



African Utility Week 2017

Programme

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Key Note Address

Auditorium

The world is talking about the fourth revolution What opportunity and challenges does this bring to Africa and the energy and water nexus?

09:30 - 11:30

On the couch are top thought leaders, economists and futurologists from around the world who will give their predictions and outlook on how the revolution, the digital age and climate change will impact what we know as our energy world today.

09:30 - 09:40

European Union Welcome Address

Amb. Trine Rask Thygesen, Danish Ambassador to South Africa, South Africa

09:40 - 09:50

Host Utility Welcome Address

Matshela Koko, Acting CEO, Eskom, South Africa

09:50 - 10:05

Host Utility Welcome Address and Ministerial Introduction

Ben Ngubane, Board Chairman, Eskom, South Africa

10:05 - 10:20

Ministerial Welcome Addresses

Hon. Lynne Brown, Minister of Public Enterprises, Republic of South for Africa*

10:20 - 11:30

Thought leader interviews

- How will the flow of money change in the future?
- What is the impact of global climate change on Africa's power and energy sector?
- Going digital: How are technologies creating benefits and efficiencies for power and water sectors?

Interviewer:

Bonney Tunya
Presenter, CNBC – Africa, Kenya

Interviewees:

James Stewart
Global Head of Major Projects (Power & Utilities), KPMG, UK

Lionel Zinsou
Former Prime Minister, Benin

Lazarus Angbazo
CEO, Energy Connections Business, GE, Sub-Saharan Africa

Generation Track - Vanessa Snyman

SESSION 1.2 - Room:1.4.3/4

Planning the optimal energy mix – improving integrated resource and resiliency planning for generation

Moderator:

Vanessa Snyman

Associate Director - Infrastructure and Major Projects, KPMG, South Africa

13:30 - 14:00

How is South Africa planning and predicting their future power demand?

Thabane Zulu, Director General, Department of Energy, South Africa*

14:00 - 14:45

Panel: What is the best-cost and optimal mix in Africa? Regional and individual perspectives

- How can utilities optimise their generation portfolio with special consideration to technology pricing, future demand and cost competitive renewables?
- How to best manage resiliency generation planning?

Speakers:

Tobias Bischof-Niemz

Head of the CSIR Energy Centre, CSIR, South Africa

Emanuele Taibi

Power Sector Transformation Strategies, IRENA, Germany

Maduna Ngobeni

Head Regional Co-operation & Integration, Independent Power Producer Office, South Africa

Prajeev Rasiah

Regional Manager North West Europe, Middle East & Africa, DNV GL Energy, UK

Dapo Akinosun

Advisor to the Vice President's Task Force, Nigeria

Generation Track - Neil Morris

SESSION 1.2 - Room:1.4.3/4

Stimulating private sector investment: Best practice PPAs and PPPs for generation projects

Moderator:

Fernando Balderrama

Senior Investment Officer, Infrastructure Finance & PPP,
Private Sector Operations, AfDB, South Africa*

15:15 - 15:35	Structuring a successful PPA: how to make it bankable: Valérie Levkov, Executive Vice-President Africa & Middle East, EDF, France
15:35 - 15:50	How can IPPs in the energy sector account for community investment? Neil Morris, Director, KPMG, South Africa
15:50 - 16:20	Panel: Identifying the factors that contribute to a winning PPA - Derisking projects: How can Utilities and Municipalities be offtakers? - How is competitive bidding a method to secure the lowest-cost, transparent approach to generation expansion? - What are the best examples of where PPPs have worked? Speakers: Richard Doyle CEO, Mulilo Energy Partners, South Africa Owura K. Sarfo CEO, Millennium Development Authority (MiDA), Ghana Fransje Van Der Marel Partner, McKinsey, South Africa
16:20 - 16:30	Concluding the best practices for successful PPAs and distribution of handbooks Mohamed Rali Badissy, Senior Attorney for Energy and Finance, Power Africa, SA

Water Track - Antonino Manus

SESSION 1.2 - Room: 1.6.1/4

Effective solutions to water pricing and its implications on operational recovery

Moderator:

Krish Kumar

Chief Financial Officer, eThekweni Municipality, South Africa

15:15 - 15:30

Israel's water governance success story ; Hon Arthur Lenk, Israel's Ambassador to South Africa, Embassy of Israel to South Africa

