



Enlit Africa

20-22
MAY 2025

CTICC, Cape Town
South Africa


Site visits: 23 May 2025


**CHALLENGE THE
STATUS QUO**


Connect. Inspire. Evolve.

PROGRAMME BROCHURE

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 EnlitAfrica

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 Enlit-Africa

Created by

VUKA
GROUP

Enlit Africa is the premier gathering point for Africa's power, water and energy sectors.

From 20-22 May 2025, we will engage with the power, energy and water community in Cape Town, South Africa. This gathering of professionals provides a platform for individuals to connect, conduct business and inspire one another, transforming energy initiatives into actionable strategies for the future.

Enlit Africa is an ever evolving and inclusive event that comprehensively addresses all facets of Africa's energy transformation. It ignites the spark necessary to drive the changes needed for a brighter future for both our industry and the planet.

With the co-located CEO Forum, Project & Investment Network and Water Security Africa events, Enlit Africa promises to be the best way to spend three days out of the office.

WHY YOU SHOULD BE AT ENLIT AFRICA

Premium networking: Whether it's meeting like-minded peers or partners with whom you can collaborate, networking is a win-win scenario

Expert speakers – first hand knowledge: First-hand, in person access to experts. No other opportunity can put you in front of as many thought-leaders and respected colleagues the way Enlit does

Practical learnings: Comprehensive workshops and masterclasses provide an opportunity to learn from experts sharing personal experience

Business opportunities: A celebration of the best technologies and innovations, where buyers and suppliers to the sector come together

Comprehensive programme - learn something new: More than 200 speakers with focused sector and topic deep dives

Advance your career - stay on top of the trends: Stay ahead of industry trends and competition. Learn about best practices and emerging trends, get insights into the future direction of the industry

A gathering of your peers: Conferences are a great way to expose you to new trends and help you and your team become more productive. Kick-start your focus

CONTENT OVERVIEW



Storage



Generation/
IPPs



Renewables



Finance and
Investment



Distribution



Water



Transmission



Alternative
Energy



Metering
& Revenue
Management



Mini-grid



IT/ICT



Gas



Nuclear

Programme at a glance



CONFERENCE DELEGATES ONLY				
Strategise stage <i>Strategy, Regulation, Finance & Management</i>	Innovate stage <i>Technology, Implementation & Planning</i>	Municipal Forum stage <i>Separately bookable</i>	Water Security Africa <i>Separately bookable</i>	Project & investment Network <i>Separately bookable</i>
<ul style="list-style-type: none"> Holistic system planning: generation and transmission Innovative public-private partnerships energising Africa's power sector Dynamic insurance solutions and risk mitigation strategies in project financing Crafting bankable projects for maximum impact Securing funding for regional interconnectors Navigating the complexities of wholesale markets 	<ul style="list-style-type: none"> Advancing regional transmission projects Integrating cutting-edge technology and digitalisation Comprehensive project overviews: implementing innovative technology Exploring the energy mix Nuclear workshop Integrating Battery Energy Storage Systems (BESS) into Transmission Networks 	<ul style="list-style-type: none"> Key developments in the EDI sector and restructuring progress Reengineering municipal electricity models Municipal financial transformation Transforming municipal trading services Developing strengthened governance structures 	<ul style="list-style-type: none"> Roundtables: Water infrastructure and treatment projects Water security in commercial and industrial sectors The Water-Food-Energy Nexus Water Stewardship programmes Innovation tech talks Municipal and utility water management Funding Africa's water future Partnering with Africa's private sector Water conservation and climate resilience 	<ul style="list-style-type: none"> What does bankability mean in an evolving market? How Power Pools support bankability Project briefings Masterclasses Country spotlights Innovative funding Incentivising private sector participation in power infrastructure Financial mechanisms unlocking public and private capital

FREE TO ATTEND		
Renewable energy and storage hub	Power hub	Water hub
<ul style="list-style-type: none"> Technical and strategic insights Accelerating the adoption of renewable energy in Africa: strategies and opportunities Enhancing the productive use of energy Renewable energy for commerce and industry: driving sustainable growth Hydrogen initiatives Battery energy storage systems (BESS) implementations 	<ul style="list-style-type: none"> Technical insights Digitalisation: strategies and technology Grid modernisation Approaches to maintenance Dynamic supply and variable demand Energy efficiency interventions Strategies for increasing energy access 	<ul style="list-style-type: none"> Technical insights Water efficiency and technology innovations for large water users Desalination – A solution to water scarcity? Groundwater management and aquifer protection

CO-LOCATED EVENTS

Utility CEO Forum

The Utility CEO Forum is an exclusive by-invitation-only opportunity for CEOs to meet and discuss issues of common concern, determine opportunities to collaborate with their peers with a view to developing a roadmap for Africa's power and energy development. All discussions will take place under the Chatham House Rules.

WomenIN Energy

This session will focus on the holistic journey of women in the energy sector. From first foot in the door to the journey to the top. Part of this discussion will focus on barriers to entry and retention strategies, including the realities of gender based violence, discrimination and harassment. Feedback from this session will be shared with the DMRE gender equity team for further consultation

Event at a glance



Conference 20-22 May 2025

- 2 x keynote sessions
- 4 x 3-day strategic conference programme
- 3 x 3-day free to attend technical programme
- Master classes and round tables
- 4 site visits
- Engage networking dinner, sponsored by Standard Bank
- Engage networking function, sponsored by Actom
- Women in Energy



Site visits @ Enlit Africa 23 May 2025

- Robben Island
- Western Cape Water tour
- T&D tour
- Generation tour

Please note site visits are separately bookable, and bookings need to be confirmed and paid for by 10 May 2025.

All site visits require indemnity forms to be completed and ID documents sent to the various sites ahead of time.
Deadline: 10 May 2025.

Expo at a glance



200+

SPONSORS AND EXHIBITORS



6+

INTERNATIONAL PAVILIONS



7,000+

ATTENDEES

WHO ATTENDS

The Enlit Africa community is made up of professionals representing the following sectors:

Utilities

Municipalities

Regulators

Consultants

Analysts

Large energy
consumers

Developers & EPCs
providers

Financial
institutions

Students,
universities

Service and solution
providers

Financial institutions,
multi-laterals and
investors

Start-ups and
tech Government
incubators

IPPs

Media



Keynote stage

20 May 2025

KEYNOTE

09:00-09:10	Welcome by the organisers <i>Chanelle Hingston, Group Director: Power, Energy and Water, VUKA Group</i>
09:10-09:20	Welcome address <i>Minister Parks Tau, Minister of Trade, Industry and Competition, Department of Trade, Industry and Competition*</i>
09:20-09:35	Keynote address <i>Minister Kgosisentsho Ramokgopa, Minister of Electricity and Energy, Department of Mineral Resources and Energy*</i>
09:35-09:50	A technology driven transformation <i>Eric Amoussouga, Commercial Director, Power Transmission – SSA, Grid Solutions, GE Vernova</i>
09:50-10:05	State of the system address <i>Dan Morokane, Group Chief Executive, Eskom*</i>
10:05-11:00	Technology and the future of power <ul style="list-style-type: none"> <i>Loyiso Tyabashe, CEO, NECSA, South Africa</i> <i>Monde Bala, Group Executive, Distribution, Eskom, South Africa</i> <i>Alex Wachira, Principal Secretary, State Department for Energy, Kenya*</i> <i>David Boadi Asamoah, Deputy CEO, Electricity Company of Ghana, Ghana</i>
11:00-11:45	Refreshment break

21 May 202

KEYNOTE

09:30-09:35	Recap of Day 1
09:35-09:40	Welcome by the City of Cape Town <i>Alderman Xanthia Limberg, Mayco member for Energy, City of Cape Town</i>
09:40-09:55	Transformation: The future of African energy <i>Sabine Dall'Omo, CEO, Siemens South Africa and Sub-Saharan Africa</i>
09:55-10:00	Segue
10:00-10:30	Future (im)perfect? <i>Bronwen Williams, Futurist, Flux Trends</i>
10:35-11:10	A call to action: Innovate or stagnate Moderator: <i>Sabine Dall'Omo, CEO, Siemens South Africa and Sub-Saharan Africa</i> <ul style="list-style-type: none"> <i>Representative, Siemens, Germany</i> <i>Francis Agar, BRICS Young Energy Leader, Nuclear, Kenya</i>
11:10-11:45	Refreshment Break



**SEND US THE QUESTIONS YOU'D LIKE TO ASK OUR
PANELLISTS. EMAIL: CLAIRE.VOLKWYN@WEAREVUKA.COM**

Strategise stage

The Strategise stage is dedicated to exploring strategic management decisions and directions essential for utilities and private sector companies as they navigate the future trajectory of the power sector.

20 May 2024

SYSTEM AND CAPACITY PLANNING

Moderator: *Isabel Fick, General Manager: System Operator, NTCSA*

11:45-12:00

Scene setter: This scene setter will delve into the critical aspects of system and capacity planning for Africa's energy transition. It will explore the challenges and opportunities in developing and operating generation and transmission infrastructure, emphasising the need for a coordinated and integrated approach.

Dipak Patel, Senior Advisor: Climate Finance & Innovation, Presidential Climate Finance Task Team, South Africa

12:00-13:00

Panel Discussion: A Holistic Approach to System and Capacity Planning

This session will explore the critical importance of a coordinated and integrated approach to planning, developing, and operating generation and transmission infrastructure. Key focus areas will include:

- Identifying opportunities in a changing energy landscape
- Leveraging existing infrastructure for new solutions
- Balancing supply and demand in a volatile market

Speakers:

- *Babatunde Osadare, Chief Legal Officer, Ikeja Electric Plc, Nigeria*
- *Ronald Marais, Strategic Grid Planning Manager, NTCSA, South Africa*
- *Robert Mubiru, Project Manager, Ministry of Energy and Mineral Development, Uganda*
- *Sipho Mdlhuli, Principal Researcher, CSIR, South Africa*
- *Thabang Audat, Chief Director – Policy and Planning, Department of Mineral Resources and Energy, South Africa*

13:00-14:15

Lunch break

MARKET STRUCTURES AND DEVELOPMENTS

Moderator: *Peter Attard Montalto, Managing Director, Krutham*

14:15-14:30

South Africa's energy sector transformation

This presentation offers an expert analysis of South Africa's complex energy landscape and its ongoing transformation.

Peter Attard Montalto, Managing Director, Krutham, South Africa

14:30-15:30

Panel Discussion: Navigating the complexities of wholesale markets

This session will explore the intricate dynamics of wholesale energy markets, focusing on key factors that influence market pricing and price formation. Participants will gain insights into how market conditions, supply-demand fluctuations, and policy changes impact energy prices. The core areas of discussion will include:

- Understanding market dynamics and price formation
- Developing effective hedging strategies
- Managing operational risks in wholesale markets

Speakers:

- *Frank Spencer, Regional Director, Cainmani, South Africa*
- *Matthew Mflathelwa, Strategy and Planning Executive, Eskom, South Africa*
- *Chigoziri Egeruoh, Chief Engineer, African Development Bank, Nigeria*
- *Henry Carr, Energy Policy Director, CrossBoundary Energy, Kenya*
- *Jonathan Hill, Commercial Director, Solink, South Africa*
- *Mziyanda Mbuyiseli, Market Surveillance Manager, Southern African Power Pool*

15:30-16:15

Refreshment Break

INNOVATIVE PUBLIC-PRIVATE PARTNERSHIPS ENERGISING AFRICA'S POWER SECTOR

Moderator: *Primah Atugonza, Senior Legal Counsel and PPP and infrastructure Lead, ALSF, Côte d'Ivoire*

16:15-17:30

Panel Discussion: Innovative Public-Private Partnerships energising Africa's power sector

This fireside chat will delve into the critical role of public-private partnerships (PPPs) in accelerating Africa's energy sector development. The key focus areas include:

- Exploring successful PPP models and their impact
- Addressing challenges and risks in PPP projects
- Building trust and collaboration between public and private sectors

Speakers:

- *Billy Onyango, County Operations & Maintenance Engineer, Kenya Power*
- *Tumisang Moleke, Head: TAS & PPP Unit, National Treasury*
- *Patrick Mwesiga, Managing Director, Kanara Solutions, Uganda*
- *Ahmed Abdishakur, Senior Energy Specialist, East Africa*

17:30

Networking dinner, sponsored by Standard Bank

21 May 2025

CLIMATE FINANCE AND HOW IT CAN BE LEVERAGED TO SUPPORT RENEWABLE ENERGY PROJECTS IN AFRICA

Moderator: *Olivia Rumble, Director, Climate Legal*

11:45-13:00

Panel Discussion: Understanding climate finance and how it can be leveraged to support renewable energy projects in Africa

- Identifying climate finance sources and accessing funds
- Developing strong climate finance proposals
- Integrating climate resilience into project design

Speakers:

- *Dipak Patel, Senior Advisor: Climate Finance & Innovation, Presidential Climate Finance Task Team, South Africa*
- *Manessah Alagbaoso, Sustainability Executive Head, Standard Bank*
- *Melusi Tshabala, CEO, Mesama Energy*
- *Ricardo Amansure, Senior Researcher at the Centre for Sustainability Transitions, University of Stellenbosch, South Africa*

13:00-14:15

Lunch

THE STRATEGIC ROLE OF NUCLEAR ENERGY IN A JUST ENERGY TRANSITION

14:15-15:30

This session will examine the strategic role of nuclear energy in meeting Africa's increasing energy needs while supporting global low-carbon objectives. With South Africa's Koeberg plant as a model and countries like Egypt, Ghana, and Uganda advancing nuclear initiatives, the discussion will focus on the continent's nuclear development path. Expert-led presentations will highlight key themes including the modernisation of nuclear infrastructure, the promise of Small Modular Reactors (SMRs), and the value of international collaboration in building skilled workforces. Attendees will gain valuable insights into investment and regulatory strategies, as well as approaches to addressing financial and public perception challenges in nuclear deployment.

14:15 - 14:35

- **Status update on South Africa's Nuclear Build Programme**
Katse Maphoto, Chief Director: Nuclear, Department of Energy and Electricity

14:35 - 14:50

- **Unlocking Africa's energy future: The Role of Small Modular Reactors in Scalable, Cost-Effective, and Regulated Transition Pathways**
Ben Alex, Senior Nuclear Specialist, Hatch

14:50 - 15:05

- **Presentation to be announced**
Marwa Ibrahim, Nuclear Engineer, EYGN Chapter Leader, Rosatom Global, Egypt

15:05 - 15:30

- **Case Study: Exploring transportable nuclear power plants in addressing Africa's electricity deficits and development objectives**
Odinakachi Umunna, Corporate Strategy Consultant, Shell International B.v.
Ezekiel Archibong, Editor in Chief, The People's Accolade Law Magazine (the PALM)

15:30-16:15

Refreshment break

REGIONAL INTERCONNECTORS

Moderator: *Melusi Tshabala, CEO, Mesama Energy*

16:15-17:30

Panel Discussion: Transforming Africa's energy landscape through regional interconnection

This panel discussion will explore the critical role of regional power interconnectors in enhancing energy access, security, and economic growth across Africa. Panellists will delve into the technical, economic, and political challenges and opportunities associated with developing and operating interconnected power grids

Panellists:

- *Chinedu Onyegbula, Managing Director/Chief Consultant, Smart Green Frontier Partners [Virtual]*
- *Wilson Masango, Head of Markets, Southern African Power Pool*
- *Charl Jooste - Regional Lead for Power at Hatch*
- *Moussa Diagne, CEO of Société d'Exploitation de Manantali et de Félou - SEMAF*

17:30

Networking function, sponsored by Actom

22 May 2025

WORKSHOP: ENERGY & INFRASTRUCTURE SKILLS DEVELOPMENT TASKFORCE

Moderator: *Deerosh Maharaj, Energy Infrastructure & Mining Executive Head, Standard Bank*

This workshop will focus on the critical role of skills development in the Energy & Water subsectors, exploring the private sector's responsibility in capacity building, SME support, and gender equality. It will provide a structured approach to understanding the challenges and opportunities in workforce development, with insights from industry leaders, policymakers, and training institutions.

09:30 – 11:00

Session Objectives

- Rebranding and restructuring: Establish a strategic approach to shaping the skills development landscape in the energy and water sectors.
- Private sector engagement: Define the private sector's role in funding, training, and equipping the workforce.
- SME enablement & skills immigration: Explore support mechanisms for SMEs and address skill shortages through strategic immigration policies.
- Gender equality: Identify barriers and propose actionable steps to promote inclusivity in energy and infrastructure.

Panellists:

- *Senior Representative, Northern Cape Government**
- *Senior Representative, The Black Business Council in the Built Environment (BBCBE)**
- *Senior Representative, City of Johannesburg Municipality/ Ekurhuleni Municipality**
- *Senior Representative, Solareff/ Rhino Energy**
- *Senior Representative, SAPVIA**
- *Senior Representative, Standard Bank Young Talent**

11:00 – 11:45

Refreshment Break

PERSPECTIVES ON THE CHANGING ENERGY LANDSCAPE

Facilitators: *Warwick Hayes, Technical Lead, Engage Engineering and Bryan Maytham, Project Lead, Engage Engineering*

11:45–12:00

Case study: South Africa's Gas Aggregation Model: A blueprint for infrastructure development

South Africa is pioneering a private-sector-led gas aggregation approach to overcome infrastructure challenges and ensure reliable gas supply. By centralising supply and pooling resources, this model attracts private capital and enables crucial infrastructure development, such as pipelines and storage facilities. This approach offers a scalable solution for other developing economies seeking to leverage natural gas resources for economic growth and sustainable energy access

Jaco Human, Executive Officer, IGUA

12:00 – 13:00

Panel Discussion: Energy Sustainably

This session explores the energy landscape through the lens of industry. Historically, industrial energy interventions focused primarily on energy efficiency for cost reduction. However, rising energy costs, climate change, energy liberation, and environmental concerns have dramatically reshaped the corporate sustainability landscape. Organizations must adapt and embrace these changes. This workshop unpacks timely topics—Energy Management, Energy Efficiency, Procurement, Carbon, and Reporting—that industry needs to consider for a sustainable approach to energy.

Speakers:

- *Ngoanathari Maja, SANEDI Programme Manager*
- *Tshegofatso Neeuwfan, Utility Innovation Manager, GEAPP*
- *Mutenda Tshipala, Senior Manager: Strategy Development, Eskom*

13:00 – 14:00

Lunch

20 May 2025

INTEGRATION OF SMARTER TECHNOLOGY AND DIGITALISATION

Moderator: Jovan Vujasinovic, CEO, VF Holdings

11:45-13:00

Panel Discussion: Smart grids and the future of energy management

This session will explore the role of smart grid technology in enhancing energy efficiency and reliability. This session will cover advanced grid capabilities, real-time monitoring, and demand response strategies. Panellists will discuss case studies and showcase how smart grids can facilitate the integration of renewable energy sources while improving operational efficiency.

Key focus areas:

- Benefits of smart grid implementation
- Technologies enabling real-time data and analytics
- Challenges and solutions in deploying smart grid infrastructure

Speakers:

- Pitso Sekhoto, Middle Manager, National Transmission Company of South Africa
- Monde Bala, Group Executive: Distribution, Eskom
- Satyajit Dwivedi, Regional Director - Energy & Utilities, Manufacturing and Smart Cities, SAS Institute, India
- Jakob Carnemark, Founder, Endeavour
- Gert Booysen, Senior Staff Account Manager, Electrification Software at GE Vernova, Southern Africa
- Senior Representative, ONTEC*

13:00-14:15

Lunch

REGIONAL TRANSMISSION PROJECTS

An overview of various regional transmission projects, such as the Mozambique Transmission Project and a potential initiative from the East African Power Pool, is essential. Additionally, including a project overview from the West African Power Pool would significantly enhance the representation of East, West, and Southern regions.

14:15-14:45

Mozambique Transmission Project (TTP): This project is part of Mozambique's Integrated Transmission Backbone System (STE Project) and aims to connect the country's northern, central, and southern power grids. It will improve the reliability of electricity supply in Mozambique and enhance regional connectivity within the Southern African Power Pool (SAPP).

Adriano Jonas, Director, Temane Transmission Project (TTP), EDM, Mozambique

14:45-15:15

ZIZABONA Project: This project involves the construction of a high-voltage direct current (HVDC) transmission line between Zambia and Botswana. It will enable the transfer of surplus electricity from Zambia to Botswana, contributing to regional energy security and economic development.

Francis Namakanda, Director Planning and Projects, ZESCO, Zambia

15:15-15:45

Project to be confirmed

Abdoulaye Dia, Secretary General, West African Power Pool

15:45-16:15

Break

LESSONS LEARNED: DIGILISATION AND MODERNISATION PROJECTS

Moderator: Barry MacColl, Senior Regional Manager, EPRI

16:15-17:30

Technical deep dive

This technical deep-dive session will provide a comprehensive analysis of the technical challenges and solutions. We will explore data migration issues, system integration complexities, performance optimisation techniques, and security considerations. By sharing valuable lessons learned and best practices, this session aims to provide insights into overcoming similar challenges.

Speakers:

- Cleophas Ogutu, Project Manager: GIS Data Clean and Loss Reduction Project, Kenya Power
- Bruno Castagne, Sas Sr Application Engineer, GE Vernova
- Geoffrey Lee, Egrid Power Delivery & Transmission, Lead for Africa, India & Middle East, Hatch
- Senior representative, Lucy Electric
- Al'Louise Van Deventer, GM: Engineering, Eskom
- Senior representative, ABB

17:30

Networking Function

21 May 2025

PROJECT OVERVIEWS: TECHNOLOGY IMPLEMENTATION

- | | |
|-------------|--|
| 11:45-12:00 | Case study: Advanced Metering Infrastructure (AMI) implemented by Electricité de France (EDF) in India
<i>Sebastien Louison, VP Africa and Middle East, Electricité de France International Networks</i> |
| 12:00-12:20 | Case study: Innovation within the context of a constrained fiscus
<i>Michael Pienaar, Infrastructure Specialist, Atlantis Special Economic Zone Company</i> |
| 12:20-12:40 | Project to be confirmed
<i>Senior representative, GE Vernova</i> |
| 12:40-13:00 | Containerised Micro Grids (CMG) for EV charging and grid resilience
<i>Nick Singh, Head of Smart Grid, Eskom</i> |

13:00-14:15 Lunch

ENERGY MIX PART 1: BUILDING CONSENSUS

Moderator: *Marco Rahner, Smart Infrastructure Division Sales Manager, Siemens*

- | | |
|-------------|--|
| 14:15-15:30 | Panel Discussion: Implementing the energy mix for energy intensive users
<p>During this session representatives from nuclear, wind, solar and transmission sectors discussed the ideal energy mix. Part 1 of this discussion will consider the variables at play, while Part 2 (Day 3) will evolve into a more interactive, roundtable-driven discussion aimed at building consensus.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Sonwabo Damba, Energy Planning Specialist, Department of Energy</i> • <i>Craig Morkel, Chairperson, Gas Economy Leadership Group, SAOGA</i> • <i>Sengiphile Simelane, Group Executive for Power & Industry, NECSA</i> • <i>Senior representative, Rosatom</i> • <i>Rethabile Melamu, CEO, SAPVIA</i> • <i>Ronald Marais, Strategic Grid Planning Manager, NTCSA,</i> • <i>Titus Mathe, CEO, SANEDI (confirmed, please remove the star)</i> • <i>Niveshen Govender, SAWEA</i> |
|-------------|--|

15:30-16:15 Refreshment break

NUCLEAR GENERATION IN AFRICA

Moderator: *Francis Agar, Nuclear Technology Consultant, BRICS Youth Energy Agency, Kenya*

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|-------------|--|
| 16:15-16:30 | Scene Setter
<i>Ben Alex, Senior Nuclear Specialist, Hatch</i> |
| 16:30-17:30 | Panel Discussion: Nuclear generation in Africa – Progress and prospects
<p>This session will provide an update on the progress being made across the African continent to facilitate the safe, efficient and reliable use of nuclear power generation.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Zizamele Mbambo, Deputy Director General: Nuclear Energy Regulation and Management, Department of Electricity and Energy</i> • <i>Velaphi Ntuli, GM, Koeberg Nuclear Power Station, Eskom</i> • <i>Nafiu Saliu Abubakar, Radiation Safety Officer (RSO), Nigeria Customs Service, Nigeria [Virtual]</i> • <i>Robert Sogbadji, Deputy Director, Power: Nuclear and Alternative Energy Program, Ministry of Energy, Ghana</i> • <i>Collins Omondi, Head, Civilian Application of Nuclear Energy, African Commission on Nuclear Energy (AFCONE), Kenya</i> • <i>Remigius Kawala, Director: Tanzania Atomic Energy Agency, Tanzania</i> |

17:30 Networking Function

22 May 2025

09:30-09:50	Presentation title to be announced <i>Rentia van Tonder, Executive Vice President, Standard Bank</i>
09:50-10:15	The evolving role of BESS in transmission systems This presentation will address the challenges of grid modernisation and the increasing penetration of variable renewable energy sources. Discussion topics include: <ul style="list-style-type: none"> • Examining the limitations of traditional grid infrastructure and how BESS can overcome them • Discussing the evolving grid paradigms and the role of BESS in enabling these shifts <i>Joseph Nkrumah, Manager PD Renewables, BUI Power Authority</i>
10:15-10:40	South Africa's Energy Future with Reliable Baseload Power Amidst Renewable Energy Expansion This presentation will analyse various technologies to determine the most suitable solution for South Africa's baseload needs while navigating the complexities of grid integration during the transition to a cleaner energy mix. <i>Siva Pasupathi, Director: Hysa Systems, University of the Western Cape</i>
10:40-11:00	What's the use of energy if you can't manage it? Join DeVilliers Botha as he delves into the critical role of energy management in modern microgrids. During this session, he will unpack several case studies highlighting various practical applications of microgrids, including "conducting the symphony of energies to become something beautiful". Through these case studies, DeVilliers will illustrate the transformative impact of effective energy management systems on microgrids, detailing how these systems optimise energy use, enhance reliability, and pave the way for a sustainable future <i>Devilliers Botha, Chief Commercial Officer, Solareff</i>

11:00-11:45 **Refreshment break**

MASTERCLASSES

11:45 -13:00	Focusing on regional and national context	Focusing on technological and infrastructure challenges	Focusing on Socioeconomic and environmental considerations
	This session will explore the multifaceted challenge of developing effective energy strategies. Hosts will delve into four key areas: <ul style="list-style-type: none"> • Crafting context specific energy mixes tailored to individual regions or countries • Addressing the critical balance between expanding energy access and transitioning to sustainable, cleaner energy sources • Examining the crucial role of policy and regulation in shaping the energy landscape and incentivising a balanced approach • Discussing strategies for attracting investment in the energy sector, to ensure a secure and sustainable energy future. 	This session will focus on the challenges and opportunities associated with integrating variable renewable energy sources into the grid. Hosts will explore strategies for effectively managing the intermittency of solar and wind power and the implementation of demand-side management strategies. A key component of this discussion will be the future of grid infrastructure and the necessary investments to support a diverse energy mix, encompassing distributed generation and smart grid technologies.	Hosts will explore methods for minimising the environmental footprint of energy projects, including best practices for land use, water consumption, and waste disposal, along with the role of strong regulatory frameworks. Discussions will also address the crucial contribution of energy efficiency across all sectors in reducing energy demand and accelerating the shift towards a cleaner energy mix.

13:00-14:15 **Lunch**

Renewable Energy & Storage Hub

20 May 2025

11:10-11:20 **Project brief**
11:20-11:30 **Project brief**
11:30-11:40 **Project brief**

ADDRESSING GRID CONSTRAINTS IN AFRICA

Moderator: *Tahir Mohammed Aminu, General Manager: Projects Coordination Transmission Company of Nigeria (TCN)*

This session will delve into the complexities of grid constraints, particularly focusing on the obstacles they present to businesses and individuals seeking to generate their own power. We will examine how these constraints hinder the adoption of renewable energy sources, energy efficiency measures, and demand-side management strategies. Furthermore, we will explore a range of practical solutions that can be implemented at the individual or community level, independent of national utilities.

11:45-11:55 **Setting the scene**

11:55-12:45 **Panel Discussion: Grid capacity improvement plans**

Discussions will highlight plans for the expansion and strengthening of grid infrastructure to address growing electricity demand and facilitate the integration of renewable energy sources. The session will emphasise the importance of improving grid capacity to enable more flexibility, reliability and resilience, ultimately supporting a cleaner and more sustainable energy future.

Speakers:

- *Melusi Tshabalala, CEO, Mesama Energy*
- *Beth O'Connor, Senior Project Development Manager, Juwi Renewable Energies*
- *Godwin Afamefuna Aguiyi, Assistant General Manager, Transmission Company of Nigeria (TCN)*
- *Vincent Nyirenda, Chief Projects Officer, Copperbelt Energy Corporation Plc, Zambia*
- *Rivoningo Mnisi, Group Executive, Renewables, Eskom*

12:45-13:05 **Case Study: How different transmission expansion plans in the Southern African Power Pool (SAPP) affect the integration of renewable energy sources like solar and wind power**

Keith Katyora, Senior manager: Grid expansion and energy systems, The Energy Council of South Africa

13:10-13:20 **Vivasol Africa, South Africa**

13:20-13:30 **Zambezi Sanitation, South Africa**

13:30-13:40 **Relithia Energy, Zimbabwe**

13:40-13:50 **HDF Energy, South Africa (Generation)**

13:50-14:00 **Afrika Energy Group - Project DUCE, Cameroon (Waste-to-Energy)**

14:00-14:10

PROJECT OVERVIEWS

These sessions will offer practical insights into project innovation, technology installation, and the integration of battery energy storage systems, both as part of new project installations and as retrofits.

14:15 - 14:35 **Cape Town hybrid solar and wind case study**

This presentation describes a case study investigating the feasibility of developing a hybrid solar and wind power plant within the City of Cape Town, South Africa. Driven by the city's decarbonisation goals, the study aims to determine the optimal configuration for such a plant to meet the city's operational electricity needs by 2030.

Ashlin Naidoo, Researcher, Doug Banks Renewable Energy Vision

14:35 - 14:55 **Operational strategies of battery energy storage systems**

This presentation will delve into the diverse operational strategies of battery energy storage systems (BESS). Key applications such as energy backup, energy arbitrage, load profile peak shaving, and grid energy substitution will be examined. Furthermore, there will be an analysis of how these multifaceted technologies can be optimised under various dispatch architectures to maximise financial returns for owners, while also considering other important factors.

David Raphael, Technical Director, SOLINK

14:55 - 15:15 **Project to be confirmed**

Senior representative, Endeavour, United States

15:15-15:25 **BioVest Holdings, South Africa**

15:25-15:35 **Sierra Power Renewable Energy SL Limited, Sierra Leone**

15:35-15:45 **Mine Shaft Energy Storage, South Africa**

15:45-15:55

15:55-16:05

16:05-16:15

PROJECTS AND TECHNOLOGY

16:15 – 16:45

Case study: A New Era of Energy Partnerships: Lessons from Eskom and Golden Arrow's Electric Bus Partnership

This case study highlights the collaboration between Eskom and Golden Arrow, focusing on building EV infrastructure, integrating renewable energy, and creating economic value through partnerships. Insights will be shared on how similar collaborations can drive increase value for the utility, grid, and off-taker.

Speakers:

- *Gideon Neethling, Company Engineer, Golden Arrows*
- *Miles Jacobs, Network Operations Engineer, Eskom Holdings*



16:45 – 17:05

NrG Powers Vodacom's Green Ambitions with 6 MW Solar PV Project

Next Renewable Generation (NrG) successfully implemented a 6 MW solar PV project at Vodacom's Midrand campus, one of the largest corporate solar installations in South Africa.

The project, completed in three phases, involved installations across various buildings and parking areas, providing both low-voltage and medium-voltage energy to the campus grid. With an annual energy output of approximately 10 GWh, the project significantly reduces Vodacom's carbon footprint and showcases NrG's expertise in delivering sustainable energy solutions for large-scale commercial and industrial clients

Speakers:

- *Dino, Petrarolo, CEO, Next Renewable Generation*
- *Roger Thompson, CTO, Next Renewable Generation*

17:30

Networking Function

Renewable Energy & Storage Hub

21 May 2025

FINANCING CHALLENGES IN THE RENEWABLE SECTOR

Moderator: Ziyad Cassim, Country Delivery Lead, GEAPP

11:45-12:05

Case Study: Mitigating investment risks in renewable energy projects

This session will examine the various risks associated with investing in renewable energy projects, such as resource variability, policy uncertainty, and project development challenges. The session will explore strategies to mitigate these risks, including accurate resource assessment, policy advocacy, and effective stakeholder engagement, to foster investor confidence and promote sustainable energy development.

Ayodele Oni, Lawyer, Bloomfield LP, Nigeria

12:05-13:00

Panel Discussion: Innovative financing mechanisms for clean energy in Africa

This session explores innovative financing mechanisms to overcome financial barriers hindering clean energy development. It delves into crowdfunding and community investment models for mobilising capital, particularly for smaller-scale and community-owned projects. Additionally, it examines the role of green bonds and climate finance in scaling up investments, including developing green bond markets and mobilising international climate finance.

Speakers:

- Jeffrey Kenneth Baiden, Chief Executive Officer, DC L'afrique Ltd
- Oliver Johnston, Founder and CEO, Solink
- Justin Dargin, Senior Climate and Energy Fellow, Middle East Council on Global Affairs
- Nonjabulo Sokhela, CEO, Nepoworx
- Angel Modutwane, Impact Leader Nuclear, Lean in SA Equity & Sustainability

13:00-14:15

Lunch

ACCELERATING THE ADOPTION OF RENEWABLE ENERGY IN AFRICA

There are diverse perspectives on incentives, opportunities, and enabling policies to accelerate the adoption of renewable energy in Africa. During this session, we will consider just a few of them.

Facilitator: Robert Mubiru, Project Manager, Ministry of Energy and Mineral Development, Uganda

14:15-14:40

How can South Africa promote a greater uptake of renewable energy or distributed energy resources among C&I customers

Jessica Kiln, Consultant, Nova Economics

14:40-15:00

Stimulation of access to electricity via renewable energy solutions

Robert Mubiru, Project Manager, Ministry of Energy and Mineral Development, Uganda

15:00 -15:30

Unbundling Electricity Distribution in Kenya: A Path to Affordable and Reliable Power

This presentation will explore the current landscape of electricity distribution in Kenya and how the role of the Kenya Power and Lighting Company as sole distributor is shifting. With Kenya's electricity market increasingly characterised by high costs and lack of reliability, we will examine how the introduction of competition and new policies such as net-metering will impact the sector. Finally, we will discuss whether the introduction of these measures will lead to affordable and reliable power for consumers

Sharon Rodah, Advocate of the High Court of Kenya

15:30-16:15

Refreshment break

RENEWABLE ENERGY IN KENYA

Moderator: Steven Mathetsa, Programme Director: Postgraduate Diploma in Energy Leadership & Postgraduate Diploma in Energy Leadership (Electricity), Wits Business School

16:15-17:30

Fireside Chat: Kenya's progress towards achieving universal access by 2030.

This panel discussion will examine Kenya's progress towards achieving universal electricity access by 2030. The session will explore strategies and opportunities for accelerating renewable energy adoption in Africa

Speakers:

- Maxwell Ngala, Senior Technical Specialist, RTI International - Empower East and Central Africa (EECA)
- Sharon Rodah, Advocate of the High Court of Kenya

17:30

Networking Function

22 May 2025

ENHANCING THE PRODUCTIVE USE OF ENERGY

Moderator: *Billy Onyango, County Operations & Maintenance Engineer, Kenya Power*

This session delves into maximizing the productive use of energy, particularly within the context of increasing renewable energy integration. We will explore how to efficiently incorporate renewable sources into key sectors like industry and transportation, focusing on technological advancements, policy frameworks, and market mechanisms that drive sustainable development.

09:30-09:40 **Scene Setter**

09:40-10:00 **Leveraging EV charging for Grid flexibility and efficiency**

This presentation discusses how to use electric vehicle (EV) charging as a tool to improve the efficiency and stability of South Africa's electricity grid. It focuses on "managed charging" strategies, like timed and smart charging, which allow for controlling when and how EVs charge. By shifting charging to times of lower demand or higher renewable energy availability, these strategies can optimize grid use, reduce costs and support renewable energy integration. The paragraph highlights the benefits of proactive planning for EV charging to ensure a more productive and efficient energy system.

Darryl Chapman, Chief Engineer: Research Project Leader, Eskom

10:00-11:00 **Panel discussion: Scaling productive energy use**

To scale the productive use of energy (PUE), it is essential to implement strategies that enhance access to suitable energy technologies, particularly in rural areas. This involves promoting business models that incentivize adoption, offering training and support to users, fostering partnerships among diverse stakeholders, and integrating PUE into broader development initiatives. A particular focus on sectors such as agriculture and small businesses will help maximise economic impact and ensure sustainability.

Speakers:

- *Melusi Tshabala, CEO, Mesama Energy*
- *Benson Ireri, Africa Lead: Energy Access, World Resource Institute, Kenya*
- *Patrick Mwesiga, Managing Director, Kanara Solutions, Uganda*
- *Sarah Malm, Executive Director, GOGLA*
- *Ruth Kimani, Awards Manager : Clean Energy Access, CLASP, Kenya*

11:00 – 11:45 Refreshment break

RENEWABLE ENERGY FOR COMMERCE AND INDUSTRY: DRIVING SUSTAINABLE GROWTH

11:45 – 12:05 **Charting a path to sustainability: How ESG can unlock Africa's renewable energy potential**

This presentation examines the difficulties and possibilities in Africa's energy sector as it transitions to renewable energy, emphasizing the importance of ESG in driving sustainable solutions. It also highlights the complexities of implementing ESG in Africa, including limited resources and inconsistent policies.

Zama Mkhize, Group Sustainability Manager, Clicks Group Limited

12:05 – 12:25 **Case Study: Increasing the Business Case for Renewable Energy Projects: Boosting Investment**

Opportunities through EV and Charging Infrastructure Integration

This session highlights how coupling EV infrastructure with renewable energy projects can enhance the financial viability and attractiveness of renewable energy investments.

Speakers:

- *Wilberforce Chege, Programme Manager: Electric Mobility, Africa Climate Foundation**
- *Jaco de Villiers, CEO, Solareff**

12:25 – 13:00 **Fireside Chat: The Business Case for EV Charging Infrastructure in Africa: Opportunities for Power Providers to Expand Services and Generate New Revenue Streams**

This session explores the financial and operational benefits for power providers investing in EV charging infrastructure. It will highlight emerging business models, partnership opportunities, and strategies for integrating charging solutions into existing energy services.

Moderator: *Hiten Parmar, Executive Director, the electric Mission*

Speakers:

- *Winstone Jordaan, Director, GridCars*
- *Greg Blandford, Director, Rubicon*
- *Larissa Venter, Chief Stakeholder Officer, Zero Carbon Charge*



13:00 – 14:15 Lunch

20 May 2025

OPENING PANEL: KEY DEVELOPMENTS IN THE EDI SECTOR AND RESTRUCTURING PROGRESS

Session Moderator: *Thembeke Madlala, Project Manager: Renewables, Eskom*

11:45-13:00 The 2024 Municipal Forum tackled pressing issues affecting South African municipalities, focusing on challenges from both technical and non-technical perspectives. Key discussions included barriers to ending load shedding, the financial impact of influential clients going off-grid and the overall strain on municipal resources.

Panellists:

- *Nhlanhla Ngidi, Head of Electricity and Energy at the South African Local Government Association (SALGA)*
- *Lebogang Mojanaga, Director: IPP (Monitoring and Evaluation Expert), Department of Energy and Electricity*
- *Tshegofatso Neeuwfan, Manager: Utility Innovation, The Global Energy Alliance for People and Planet (GEAPP)*
- *Sicelo Xulu, Chairperson of the Board, South African National Energy Development Institute (SANEDI)*

13:00-14:15 Lunch

NAVIGATING BOTTLENECKS FOR MUNICIPAL TURNAROUND STRATEGIES AND ENHANCING THE FISCUS

Session Chair: *Talent Duma, Senior Project Officer, DSM and Applied Energy, South African National Energy Development Institute (SANEDI)*

14:15 - 14:30 **Identifying municipal distress indicators**

Nhlanhla Ngidi, Head of Electricity and Energy at the South African Local Government Association (SALGA)

14:30 - 14:45 **Municipal debt management and recovery strategies [KENYA]**

Insights into Regional Initiatives to implement to address weaknesses in revenue management in municipalities
Winnie Kosgey, Project Lead: County Revitalisation Programme, United Nations

14:45 - 15:00 **South Africa's local government project to develop an IPP Project Preparation, Procurement and PPA manual**

George Alex Thopil, Associate Professor and Consultant in Sustainable Energy Systems, University of Pretoria

15:00 - 15:30 **DISCUSSION – Closing the gaps and fast tracking your turnaround**

Discussion points to include:

- Unpacking key components of a successful municipal turnaround strategy
- Unpacking the nexus between financial stability and operational maturity for municipalities
- Sighting action plans for municipalities to apply the lessons learned to their own contexts

Panellists:

- *Nhlanhla Ngidi, Head of Electricity and Energy at the South African Local Government Association (SALGA)*
- *Winnie Kosgey, Project Lead: County Revitalisation Programme, United Nations*
- *George Alex Thopil, Associate Professor and Consultant in Sustainable Energy Systems, University of Pretoria Enterprise*
- *Owen Witbooi, Deputy Director General: Municipal Financial Management, Gauteng Provincial Treasury*

15:30-16:15 Refreshment break

REENGINEERING THE MUNICIPAL ELECTRICITY MODELS FOR SUSTAINABILITY

Session Chair: *Kelebogile Mokomane, Senior Technical Advisor: Power Sector Reform, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH*

16:15-16:20 **Access to finance and innovative strategies for municipal electricity services**

Ansuya Rungasamy, Senior Technical Advisor on Power Sector Reform, Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

16:20-16:25 **Exploring alternative revenue models in the electricity sector**

Veer Ramnarain, President of South African Institute of Electrical Engineers (SAIEE) and Acting Head of eThekweni Electricity, and EXCO Member of AMEU

16:25-16:30 **The Impact of off-grid migration on municipal finances**

Hendrik Raedani, Divisional Head: Alternative & Renewable Energy Department, City of Ekurhuleni

16:30-16:35 **Unpacking National Treasury Metro Trading Services Programme**

Speaker to be announced

16:35-17:30 **WAY FORWARD PANEL: What municipalities can do now to increase financial sustainability, resilience and revenue generation**

Enlit Africa Municipal Forum

Municipal Forum

This panel provides a way forward on the critical issues affecting distressed municipal from a financial sustainability of the EDI sector perspective as highlighted in the talks above. Municipalities need to deal with declining revenue streams and increasing expenditure pressures in a more innovative way to secure a stable financial future. This panel will explore a range of strategies needed to enhance municipal financial performance.

Panellists:

- *Hendrik Raedani, Divisional Head: Alternative & Renewable Energy Department, City of Ekurhuleni*
- *Qhakazile Mathebula, Senior Manager: Project Management Office, City Power*
- *Lomile Modiselle, Director: Energy and Electricity Technical, City of Tshwane Metropolitan Municipality*
- *Veer Ramnarain, President of South African Institute of Electrical Engineers (SAIEE) and Acting Head of eThekweni Electricity, and EXCO Member of AMEU*

17:30

Networking dinner, sponsored by Standard Bank



**FOR MORE INFORMATION ABOUT THE MUNICIPAL FORUM AND SPECIAL RATES
FOR MUNICIPALITIES, PLEASE CONTACT PRUDENCE CHISHIMBA, DELEGATE SALES
EXECUTIVE: PRUDENCE.CHISHIMBA@WEAREVUKA.COM**

Municipal
Forum

21 May 2025

MINI-GRIDS & ILLEGAL CONNECTIONS

Session Chair: Tshwanelo Rakaibe, Senior Researcher: Energy Centre, Council for Scientific and Industrial Research (CSIR)

11:45 – 12:10

Symbiotic infrastructure strategies for municipal energy-water-waste systems

This session aims to explore how nature-inspired design can inform how to think about new infrastructure, one premised on symbiosis where there is no waste and value to the region increases over time.

Senior representative, Endeavour Energy

COMBATING ILLEGAL CONNECTIONS

Moderator: Manoj Hanuman, President: Southern Africa Revenue Protection Association (SARPA); Revenue Protection Manager, eThekweni Metropolitan Municipality

12:10 – 13:00

Tackling illegal connections and overcoming infrastructure constraints in municipalities

This workshop is designed to address two critical challenges facing municipalities: dealing with illegal electricity connections and overcoming infrastructure constraints. The workshop aims to develop actionable strategies to mitigate these issues, ensuring more efficient and sustainable electricity distribution within municipalities. The goal is to develop comprehensive strategies and practical solutions to mitigate illegal connections and improve the efficiency and sustainability of municipal electricity services.

Speakers:

- Lotter George, Manager: Electrical, Municipality, Overstrand Municipality
- Dennis Hendriks, Principal Engineer, Overstrand Municipality
- Leon Laing, Senior Manager: Electro-Technical Engineering, Drakenstein Municipality
- Desigan Govender, Portfolio Manager, Conlog
- Muzi Mkhize, Regulator Member: National Energy Regulator of South Africa (NERSA)
- Refilwe (Mogale) Mokgosi, Area Chief Engineer, City of Ekurhuleni Metropolitan Municipality

13:00-14:15

Lunch

ENERGY EFFICIENCY

Mpho Mahahle, Technical Advisor Energy Efficiency, South African-German Energy Programme
Senior representative, City of Cape Town

14:15 – 15:30

Managing demand: Energy efficiency as a municipal imperative

This session will explore why energy efficiency is not just a good idea, but the best “technology” to manage demand and is a critical imperative for municipalities facing increasing energy demands and budget constraints. This session discusses a successful case study that empowers municipalities to implement effective energy efficiency programmes, ultimately leading to cost savings, environmental benefits, and enhanced community resilience.

- Understand the key drivers for municipal energy efficiency and identify practical and cost-effective energy efficiency measures applicable to municipal operations and infrastructure.
- Explore a successful case study of a municipal energy efficiency programme

15:30 – 16:15

Refreshment Break

NEW TARIFF STRUCTURES AND IMPACT ON MUNICIPALITIES

Session Chair: Lindy Mthembu, Chief Electrical Engineer: MV/LV Construction Planning, eThekweni Municipality

16:15 – 17:30

Unbundling of tariffs in the context of potential Eskom tariff hikes and impact on municipalities

This session aims to explore the implications of tariff hikes on municipalities, focusing on the unbundling of tariffs as a strategy to mitigate negative impacts. Municipalities face significant challenges in maintaining financial stability while ensuring affordable and reliable electricity for their residents. The discussion will provide a comprehensive understanding of tariff structures, the benefits and challenges of unbundling, and practical steps municipalities can take to navigate this complex landscape.

Speakers:

- Onicah Rantwane, Chief Advisor Electricity Pricing, Eskom Holdings SOC
- Kay Walsh, Managing Director, Nova Economics
- Senior representative, City of Cape Town

17:30

Networking function, sponsored by Actom

22 May 2025

SERVICE DELIVERY

Session facilitator: *Carly Wise, Energy Analyst, GreenCape*

09:30-11:00

Reimagining Service Delivery in South Africa

This solutions-focused session will examine the state of South African service delivery, focusing on basic services in low-income communities and informal settlements. The interactive session will incorporate an asset-based community development approach to understand the magnitude and complexities of the service delivery landscape, encouraging perspectives and insights from communities, public and private sector, and funders. It will also present case studies showcasing successful examples of alternative service delivery projects that have been rolled out in South Africa.

11:00 – 11:45

Refreshment break

GOVERNANCE

Facilitator: *Nadia Ebrahim, Chief Director: Asset Management, Western Cape Provincial Treasury*

11:45 – 12:15

CASE STUDY: Linking governance to municipal performance and financial turnaround

Weak governance often leads to financial mismanagement and poor service delivery in municipalities. This session explores a real-world case study of a successful turnaround driven by governance reforms, accountability and financial strategies. A municipal leader will present key lessons and offers practical strategies and insights to improve municipal performance and financial sustainability.

Senior representative, Standard Bank

12:15 – 13:00

WORKSHOP: Developing strengthened governance structures

The workshop is designed to address the core elements necessary for effective municipal leadership. This includes a deep dive into governance, combating corruption and ensuring robust audit processes and implement AG's recommendations. The goal of the workshop is to equip municipal leaders and officials with the knowledge and practical skills needed to foster transparency, accountability and sustainable development in their respective municipalities.

- Understanding effective governance necessary for today's complex municipal landscape
- A deep dive combating corruption in municipalities

Panellists:

- *Sicelo Xulu, Chairperson of the Board, South African National Energy Development Institute*
- *Blessing Thokozani Mncube, Research, Development and Innovation Manager, uMngeni-uThukela Water*
- *Rodney Moolman, Director, Moolmans Consultancy*
- *Alistair McMaster, Director: Sustainable Energy, Department of Economic Development, Environmental Affairs and Tourism, Eastern Cape Provincial Treasury*

13:00-14:30

Lunch

20 May 2025

GRID MODERNISATION

- | | |
|-------------|---|
| 11:40-12:00 | Empowering Africa: Mastering digital and grid modernization for a resilient future
<i>Jacqui Mills, Senior Solution Architect, Schneider Electric</i> |
| 12:00-12:20 | Transmission in the transition: adapting grids to support clean energy expansion
<i>Andre van der Walt, SMEC</i> |
| 12:20-12:40 | Why the utilisation of different on-site test voltages is beneficial for grid reliability
<i>Johan Pryra, Senior Application Engineer, Megger, South Africa</i> |
| 12:40-13:00 | Presentation title to be announced
<i>Senior representative, GE Vernova</i> |

DIGITALISATION

- | | |
|-------------|--|
| 13:00-13:20 | Cloud-based End-to-End testing of line differential relays: A Novel Single-End Controlled Approach
<i>Dhanabal Mani, Director – Relay software Development – Engineering, Megger Dallas</i> |
| 13:20-13:40 | Developing an Artificial Intelligence (AI) Copilot for critical infrastructure control room operations
<i>Richard Brayshaw, Senior Engineer, NTCSA, South Africa</i> |
| 13:40-14:40 | Smart metering in Europe as a Benchmark for Africa
Moderator:
<i>Jovan Vujasinović, CEO, VF Holding</i>
Speakers: <ul style="list-style-type: none"> • <i>Daniel Bungey, Future Energy Leader at the World Energy Council</i> • <i>Shawn Papi, Senior Advisor, Eskom Holding</i> |
| 14:40-15:00 | Presentation title to be announced
<i>Senior representative, GE Vernova</i> |
| 15:00-15:20 | A novel iterative AI framework for fraud detection in power and water systems using smart meter data
<i>Ihab Mokles, Cuculus, Germany</i> |
| 15:20-15:40 | Partial discharge detection using modern technology
<i>Sandile Ngubane, Technical services manager, Doble Engineering</i> |
| 15:40-16:00 | Protection testing in the real world
<i>Chenal Palhad, Technical Application Engineer, Doble</i> |
| 16:00-16:20 | |
| 16:20-16:40 | |
| 16:40-17:00 | |
| 17:00-17:20 | |

17:30	Networking function
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21 May 2025

GENERATION

12:00-12:20	Micro steam turbines <i>Björn Bülten, Managing Director, JNW, Germany</i>
12:20-12:40	Turbocell <i>Senior representative, Endeavour, United States</i>
12:40-13:00	Presentation title to be announced <i>Senior representative, GE Vernova</i>
13:00-13:20	Tracking changes in utility-scale solar photovoltaics <i>Clyde Mallison, Sizana Solutions</i>
13:20-13:40	Nuclear power <i>Senior representative, NECSA</i>
13:40-14:00	Inspections, testing and certification <i>Igor Djurdjevic, Conformity International</i>
14:00-14:20	Enhanced Method for Insulation Condition Assessment and Temperature Correction of Dissipation Factor (DF) Readings <i>Cusaan Schutte, Application Engineer, Megger, South Africa</i>

DISTRIBUTION

14:20-14:40	Defining Interoperability Requirements for G3-PLC in Utility Specifications <i>Shawn Papi, Senior Advisor, Eskom Holding</i>
14:40-15:00	Presentation to be announced <i>Senior representative, G3-PLC</i>
15:00-15:20	User considerations: behind the meter installations, wheeled energy PPAs or both? <i>Jonathan Hill, Commercial Director, SOLINK</i>
15:20-15:40	Distributed Energy Resources in South Africa <i>Vhuhwavho Munyai, Senior Engineer, Eskom</i>
15:40-16:00	Innovative Hybrid Energy System for LoRaWAN Satellite Communication: A Technical Case Study from BRICS YEA <i>Yolanda Nxumalo, Researcher, BRICS YEA</i>

GENERATION

16:00-16:20	Green Hydrogen Derivatives <i>Noeleen Padayachee Rughoonandan, Senior Process Engineer, Hatch</i>
16:20-16:40	Presentation to be announced
16:40-17:00	Presentation to be announced
17:00-17:20	Presentation to be announced

22 May 2025

09:40-10:00	Presentation title to be announced <i>Senior representative, GE Vernova</i>
10:00-10:20	Presentation to be announced
10:20-10:40	Presentation to be announced
10:40-11:00	Presentation to be announced
11:00-11:20	Presentation to be announced
11:20-11:40	Presentation to be announced
11:40-12:00	Presentation to be announced
12:00-12:20	Presentation to be announced
12:20-12:40	Presentation to be announced
12:40-13:00	Presentation to be announced
13:00-13:20	Presentation to be announced

LUNCH

Enlit Africa's 'Project & Investment Network' is a dynamic platform for in-depth project analysis and strategic collaboration. Bringing together financiers, developers, and key industry players, it drives knowledge exchange through project deep dives, investment briefings, and expert-led masterclasses in interactive roundtables.

With a focus on accelerating project delivery and unlocking innovative financing, the network features targeted sessions designed to support private sector investments and utility/development agency initiatives, paving the way for impactful energy solutions across Africa.

WEDNESDAY 21 MAY PLENARY

POWER UP AFRICA CHALLENGING THE STATUS QUO

09:00-09:05 **Welcome Address**

MISSION 300: PREPARING COMPACT COUNTRIES FOR INVESTMENT

09:05-09:20 This session will examine how Mission 300 is preparing Compact Countries with the right frameworks, policies, and capacity to attract and sustain investment. It will highlight key initiatives, progress on readiness, and pathways for investor engagement, featuring Zambia as a case study of a country advancing toward investment readiness.

Opening address

*Senior Executive, The World Bank**

09:20-10:15

Keynote address

Join leaders from some of the Mission 300 Compact Countries as they share insights on how they are preparing for investment. This discussion will explore policy reforms, infrastructure upgrades, and de-risking strategies designed to attract private sector capital and accelerate energy access.

- Felchesmi Mramba, Permanent Secretary, Department of Energy, Tanzania*
- Senior Executive, Zambia*

SCALING COST-EFFICIENT POWER GENERATION: OVERCOMING BANKABILITY CHALLENGES IN EMERGING MARKETS

10:15-10:20 **Moderator & Setting the Scene:** Sameer Bagwande, Energy & Infrastructure Head, Standard Bank

Opening statements:

10:20-10:25 Karel Cornelissen, CEO, NOA Group

10:25-10:30 Cathy Oxby, Co-Founder & CCO, Africa GreenCo

10:30-11:15 **Discussion points:**

- What are the key challenges to bankability in the current economic and regulatory environment?
- What are the alternatives and how is the market getting comfortable with them?
- How are risks mitigated?
- How do wheeling and aggregation markets reduce default risk and enhance bankability compared to traditional utility contracts?

11:15-11:30

Project Briefing:

11:00-11:45

Refreshment break

HOW POWER POOLS CAN SUPPORT BANKABILITY

11:45-11:50 **Moderator and setting the scene:** Hans-Arild Bredesen, CEO, Bredesen Consulting, Norway

11:50-12:45 This session explores the role of Power Pools in supporting bankability, the status of their operations, and how power generators, traders and consumers can engage in and benefit from the regional markets

Discussion Points:

- Status of regional Power Pool and opportunities for participation
- How power markets reduce risk and attract investment
- What are the key challenges to their full implementation and growth?

Speakers:

- Steve Dihwa, Executive Director, Southern African Power Pool (SAPP)
- Abdoulaye Dia, Secretary General, West African Power Pool (WAPP)
- James Wahogo, Secretary General, Eastern Africa Power Pool (EAPP)*
- Keith Bowen, Senior Manager: Market Operator, Transmission Division, Eskom, South Africa

12:45-13:00 **Project Briefing - The Batoka Gorge Hydroelectric Power Scheme (BGHES)**

A transformative large-scale hydropower project planned on the Zambezi River, 47km downstream of Victoria Falls straddling the border between Zambia and Zimbabwe.

*Edward Kabwe, Finance Director, Zambezi River Authority (ZRA)**

13:00-14:00

Lunch

FOSTERING GREATER PRIVATE SECTOR PARTICIPATION

ROUNDTABLES

PROJECT BRIEFINGS & MASTERCLASS DISCUSSIONS

These roundtable discussions will uncover new investment opportunities, bankable projects, risk mitigation strategies, and key partnerships.

14:00-14:15

Project Brief

14:15-15:30

Briefing – Southern Africa

Briefing –East Africa

Briefing – West Africa

Briefing – South Africa – FiCS Lab & DBSA Carbon Markets Programme

IPP: Ezio Verneti,
Managing Director, Natura Energy

Case Study: Francis Namakanda, Director Planning and Projects, ZESCO*

This discussion will explore opportunities to create carbon offsets from domestic early coal retirement and renewable energy production, as well as potential demand for these credits.

Host: Jonathan First, Senior Advisor, Climate Policy Initiative

Co-Hosts:

- Kumesh Naidoo, Programmatic Infrastructure Specialist, DBSA
- Philip Goyns, Climate Change Advisor, Promethium Carbon

15:30-16:15

Refreshment break

ROUNDTABLES

PROJECT BRIEFINGS & MASTERCLASS DISCUSSIONS

16:15-17:30

Carbon Credits

In collaboration with Carbon Markets Africa Summit (CMA) and Africa's Green Economy Summit (AGES)

Host: To be announced

Expert:

Olivia Tuchten, Director, Promethium Group of Companies

Unlocking Investment in Battery Storage: Risks, Rewards & Opportunities

Host: Adam Roff, Meridian Economics*

Experts:

- Enriko Fourie, Senior Manager, Cresco Group
- Jay Guo, CEO, CHC*

Innovative Financing

Host: Tobi Oluwatola, Associate Director, AP3 Advisory

Project Opportunity:

Edward Kabwe Finance Director Zambezi River Authority - Batoka Gorge project*

Inside the deal

Host: Senior Executive, Standard Bank

17:30

Networking Function

THURSDAY 22 MAY

PLENARY

BUILDING THE GRID

STRENGTHENING UTILITIES WITH TRANSPARENT FINANCIAL MANAGEMENT AND COST RECOVERY

09:30-09:45

Keynote Address & Moderator:

Tilana de Meillon, Senior Operations Officer, Africa, IFC (V)

09:45-10:45

Incentivising private sector participation and ensuring financially viable utilities

Private capital has played a key role funding grid investment around the world including in Latin America and India, but this is still a nascent market in Africa. We discuss the role of private sector in Africa's transmission sector and the incentives that make this an attractive option.

Speakers:

- *Dipak Patel, Senior Advisor: Climate Finance and Innovation, Presidential Climate Commission*
- *Amit Mohan, Head: Private Credit, Climate Fund Managers (SAPP Regional Transmission Infrastructure Financing Facility RTIFF)*
- *Segomoco Scheppers, Interim Chief Executive Officer, NTCSA, South Africa*
- *Erik Knive, CEO, Gridworks**
- *Mete Banda, Project Lead, Enpower**

10:45-11:00

Project brief

11:00-11:45

Refreshment break

ROUNDTABLES

PROJECT BRIEFINGS & MASTERCLASS DISCUSSIONS

These Roundtables bring together investors and industry leaders to explore innovative financial mechanisms unlocking public and private capital. Discussions will highlight project opportunities, funding strategies, partnership models, and real-world case studies, providing actionable insights for investment.

11:45-13:00

Capacitating local manufacturing

Zambia spotlight

Hosts:

- *Senior representative, Energy Regulatory Board, Zambia*
- *Francis Namakanda, Director Planning and Projects, ZESCO*

Country spotlight – TBC

Unlocking Nuclear Investment in Africa

13:00-14:30

Lunch

CLOSING SESSION

14:30-15:30

What Does the New World Look Like?

Africa's Energy Investment in the Age of changing geopolitics

As global priorities shift, especially with changing US and European spending strategies, Africa faces both risks and opportunities. How can the continent continue advancing its development goals while ensuring resilience against external geopolitical shifts?

Discussion Points:

- How are geopolitical funding shifts impacting Africa's energy and infrastructure development?
- What strategies can African governments and private sector players use to mitigate risks and maintain momentum?
- How can Africa proactively shape its own investment narrative to attract stable, long-term capital?

Speakers:

- *Megan Sager, Director, Sustainable Solutions*

20 May 2025

WATER SECURITY PROJECTS ROUNDTABLE DISCUSSIONS

Africa Water Infrastructure Development (AWID)

Exploring how Africa Water Infrastructure Development (AWID) is advancing investment in water and sanitation projects across the continent, with a feature case study example of the Kigali Water Project.

Saad Ul Islam, Investment Director: Infrastructure Equity, British International Investment plc, UK

Australia's Murray-Darling Basin Plan

Effective water management for agriculture and communities.

Dr Amgad Elmahdi, Regional Manager for MENA region, Green Climate Fund, Australia

World Food Programme water conservation

How the World Food Programme is leading the charge in water conservation efforts in water conservation efforts within Africa's Food and Agriculture sector.

Saima Shaanika, Partnership Officer, World Food Programme, South Africa

George Municipality Smart Water Project

11:45-13:00

Improving customer service and non-revenue associated with water losses.

- *Senior Representative, Kamstrup, South Africa*
- *Louw Godfrey, Acting Municipal Manager, George Municipality, South Africa**

South Africa's National Desalination Initiative

Addressing water scarcity through large-scale desalination.

Sean Phillips, Director General, Department of Water & Sanitation, South Africa

Strategic deployment of advanced smart metering technologies

Sherif Kafafi, Chief Executive Office and Managing Partner, Alsharif Group Holding (ASG), Saudi Arabia

Sovereign Foods water recovery Project

A multi-million-rand Water Treatment and Recovery Plant in Kariega. Revolutionising water sustainability and security in Kariega and the Eastern Cape.

- *Carl Haycock, Chief Executive Officer, Talbot, South Africa*
- *Blaine Nell, Key Accounts and Export Manager, Sovereign Food Investments Group, South Africa**

13:00-14:15

Lunch

WATER SECURITY IN COMMERCIAL AND INDUSTRIAL SECTORS

Moderator: *Zaid Railoun, Specialist: Energy and Infrastructure, Standard Bank Group, South Africa*

14:15-14:20

Opening statement

Darshana Myronidis, Group Director of Sustainability, Virgin Group Head Office, UK

14:20-15:30

Panel Discussion: Water-intensive industries and their strategies to secure water resources

Discussion Points:

- Water demand management in agriculture – Improving efficiency in irrigation and water use.
- Plastic manufacturing and water use – Balancing water consumption with sustainability.
- Mining and water security – Addressing water-intensive processes in extractive industries.
- Hospitality industry water stewardship – Water conservation initiatives in hotels and resorts.

Speakers:

- *Matthew Cheney, C&I: Business Development Manager, Hall Core Water, South Africa*
- *Belvana Abeli, FDI Portfolio Manager: Green Economy, Wesgro, South Africa*
- *Juzer Jangbarwala Chief Technology Officer: Renewables & Water, Endeavour, USA*
- *Senior Representative, ERWAT**
- *Natasha Ramikirpal, Group Lead: Water Security, Coca-Cola Beverages Africa, South Africa*

15:30-16:15

Refreshment break

Moderator: *Senior Representative, Strategic Water Partner Network, South Africa*

16:15-17:30

The Water-Energy-Food Nexus: Impact on water security in the commercial and industrial sector

This session will explore how interconnected water, energy, and food demands are influencing water security strategies within commercial and industrial operations, with insights from industries heavily involved in this nexus, such as agriculture, beverage production, and energy generation.

Discussion points:

- Understanding the Water-Energy-Food Nexus: Challenges and Opportunities
- Case Study: Water-Efficient Practices in Agriculture and Beverage Production
- Securing Water Resources in Energy-Intensive Industries
- Innovative Solutions for Sustainable Water Use Across Interlinked Sectors
- