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Nigeria Energy Leadership Summit 2023

Post-event proceedings

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Overview

The Nigeria Energy Leadership Summit occurred from 19 – 21 September, 2023 at the Landmark Centre in Lagos. The summit brought together more than 650+ senior sector leaders working in Nigeria’s power sector and the broader energy value chain of West Africa.

Distinguished leaders from utilities, ministries, academia, and consultancies engaged in a comprehensive discussion of the current state and future of the country’s power sector. Other West African countries and regional concerns were also covered. The three-day Summit featured 20+ panel discussions, speeches and keynote addresses.

Power sector experts discussed industry opportunities, challenges, and advancements in legislation, policy, strategy, and technology. They proposed desired outcomes and recommendations.

This report provides summaries and key outcomes/takeaways for each of the sessions. These are organized in sequential order below.



Tuesday, 19 September, 2023

OPENING PANEL

The Fifth Alteration Bill No. 33, Devolution of Powers (National Grid System) and the New Electricity Act 2023 – insights on the transformation of the power sector in Nigeria.

Moderator



Dr. Idowu Oyebanjo, CTO, FGN Power Company

Panelists



Dafe C. Akpeneye, Commissioner- Legal, Licensing & Compliance, Nigerian Electricity Regulatory Commission (NERC)



Ali Bukar Ahmad, GM- Regulations & Compliance, Transmission Company of Nigeria (TCN)



Folake Soetan, MD & CEO, Ikeja Electric



Adeola Sunmola, Partner, Udo Udoma & Belo-Osagie



Chima Ochi, Head, Legal Advisory & Contracts, Eko Electricity Distribution Company (EKEDC)



Engr. Godwin Emmanuel, Head of Generation, Sahara Power Group

Discussion Summary

The newly signed Electricity Act 2023 empowers States to regulate, generate, transmit, and distribute electricity within their domains. The session discussed the impact of the implementation of the Act on the existing power system in Nigeria. It highlighted what NERC, the regulator, is doing to facilitate a smooth transition to a decentralized power system and the governance framework to be put in place. Also, the session provided insights into what investors, sector players and consumers think about the implementation of this Act.

The panelists also discussed the implementation challenges and investment opportunities presented by the new legal frameworks. Dafe C. Akpeneye reinforced the need for a central regulator as it is indicative of a mature electricity market. He added that states establishing electricity markets must understand the technical constraints limiting transmission across states before bifurcating the market. Folake Soetan highlighted that the new act presents collaborative opportunities, allowing the DisCos to restructure

Tuesday, 19 September, 2023

their businesses as states adopt new regulations. She said that it also incentivizes them to work with clean energy companies to improve grid-tied renewable capacity. The panelists agreed that the new Electricity Act would attract investments into the sector. They, however, did emphasize the need for regulatory reliability and stability, which is key to improving investor confidence and private sector participation in the sector.

A consensus arose that the most important requirement to implement this Act is the push by the Honourable Minister of Power to develop the National Integrated Electricity Policy & Strategic Implementation Plan for the NESI. Also, collaboration by all relevant stakeholders is key.

Key takeaways

- A central regulator is required for a mature electricity market
- The new act presents collaborative opportunities for the DisCos to restructure their businesses as states adopt new regulations
- There is need for regulatory reliability and stability, which is key to improving investor confidence and private sector participation in the sector
- The National Integrated Electricity Policy & Strategic Implementation Plan for the NESI is imperative

KEYNOTE ADDRESS

Outlook and opportunities in the unbundled power generation and distribution sector

Speaker



Jitender Sachdeva, Group President, SkipperSeil Limited

Summary

Mr. Sachdeva praised the event organisers for their contribution to the Nigeria Energy sector over the past 10 years. He contrasted the potential of the Nigerian transmission sub-sector with that of Bihar in India – which was able to increase its power generation from 2000MW to 16,000MW through structured investment and privatization – and emphasised the role that the subsector plays in accelerating power capacity generation. Nigeria, he notes, is capable of such transformation.

SkipperSeil is a key player in the energy sector supporting the transmission, generation and distribution companies via key services including, the manufacture of batteries, energy storage systems, and transformers, and performing maintenance on key infrastructure like generators and transformers. Mr. Sachdeva noted that improving transmission capacity requires a multi-billion investment and he called on the government to lead the investment charge.

