engagement to Saipem's unique approach of "developing capacity and going further to sustain the capacity developed", particularly one with a strong potential for value addition.

He currently works as a Nigerian Content Coordinator for Saipem Nigeria on the Southern Swamp Associated Gas Solution (SSAGS) project, where he helps the company with the translation, implementation and compliance monitoring of project with Nigerian content commitments as referenced in the NOGICD Act, 2010 and Contract, with interface across the key stakeholders, such as the client, Shell Petroleum Development Company and the NCDMB.

— Bashir Ahmed

The HCDI training has a simple methodology: NCDMB selects unemployed Nigerians via its NOGICJQS online database. After rigorous screening and interview, successful candidates are placed on ongoing projects in the oil and gas industry where they acquire hands-on-skills through a mixture of on-the-job and classroom training. Trainees are also paid monthly stipends to support them throughout the duration of the exercise.

Weddings/Dedication



Mr. Makera Mac-Inegite, an officer in the Audit Division of NCDMB, wedded his heartthrob, Miss Jennifer Ebiakpo Akpoyibo February 25th 2017, at the Tower of Deliverance Gospel Ministry Inc., Yenagoa, Bayelsa State.



Dr. Ademola Kaka, an officer in the Projects and Operations Division of NCDMB and his bride, Miss Damilola Adefemi got married March 11, 2017, at Darlington Hall, Ilupeju, Lagos State.



Mr. Ifeanyi Nwokemodo, an officer in the Public Affairs Division of NCDMB and Mrs. Jessinta Nwokemodo marked the dedication of their daughter, Khloe-Angela/Adaora February 25, 2017, at the Charismatic Renaissance International Church (CRIC), Yenagoa, Bayelsa State.

Appointments



Mr. Isaac Yalah
*Director,
Finance and Personnel
Management*

Isaac transferred his service to the Board in June 2017 from the Nigerian Social Insurance Trust Fund (NSITF), where he was the General Manager, Investment and Treasury Management. He holds a Bachelor's degree in Chemistry and Education (First Class Honours) from the University of Ibadan and an MBA in Financial Management from the Federal University of Technology, Owerri; General Management Certificate from IMD Business School in Lausanne, Switzerland, certificate in Negotiation from Harvard Law School and Oxford University, respectively. He is also a fellow of the Chartered Institute of Financial & Investment Analysts of Nigeria and a Certified Change Manager with over 25 years of private and public sector working experience, which includes multi-varied areas of banking operations.



Engr. Abayomi Bamidele
*Senior Technical
Assistant to ES &
General Manager,
Strategy & Special
Projects*

Bamidele studied Mechanical Engineering at the University of Nigeria, Nsukka and has over two decades of experiences in the manufacturing, and oil and gas industries. He has worked in Shell Petroleum Development Company of Nigeria Limited (SPDC) in various positions within and outside the country with roles in Commissioning, Operations, Maintenance, Process Engineering, Project Engineering, and Business & Government Relations. His last role prior to joining NCDMB on secondment in 2017 was in Shell's Business & Government Relations function where he led a team of Business Advisers in the Joint Venture Business Relations team responsible for securing partners' approval for budgets, cost performance recovery and contacts.



Engr. Iwhiwhu Maurice Kelly
*Manager, Human
Capacity Development*

Maurice joined the Board on secondment from Shell Petroleum Development Company of Nigeria Limited (SPDC). The former Nigerian Content Development Adviser at SPDC holds a first degree in Mechanical Engineering and a Masters in Energy and Petroleum Economics. He is an experienced oil and gas professional with proven track record in Engineering, health safety and environment, supply chain and local content.

LEAP, a local content model for sustainable economic development in Nigeria

The oil industry went through a turbulent phase with the crash in oil prices. The impact in Nigeria was amplified by the Niger Delta crises and the resulting recession. Costs spiralled out of control, contractors were not paid for many months and the Nigerian service industry, sitting squarely at the bottom of the industry food chain, became the proverbial “whipping boy”. The panic solution was to embrace “slash and burn” cost-cutting, which resulted in abandoned contracts, the rise of mushroom middlemen and hybrid in-house service companies, with little impact on cost reduction and the larger economy.

Moreover, the industry has become more competitive in Africa. Six of the top 10 oil and gas discoveries in the last two years were in Africa and more than 500 companies are now exploring across the continent (source: pwc). It has become imperative for Nigeria to pursue a more coherent industry-wide strategy to attract investment and sustain the growth of the economy. The “LEAP” model links local content and entrepreneurship with policy, captured by the acronym, “L.E.A.P”. LEAP stands for (L) Leverage core competencies through local content (E) Entrepreneurship (A) Alignment of public policies with long-term economic interest and (P) Pattern infrastructure investment on proven cluster development models.

Leverage core competencies through local-content

Low-cost manufacturing drives China’s economy, India’s GDP growth is powered by ICT and education, Brazil and Russia have energy resources and technology, which have translated into economic benefits. Therefore, leveraging Nigeria’s existing local content core competencies should be the priority for the oil industry and wider economy. The Nigerian service industry has competences in drilling services, engineering and fabrication, support and logistics, carbotage, among others. Support for these low-hanging fruits will drive sustainable investment and economic development during this period of low oil prices.

Entrepreneurship is key to economic growth

Entrepreneurship support through capitalisation and capacity building empowers economic growth for the rest of the country. Citibank economists William Buiter and Ebrahim Rahbari in their study, titled: *Global Growth Generators: Moving Beyond ‘Emerging Markets’ and ‘BRIC’*, investigated the likely future sources of global economic growth between 2010 and 2050. They came up with 11 global growth generators or the so-called 3-G countries. Nigeria is the Number One ranked 3-G country. The other top 10 3G countries are Bangladesh, China, Egypt, India, Indonesia, Iraq, Mongolia, Philippines, Sri Lanka and Vietnam.

The authors assert that the taxonomy of potential growth-driver countries possesses only three core categories for sustained economic growth: (1) initial conditions and the external environment (2) institutions and (3) policies. In the case of Nigeria, local content and investment-support by institutions like the NCDMB provides the public-policy mix that will move us towards sustained economic development.

Aligning Public Policy with long-term Economic Interest

Long-term economic growth is hinged on the alignment between public policies and investment strategy. For example, Nigeria is the top electric-generator importing country in Africa, accounting for over 20 per cent of portable generating-set imports into the continent (Source: AOAG). Yet, the same country flares over a billion standard cubic feet of gas. Another example is the situation where it is cheaper to import finished fabricated steel vessels used in the oil industry, compared to importing the raw steel required to fabricate such vessels in-country. Resolving such policy-mismatches will stimulate investment in manufacturing and infrastructure.

Pattern long-term infrastructure on proven cluster models

We do not need to “reinvent the wheel” while implementing investment initiatives and policies. Cluster-development models can be applied unashamedly in Nigeria, just like the Chinese and other Asian tigers have



The Nigerian service industry has competences in drilling services, engineering and fabrication, support and logistics, carbotage, among others. Support for these low-hanging fruits will drive sustainable investment and economic development during this period of low oil prices.

done successfully in the last 30 years. One of such models is the development of petrochemical processing clusters, which evolved rapidly into beehives of mass employment, entrepreneurship, innovation and GDP acceleration for the countries that adopted them.

The Malaysian East Coast 30 years ago was a near-perfect mirror of Nigeria’s Niger Delta today with unemployment, environmental issues and limited investment, while serving as the major hub for oil export from the country. Through deliberate policy initiatives, coupled with private sector engagement, that area was transformed into one of the wealthiest parts of Malaysia in less than 30 years. Poverty was resultantly slashed on the Malaysian East-coast from 49 per cent in 1973 to less than five per cent today. The proposed Niger Delta Energy Corridor offers a similar opportunity for gas and power infrastructure, petrochemical and refining projects as well as industrial support centres for the oil industry.

Engr. Emeka C. Ene, CEO of Oil Data Energy Group, was Chairman of the Petroleum Technology Association of Nigeria (PETAN).

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