15:30 - 15:45

Responding to rising costs in ageing infrastructure and new regulatory requirements; Antonino Manus, Associate Director, KPMG, SA

15:45 - 16:30

Water pricing: who is picking up the cheque?
Defining full cost pricing and the value of water
Establishing a platform for the independent regulator to improve economic regulation across the water value chain
How do you provide a greater transparency on raw water pricing?
Wastewater compliance affordability
What incentives, tariff structures, and campaigns are required to address the above

Speakers:

Matshidiso Nyembe
Chief Financial Officer, Randwater, SA

Antonino Manus
Associate Director, KPMG, SA

Conwell Chadya
Chief Financial Officer, Namibia Water Corporation, Namibia

Leonardo Manus
Chief Chief Director: Infrastructure Operations & Maintenance,
Department of Water Affairs, South Africa

Peter Bhembe
Managing Director, Swaziland Water Services Corporation,
Swaziland*

Day 1 Close and Drinks Reception

Finance and Investment Track - Kevin Hoff

WORKSHOP 1 - ROOFTOP TERRACE

De-Risking Renewable Energy investment: clean energy and sustainable finance

Moderator:

Henning Wuester

Director of the Knowledge, Policy and Finance Centre (KPFC),

The International Renewable Energy Agency, (IRENA), UAE

13:30 -13:40	How de-risking tools can improve access to innovative financing and risk management solutions Henning Wuester, Director of the Knowledge, Policy and Finance Centre (KPFC), IRENA, UAE
13:40 -13:50	Off-taker risk, regulatory risk, standardization. Experience with GET Fit and the next steps Jan Martin Witte, Director, KfW Development Bank, South Africa
13:50 -14:00	Understanding of risks and their pricing – how can the supply of long-term local currency financing and hedging be improved? Harald Hirschhofer, Senior Advisor, The Currency Exchange Fund (TCX), The Netherlands
14:00 -14:10	All that from the perspective of a commercial bank Rentia van Tonder, Head of Power, Standard Bank, South Africa
14:10 -14:20	All that from the perspective of a developer Matteo Brambilla, MD Africa and Middle East, Building Energy, South Africa
14:20 -14:30	Realistic expectations of costs, benefits and accounting implications related to de-risking using derivatives Kevin Hoff, Director, Financial Services, KPMG, South Africa

Revenue Cycle & Metering Solutions Track - Santhuri Thaver

SESSION 1.1 - ROOM: 2.6.1/3

Reaching a financially viable electricity sector

Moderator:

Mark Carrato

Chief of Economic growth and power, USAID, Kenya*

13:30 -13:50

World bank report on the mechanism for reaching a financially viable electricity sector

Survival of the fittest: Re-assessing African utilities

Chris Trimble, Senior Energy Specialist, World Bank, USA

13:50 -14:05

Making financial savings across the power utility value chain

Wilfred Shereni, Revenue Assurance Manager, Zimbabwe Electricity Transmission and Distribution Company (ZETDC), Zimbabwe

14:05 - 14:45

Panel: Best practice for reaching a financially viable electricity sector

What technologies and software are available to support the energy sector? How can the utility accurately subsidize the end users to avoid loss? How can utilities commercialise and find alternative revenue streams? How do you ensure government entities pay their electricity bills? How do you challenge the perception that power is a social good?

Speakers:

Chris Trimble

Senior Energy Specialist, World Bank, USA

Wilfred Shereni

Revenue Assurance Manager, Zimbabwe Electricity Transmission and Distribution Company (ZETDC), Zimbabwe

Stefan Schwarzfischer

CEO, Botswana Power Corporation, Botswana

Abiodun Ajifowobaje

Former CEO, Ikeja Electricity Distribution Company, Nigeria

Selestino Babungi

Managing Director, UMEME, Uganda

Santhuri Thaver

Senior Manager: Deal advisory & Infrastructure, KPMG, South Africa

CEO Forum - Ahmed Jaffer, DeBuys Scott, James Stewart

SESSION 2 - Closed session open to KPMG partners depending on seating availability

Infrastructure Trends for African Utilities in 2017

Moderator:

De Buys Scott

Head Infrastructure and Financing Africa, KPMG

15:15 - 16:45

De Buys Scott , Head of Infrastructure and Financing for Africa at KPMG will continue the debate on global infrastructure trends for Utilities with a specific focus on similar infrastructure trends for the Utilities in Africa. This discussion will focus on those infrastructure realities that currently demand the most attention from the Executives of the Africa utilities whether positive or negative .

CEO 's will have the opportunity to compare those trends most urgent or relevant to their business to the same scenario for other Utility heads , to query and question each other and to use this forum to debate their issues and to gain insights from a peer group on similar issues and trends.

17:00 - 19:30

CEOs at leisure

19:30 - 22:30

CEO Forum Dinner

Generation Track - Nyasha Muvirimi

SESSION 2.2 - Room:1.4.3/4

The potential of renewable Energy sources for utility scale generation

Moderator:

Nyasha Muvirimi

Senior Manager, Infrastructure & Financing Africa, KPMG, South Africa

15:15 - 15:30	Essential resources to fast track PV development Riaan Meyer, Managing Director, GeoSun, South Africa
15:30 - 15:45	Case study: Status and progress on Nigeria's utility-scale solar Erabor Okogun, Entrepreneur and Advisor, Nemoante, Nigeria Ayodele Oni, Partner, Bloomfield Law Practise, Nigeria
15:45 - 16:15	Case study: The largest independent solar power project in Sub-Saharan Africa – 10 MW Solar Power Project near Soroti, Uganda Wilfred van den Bos, Senior Investment Officer, FMO, Netherlands Geofrey Bakkabulindi, Secretariat, GET FiT, Uganda Simon Jackson, Director Project Finance, Access Power, UK
16:15 - 16:25	Case Study: A 60 MW biomass project in Lake Volta, Ghana Mark Weiller, Head of Distribution, New Sparta Asset Management and Senior Representative of APSA, United Kingdom
16:25	Q&A session: How have falling prices and new technology accelerated the renewables take-up?

Transmission & Distribution Track - Frank Rizzo

SESSION 2.1 - Room: 2.6.4/6

Technologies for the future grid

Moderator:

Frank Rizzo

Director, Technology Sector for Africa, KPMG, South Africa

15:20 - 15:30

Emerging technology trends

Frank Rizzo, Director, Technology Sector for Africa , KPMG, South Africa

15:35 - 15:50

An African solution for automated technologies

Phil Dingle, Marketing Director, Lucy Electric, UK

15:50 - 16:05

Business innovation based on smart grid architecture

Bill Lan, Chief Strategist Huawei Technologies, China

16:05 - 16:30

Panel: What grid technologies are applicable to Africa?

- What smart grid technology is available for the African context?
- What is the latest technology for load forecasting?
- How can transformer analytics reduce the inefficiencies of a grid and predict maintenance and service requirements?
- Funding models for new infrastructure in the age of constrained revenues

Speakers:

Francisco Jose Arenas

Smart Grid Architect, Schneider-Electric, Spain

Wilfred Sherini

Revenue Assurance Manager, Zimbabwe Transmission and Distribution Company (ZETDC), Zimbabwe

Phil Dingle

Marketing Director, Lucy Electric, UK

Bill Lan

Chief Strategist Huawei Technologies, China

Energy Revolution Africa Track - Tanya Engels

SESSION 3.1 - Room: 1.4.1-2

Renewable Energy Finance

Moderator:

Jenny Fletcher
CEO, Ariya Capital, Kenya

10:00 - 10:15

Strategies for reducing project costs

10:15 - 10:30

Reducing the risk of not understanding the impact of tax on your finance models

Tanya Engels, Director , Global International Corporate Tax, KPMG, South Africa

10:30 - 11:45

Increasing access to capital and financing

- Pro-active financing for competitive tenders
- Peer to peer funding for community scale projects

Abraham Cambridge
Founder/CEO, The Sun Exchange, South Africa

Felix Philipp
Manager, Impact Amplifier, South Africa

Eugene Obiero
Senior Manager Africa Projects, Camco Clean Energy, Kenya

Speakers:

Wilfred Sherini
Revenue Assurance Manager, Zimbabwe Transmission and Distribution Company (ZETDC), Zimbabwe

Phil Dingle
Marketing Director, Lucy Electric, UK

Bill Lan
Chief Strategist Huawei Technologies, China

Energy Revolution Africa Track - Nevellan Moodley

SESSION 3.2 - Room: 1.4.1-2

What are the top technology trends making the greatest impact?

Moderator:

Kenneth I. Ozoemena

Professor: Materials for Energy & Electrochemistry, University of the Witwatersrand
School of Chemistry, South Africa

13:15 - 13:30	What technology is exciting the African power industry? Nevellan Moodley, Senior Manager, KPMG, South Africa
13:30 - 13:45	Analysing the latest renewable hybrid systems Janos Franzner da Silva, Head of Wind Turbine Sales, WEG, Brazil
13:45 - 14:00	Renewables (solar + storage) solutions to profitably reduce reliance on diesel Evan Rice, Business Development Manager, Energy Products, Tesla, South Africa
14:00 - 14:30	Panel: Improving cost-competiveness of renewable technologies Nevellan Moodley Senior Manager, KPMG, South Africa Janos Franzner da Silva Head of Wind Turbine Sales, WEG, Brazil Evan Rice Business Development Manager, Energy Products, Tesla, South Africa Dom Wills CEO, Sola Future, South Africa

Energy Revolution Africa Workshops - Nevellan Moodley

Energy Revolution Africa Gallery

Demystifying blockchain: Applications for the energy sector

11:00 - 11:45	An introduction to the Blockchain Nevellan Moodley, Senior Manager, KPMG, South Africa
12:00 - 12:45	Blockchain for the unbanked: Business model for collecting revenue for community sized projects Eunice Ntobedzi, Innovator, EmPowered FinTech API/Service and Director, Sandico, Botswana
13:00 - 13:45	Using the Blockchain to redesign the electric utility around the customer Darlington Ubek, CEO, Green Echo Energy, South Africa
14:00 - 14:45	Energy blockchains and the distributed, transactive grid Lawrence Orsini, CEO and Founder, LO3 Energy, USA
15:00 - 15:45	Blockchain as the key to unlocking funding for commercial scale solar projects Abraham Cambridge Founder/CEO, The Sun Exchange, South Africa Phil Dingle Marketing Director, Lucy Electric, UK Bill Lan Chief Strategist Huawei Technologies, China

Nuclear Power Africa - Fritz Greyvenstein

SESSION 3.5 - Room: Venue: 1.4.3-3

2017 & beyond: Sub Saharan Africa's nuclear future Chairperson - Dr Kelvin Kemm, Chairman, Necsa, South Africa

Moderator:

Fritz Greyvenstein

KPMG Deal Advisory, KPMG, South Africa

15:00 - 16:00

Examining the speed of nuclear development in Sub-Saharan Africa

- Who are the next countries to advance nuclear power and how optimistic is this in the African economic environment?
- What are the hurdles preventing the rest of Sub Saharan Africa in joining the nuclear movement?
- Nuclear generation planning: Can the grid manage the extra supply of electricity?
- Is there a future in Africa for joint energy ventures?
- Will South Africa's nuclear success create a road map for Sub-Saharan Africa on how they should proceed going forward

Speakers:

Victor Polikarpov

Vice president of Sub Saharan Africa, Rosatom, Russia

Nduma Ruwah

Electrical Engineer, Kenya Nuclear Electricity Board, Kenya

Ambassador Tebogo Seokolo

Chairman of the Board of Governors, International Atomic Energy Agency, Vienna

Des Muller

Chairman, NIASA Supply Chain Development Sub-committee, South Africa

Nuclear Power Africa - Charmaine Kazamula

SESSION 3.2 - Room: Venue: 1.4.3-3

Roundtable Debates Facilitator: Matthew Le Cordeur, Senior Content Producer, Fin24, South Africa

Moderator:

Fritz Greyvenstein

KPMG Deal Advisory, KPMG, South Africa

Participants chose 2 tables which they would like to attend in the time span allowed. Explore the externalities of nuclear energy production. An intimate format to ask your hard questions and look in-depth at the challenges facing your role and the African market. Discussions will be facilitated by market leaders and industry experts.

11:15 - 12:00

Table topics: - How realistic are the financing proposals for nuclear fleets; is optimism overshadowing realism?

Sean Muller

University of Johannesburg, South Africa

Andrew Kenny

Energy Expert, South Africa

What else can nuclear power offer Africa; nuclear technologies for societies prosperity?

Christian Dierick

Lead Expert, Energy Technology Solutions, Agoria, Brussels

Tapping into human capital; positioning your company to gain from nuclear training facilities

What to do with over supply? Learning to work to the strengths and weaknesses of the energy grid

Charmaine Kazamula

Senior Manager, KPMG, South Africa

Grasping economic growth and avoiding a nuclear relaxed future

Rob Jeffrey, Economist, Econometrix, South Africa