Key takeaways

- India offers an instructive example for Nigeria
- Nigerian transmission sub-sector can accelerate power expansion through structured investment and privatisation
- Improving transmission capacity requires a multi-billion investment and government to lead the investment

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CEO LEADERSHIP PANEL

What are the steps taken by DisCos to encourage investments, particularly those that are climate-driven?

Moderator



Dolapo Kukoyi, Managing Partner, Detail Commercial Solicitors

Panelists



Folake Soetan, MD & CEO, Ikeja Electric



Praveen Chorghade, MD/CEO, Enugu Electricity Distribution Company



Olajumoke Delano, Chief/Head Regulatory & Government Relations, Abuja Electricity Distribution PLC



Kofo Olawoyin, Chief Power Procurement and Regulatory Officer, Eko Electricity Distribution Company (EKEDC)

Discussion Summary

The panelists noted that in their organizations, they now consider sustainability and environmental responsibility in their investment decision-making. They highlighted that the off-grid sector – unserved customers in mainly rural communities – is the best opportunity for integrating clean energy into their network. The DisCos are partnering with off-grid developers to deploy interconnected solar mini-grids. For Instance, Abuja DisCo has two inter-connected mini-grid pilots which will serve as learning opportunities and inform its further clean energy developments. The DisCos also stated that they are investing in their network infrastructure to improve the capacity for clean energy integration. The DisCos are also building their human capacity – providing clean energy design and financial modeling training – which will enable them to design and develop feasible clean energy project pipelines that can be financed by investors.

Key takeaways

- CEOs now consider sustainability and environmental responsibility in their investment decision-making.
- The off-grid sector offers the best opportunity for integrating clean energy into the network
- DisCos are partnering with off-grid developers to deploy interconnected solar mini-grids
- DisCos are building their human capacity – providing clean energy design and financial modelling training

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PANEL DISCUSSION

Emission trading – New reforms in Africa?

Moderator



Dr. Eugene Itua, CEO, Natural Eco Capital

Panelists



Olaniyi James Ogunleye, Managing Director, Carbon-Limits Nigeria



Oche Agbese, Head, Gas Trading and NC, Gas Aggregation Company of Nigeria (GACN)

Discussion Summary

The panelists noted that the market opportunity is huge, as several projects can provide tradable carbon, especially in the voluntary carbon market. They highlighted the clean energy sector as a prime sector that can contribute to significant carbon emissions trading. For instance, incentivizing clean cooking via the introduction of clean cookstoves would lead to potential carbon trading from vegetation not mowed down. They, however, noted that there are some challenges, chief among them is the lack of awareness among stakeholders and the public. Awareness of the impacts and benefits of carbon-saving activities is essential to ensure that Nigerians can exploit the potential of carbon trading. Panelists also noted that there is a need for a localized continental carbon trading market that takes into account the challenges African nations face – notably the lack of accurate data. This they say will ensure that the emission trading processes would become less expensive and intensive for Nigerian companies and market participants.

Key takeaways

- The market opportunity is huge, as several projects can provide tradable carbon, especially in the voluntary carbon market
- The clean energy sector is a prime sector that can contribute to significant carbon emissions trading
- The awareness of the impacts and benefits of carbon-saving activities is essential to ensure that Nigerians can exploit the potential of carbon trading
- There is a need for a localized continental carbon trading market that takes into account the challenges African nations face – notably the lack of accurate data

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KEYNOTE ADDRESS

Electricity Standards – practices adopted in Nigeria for harmonization across country

Speaker



Engr. Aliyu Tukur Tahir, Managing Director/CEO, Nigerian Electricity Management Services Agency (NEMSA)

Discussion Summary

The session discussed NEMSA's role as the key main government agency saddled with electricity standards and regulations enforcement. NEMSA enforces standards and regulations developed by the Standards Organisation of Nigeria (SON) – to standardise and regulate product quality, and the Nigerian Electricity Regulatory Commission (NERC) – to develop electricity regulations and protect consumer interest. NEMSA's role is critical as the effective enforcement of regulations is key to mitigating electricity hazards.

NEMSA collaborates with these agencies to carry out their joint mandates. To enforce these regulations and standards, NEMSA employs a lot of resources nationwide, including chemical and engineering testing laboratories as well as adequate human resources including qualified personnel to carry out the testing. The session also highlighted NEMSA's statutory activities to reduce electricity hazards. These activities fall into 5 areas: assessing imported electrical equipment, monitoring existing networks, assessing installers' competency and skills, certifying electrical equipment, carrying out investigation of electrical accidents and safety performance rankings on installations.

Key takeaways

- NEMSA's role is critical as the effective enforcement of regulations is key to mitigating electricity hazards
 - NEMSA collaborates with agencies to carry out their joint mandates
 - NEMSA's statutory activities to reduce electricity hazards are in five areas
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Wednesday, 20 September, 2023

KEYNOTE ADDRESS

Grid Capacity Regional Control System

Speaker



Ali Bukar Ahmad, GM- Regulations & Compliance, TCN-Transmission Company of Nigeria

Discussion Summary

This session highlighted West African Power Pool's (WAPP)'s, work being done to integrate and harmonize electricity trading across the West African region. Mr Bukar noted that 13 of 14 mainland ECOWAS states are currently interconnected, with Guinea Bissau expected to be connected in 2024. In the power pool, there are currently 16 Transmission systems operators, eight energy Power Purchase agreement (PPA) sellers, 13 PPA buyers and eight bilateral agreements between countries. This marks a shift from the original solidarity model, where electricity is exported with no trade to a more market-based one.

The WAPP, he notes, has also synchronized two of its energy blocks with the third also expected to be synchronized in 2024. When this happens, all connected countries can trade electricity with each other. Mr Bukar also highlighted measures currently being taken to improve electricity trade including the development of the WAPP Information Control Centre (ICC) which promotes operational cooperation between transmission operators in the region and also facilitates actual day-to-day information sharing between other operational centres in the region. To ensure effective cross-border electricity trading, a regional grid code is being reviewed and when approved, it will supersede current regulations guiding interconnected electricity, facilitating the creation of an efficient market for the region.

Key takeaways

- There is a shift in the West African Power Pool from the original solidarity model, where electricity is exported with no trade to a more market-based one
- The WAPP has synchronized two of its energy blocks with the third also expected to be synchronized in 2024 allowing all connected countries to trade electricity with each other
- The WAPP Information Control Centre (ICC) promotes operational cooperation between transmission operators in the region and also facilitates actual day-to-day information sharing between other operational centers in the region
- To ensure effective cross-border electricity trading, a regional grid code is being reviewed

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COUNTRY SPOTLIGHT

Ghana

Opening Keynote



Hon. Andrew Mercer, Deputy Minister for Energy, Ministry of Energy, Ghana

Moderator



Lom Ahlijah, Managing Attorney, Integri Solicitors & Advocates, Ghana.

Panelists



Hanson Monney, Head- Power Generation and Transmission Unit, Ministry of Energy, Ghana



Lom Ahlijah, Managing Attorney, Integri Solicitors & Advocates, Ghana

Discussion Summary

Hon. Andrew Mercer highlighted Ghana's efforts to combat the trilemma of energy security, energy equity and environmental sustainability. He stated that Ghana now views energy security, equity and environmental sustainability as three destinations that need to be arrived at simultaneously.

Panelists noted that there is a need for a more diverse energy mix given the recent global developments that impact energy security. The Ghanaian government has committed to electrifying 200 islands and 2,000 lake-side communities, a move that will provide power to 1.5 million people. Ghana plans to utilize decentralized renewable energy resources to power hard-to-reach island communities. "Ghana's evolving power mix—characterized by a shift to renewables—has had a positive impact on energy security, energy equity, and environmental sustainability. However, continued efforts including policy support and infrastructure development are crucial to achieving a more balanced and sustainable energy sector that addresses the energy trilemma," Hon. Mercer stated.

Key takeaways

- The Ghanaian government has committed to electrifying 200 islands and 2,000 lake-side communities, a move that will provide power to 1.5 million people
- Ghana plans to utilize decentralized renewable energy resources to power hard-to-reach island communities

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PANEL DISCUSSION

Development of power across regional lines in West Africa

Moderator



Paschal Odinde, Lead, Membership & Partnership, Future Energy Leaders Network-Shell Nigeria

Panelists



Ali Bukar Ahmad, GM- Regulations & Compliance, TCN-Transmission Company of Nigeria



Hanson Monney, Head- Power Generation and Transmission Unit, Ministry of Energy, Ghana



Eyo Ekpo, Energy Lead-Transition Team, United Kingdom – Nigeria Infrastructure Advisory Facility (UKNIAF).

Discussion Summary

The panelists agreed that countries will have to integrate their grids to ensure optimal power supply across the West African region. Ali Bukar Ahmad noted that some projects are already being implemented to improve energy trade in the region. They include North Core—a 330 KV 853km from Nigeria to Burkina Faso, through Niger and the Côte d'Ivoire; Liberia–Sierra Leone–Guinea (CLSG) interconnection project—which will enable the LSG countries to import cheaper electricity from Côte d'Ivoire. Hanson Monney noted that Ghana is laying the groundwork to be a net exporter of power. In 2019, Ghana completed the Kumasi–Kintampo–Tamale–Bolgatanga Line, a 330kV 550km transmission interconnection line that facilitates the export of up to 50MW to Burkina Faso. Eyo Ekpo noted that the region has a natural mix of energy resources with huge potential. However, the region has not yet harnessed these resources. Panelists admonished policymakers across the region to develop a framework that prioritizes the development of resources peculiar to the different parts of the region.

Key takeaways

- The projects are already being implemented to improve energy trade in the region
- Ghana is laying the groundwork to be a net exporter of power
- The policymakers across the region should develop a framework that prioritizes the development of resources peculiar to the different parts of the region

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PANEL DISCUSSION

Funding opportunities – enhancing the nation's installed power capacity

Moderator



Josephine Udonsak, Partner, Dentons ACAS-Law

Panelists



Arsh Sharma, Senior Energy Specialist, World Bank



Benson Adenuga, Head of Office, and Coverage Director- Nigeria, BII West Africa Investments Ltd



Chido Onyilimba, Head, Origination & Structuring, Infracredit



Chris Okoro, MD/CEO, Eunisell Interlinked Plc



Emeka Okpukpara, Partner, Nextier Power



Godfrey Ogbemudia, Project Officer-Energy, and Circular Economy Green and Digital Economy Section, Delegation of the European Union to the Federal Republic of Nigeria & ECOWAS



Dr. Marcin Lapa, Partner at 7BC Venture Capital & President- Office of His Highness Sheikh Ahmed Al-Qassimi (Official)

Discussion Summary

The panelists highlighted the challenges currently facing the sector – including gas supply constraints, transmission bottlenecks, and the lack of cost-reflective tariffs. These challenges have made raising financing, from both local and international financiers almost impossible. Projects are often not bankable, do not align with investors'

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activities or the cost of debt is unaffordable for industry stakeholders. The panelists discussed the need for policies and regulations, both in the power sector and in the wider economy, to improve investor confidence in the sector. For instance, there is a need for clear enforcement of power sector contracts. Foreign companies need support to understand local market dynamics quickly and navigate local bureaucracies.

The panelists discussed the need to adopt models like public-private partnerships to facilitate investment. The government must also be willing to bear some of the risks associated with developing large-scale power projects, for example, construction and foreign exchange risks. To create a conducive and attractive environment for investments, the panelists agree that the government must address the constraints currently plaguing the sector and wield its political will in enforcing market rules. The regulator also needs to enforce the regulations. Consistent policies are necessary to ensure that investors with long-term (patient) capital can enter the sector.

Key takeaways

- The projects are often not bankable, do not align with investors' activities or the cost of debt is unaffordable for industry stakeholders
- The need for policies and regulations, both in the power sector and in the wider economy, is essential to improve investor confidence in the sector
- There is a greater need for clear enforcement of power sector contracts and to adopt models like public-private partnerships to facilitate investment
- Consistent policies are necessary to ensure that investors with long-term (patient) capital can enter the sector

PANEL DISCUSSION

Role of Natural gas as a transition fuel in achieving a net-zero economy

Moderator



Lom Ahlijah, Managing Attorney, Integri Solicitors & Advocates, Ghana

Panelists



Oladayo Williams, Program Executive, Tetracore Energy



Dr. Joseph Tolorunse, Authority Secretary, Legal Adviser, NMDPRA-Nigerian Midstream and Downstream Petroleum Regulatory Authority



Andrew Smith, Deputy Chief of Party, PA NPSP-Power Africa Nigeria Power Sector Program

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Panelists



Chiedu Ugbo, MD/CEO, Niger Delta Power Holding Company Limited



Jitender Sachdeva, Group President, SkipperSeil Limited



Peter Ikenga, MD/CEO, Transcorp Power Limited

Discussion Summary

The session discussed natural gas's role as a transition fuel. Given Nigeria's significant natural gas reserves, the country must harness its gas to ensure a balanced clean energy transition. There is also a need to ensure energy security via a healthy energy mix. As such, gas can serve as a source of reliable and potent energy, especially with increasing intermittent renewable energy addition to the mix. Gas can serve as an energy source for powering industrial and economic development. However, it is also important for the sector to manage the environmental and social implications associated with natural gas utilization and ensure a responsible and sustainable transition toward a net-zero economy.

Key takeaways

- Gas can serve as a source of reliable and potent energy, especially with increasing intermittent renewable energy addition to the mix
 - It is important for the sector to manage the environmental and social implications associated with natural gas utilization
 - It is important to ensure a sustainable transition toward a net-zero economy
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Leveraging Electricity Act 2023 to Deepen Power Sector Reform in Nigeria

Speaker



Dr. Idowu Oyebanjo, CTO, FGN Power Company

Discussion Summary

This session highlighted the ways the implementation of the Electricity Act 2023 will revolutionise the Nigerian Power Sector. Dr Idowu highlighted the key features of the Act including the development of a Strategic Implementation Plan and the unbundling of TCN into TSP and ISO. He also noted that the Act will have an impact on the shareholding structure of the utilities, and spur investments in metering and network infrastructure. He also noted and advised state governments on the need to establish their electricity markets. Dr Idowu concluded by highlighting the role collaboration among stakeholders will play as well as integrated resource planning for electricity supply.

Key takeaways

- The Electricity Act 2023 will revolutionise the Nigerian Power Sector
 - The key features of the Act include the development of a Strategic Implementation Plan and the unbundling of TCN into TSP and ISO
 - The Act will have an impact on the shareholding structure of the utilities, and spur investments in metering and network infrastructure
 - The state governments are advised to establish their electricity markets
-

Thursday, 21 September, 2023

KEYNOTE ADDRESS

Strengthening the nation's off-grid sector: An REA perspective

Speaker



Ahmad Salihijo Ahmad, Managing Director and CEO, Rural Electrification Agency (REA)

Discussion Summary

Mr Salihijo emphasized the role of the REA in improving off-grid electrification and promoting clean energy. He noted that the REA works with multilateral institutions and donor organisations that provide technical assistance to strengthen its institutional capacity. Mr Salihijo noted that the REA "have deployed over 1.5 million solar home systems and over 500 mini-grids across rural communities in the country." He also added that the REA is working with the regulator to update the mini-grid threshold from 1MW to 5MW. This will facilitate more investments, especially from larger clean energy developers.

Key takeaways

- The REA has deployed over 1.5 million solar home systems and over 500 mini-grids across rural communities in the country
 - The REA is working with the regulator to update the mini-grid threshold from 1MW to 5MW
 - The REA is seeking to facilitate more investments, especially from larger clean energy developers
-

Thursday, 21 September, 2023

X- raying Nine (9) solution-driven priority areas to accelerate financing towards clean energy transition in Nigeria and Africa

Speaker



Prof Chidi Magnus Onuoha, Rector, Asteven Energy Institute (President, Governing Council- Renewable Energy and Energy Efficiency Associations Alliance (REEEAA))

Discussion Summary

The session highlighted the role of the private sector in accelerating clean energy delivery in the country. Prof. Magnus proposed solutions to some of the key issues hindering access to financing for private-sector clean energy players. One key issue he raised is the lack of technical assistance and capacity in various segments of the value chain and the need for support for companies to enable them to scale.

He noted that while solar is expanding, there is a need to leverage other sources like natural gas to bolster the energy transition. He also called on the government to offer the local players the right to first refusal for deploying utility-scale solar projects. This he says will promote collaboration among and growth of the local clean energy companies. He also called on the government to facilitate the production of green hydrogen in the country.

Key takeaways

- There is lack of technical assistance and capacity in various segments of the value chain and a need for support for companies to enable them to scale
 - While solar is expanding, there is a need to leverage other sources like natural gas to bolster the energy transition
 - The government should offer local players the right to first refusal for deploying utility-scale solar projects
 - The government should facilitate the production of green hydrogen in the country
-

Thursday, 21 September, 2023

FIRESIDE CHAT

Nigeria's Energy Transition Plan – How will it impact the power market?

Moderator



Ibi Ogunbiyi, Partner, Olaniwun Ajayi

Panellists



Dr. Segun Adaju, CEO, Consistent Energy



Chukwuka Okoli, CEO, PawaVest



Prof Chidi Magnus Onuoha, Rector, Asteven Energy Institute (President, Governing Council- Renewable Energy and Energy Efficiency Associations Alliance (REEEAA))

Discussion Summary

The panelists discussed the need for integrating sustainability in energy project planning and development. They also highlighted the need to focus on developing productive power capacity – capable of fuelling industry and employment. They also discussed the need to distill the ETP, which is a high-level roadmap into smaller easily implementable policies. This the panelists say would enhance the development of adequate decarbonisation policies and aid their implementation. They also highlighted the need for the government to lead and create the enabling environment that would allow the private sector to participate – as the government cannot finance the bulk of the projects needed to meet the transition targets. The government must help build the market and utilize its development finance institutions like the Bank of Industry (BOI) to catalyze private sector funds.

Key takeaways

- There is a need to distill the ETP, which is a high-level roadmap into smaller easily implementable policies, to enhance the development of adequate decarbonization policies
- There is need for the government to lead and create an enabling environment that would allow the private sector to participate
- The government should utilize its development finance institutions like the Bank of Industry (BOI) to catalyse private sector funds

Thursday, 21 September, 2023

Leveraging the power of digital technology to deliver value to customers

Keynote



Engr. Barnabas Gwaivangmin, FNIEEE, National Vice Chairman – Power, The Nigerian Institute of Electrical and Electronic Engineers (NIEEE)

Discussion Summary

This session emphasized the transformative potential of digital solutions in enhancing the electricity customer experience. The discussion highlighted the importance of utilizing advanced technologies including smart meters, remote monitoring, data analytics, and mobile payment services to address the electricity distribution and market liquidity challenges. Leveraging digital technologies to perform real-time monitoring, efficient billing, and grid management improves customers' control over their energy consumption as well as transparency and accountability in the sector. Panelists highlighted that success is dependent on effective sectoral collaboration between government agencies, utilities, technology providers, and consumers. Ultimately, adopting digital technology solutions will contribute to a customer-centric Nigerian electricity supply industry that meets customer's needs and also improve the overall operational efficiency of the market.

Key takeaways

- Utilizing advanced technologies including smart meters, remote monitoring, data analytics, and mobile payment services is important to address the electricity distribution and market liquidity challenges
 - Leveraging digital technologies to perform real-time monitoring, efficient billing, and grid management will improve customers' control over their energy consumption as well as transparency and accountability in the sector
 - Adopting digital technology solutions will contribute to a customer-centric Nigerian electricity supply industry
-

Thursday, 21 September, 2023

FIRESIDE CHAT

Latest updates on smart electricity metering

Moderator



Dr. Yemi Oke, Professor of Energy/Electricity Law, University of Lagos

Panellists



Engr. Ademola Isaac Agoro, FNSE, MD/CEO, Protogy Global Services Limited, Vice President Collaboration and Linkages, Nigeria Society of Engineers (NSE)



Oritsetimeyin Victor Grage, Head- Projects, MOJEC Global

Discussion Summary

This session provided insights into the current metering landscape and evolving metering technologies and their impact on power supply efficiency. Smart meters are critical to modernizing power distribution systems in Nigeria. These meters enable real-time data collection, remote monitoring, and transparency in energy use. They are beneficial to not only utilities but also the customers as they provide consumers with insights into their energy consumption patterns. Smart meters would also help mitigate liquidity issues by improving collection efficiency and reducing electricity theft. Adopting widespread deployment of smart meters across the country will modernize the electricity sector, promote sustainability, and meet the country's growing energy demand.

Key takeaways

- Smart meters are critical to modernizing power distribution systems in Nigeria – They enable real-time data collection, remote monitoring, and transparency in energy use
- Smart meters are beneficial to not only utilities but also the customers as they provide consumers with insights into their energy consumption patterns
- Smart meters would help mitigate liquidity issues by improving collection efficiency and reducing electricity theft

Thursday, 21 September, 2023

Sustainability of grids

Moderator



Engr. Lucas Istifanus Ibrahim, Member- NIEEE- The Nigerian Institute of Electrical and Electronic Engineers, Principal Engineer/Adjunct Lecturer- The University of Jos, Nigeria

Panellists



Ayodeji Ademilua, President, Renewable Energy Association of Nigeria (REAN)



Olamide Niyi-Afuye, CEO, Africa Minigrid Developers Association (AMDA)



Tolutope Dada, Director of Business Development, Havenhill Synergy Ltd

Discussion Summary

The Nigerian grid opens up a world of opportunity for all. The session discussed the need to harness all forms of energy into the grid and also close the gap that exists between renewables and conventional energy sources. Integrating modern technology presents another opportunity for investors to make the grid sustainable. Panellists also emphasised the need for funding from all industry stakeholders and financiers to create the desired sustainable grid Nigeria needs.

Key takeaways

- There is need to harness all forms of energy into the grid and also close the gap that exists between renewables and conventional energy source
- There is need for funding from all industry stakeholders and financiers to create the desired sustainable grid Nigeria needs

Thursday, 21 September, 2023

Green building decarbonization projects in commercial and industrial sectors

Speakers



Omoyemi Olayiwola, Director, Policy and Advocacy, Green Building Council Nigeria



Prince Ojeabulu, Chief Executive Officer, Rensource Energy

Discussion Summary

This session discussed the need to limit carbon emissions in the construction and industrial sectors in line with the Energy Transition Plan. Adopting green building practices is key to significantly reducing the environmental impact of commercial and industrial structures. The session discussed the need for developers to adopt innovative decarbonization strategies including utilizing energy-efficient designs and integrating renewable energy in their projects. The role of the government as essential to paving the way for the decarbonization of these sectors was discussed. The cost benefits for the customers and the job creation and social benefits of adopting green building initiatives for the Nigerian economy were also discussed.

Key takeaways

- There is a need for developers to adopt innovative decarbonization strategies including utilizing energy-efficient designs and integrating renewable energy in their projects
- The role of the government is essential to paving the way for the decarbonization of these sectors
- There are cost benefits, job creation, and social benefits of adopting green building initiatives

Thursday, 21 September, 2023

Capacity Building strategies and Energy Transition strategies for empowering Nigeria.

Speaker



Ahmed B. Nagode, Director-General, The National Power Training Institute of Nigeria (NAPTIN)

Discussion Summary

Capacity building plays an essential role in driving the country's energy transition. To meet our decarbonization targets there is an urgent need for skilled professionals that can meet the technological demands of an evolving energy landscape. NAPTIN continues to employ comprehensive training and capacity-building strategies to enhance the human resource capacity in Nigeria. By fostering partnerships with other government agencies, academic institutions, industry stakeholders, and international organizations, NAPTIN continues to create a training framework that assures improved learning and skill development that translates to a knowledgeable and prepared energy sector workforce.

Key takeaways

- NAPTIN employs comprehensive training and capacity-building strategies to enhance the human resource capacity in Nigeria
 - NAPTIN fosters partnerships with other government agencies, academic institutions, industry stakeholders, and international organizations
-



Nigeria Energy 2023 Show Highlights

With 4 halls and 4,413 sqm to cover over 3 days, you might have missed a few things. Catch all the major highlights from Nigeria Energy 2023 and relive what went on at the event.

Day 1



Day 2



Day 3



We are delighted to welcome you at Nigeria Energy 2024!



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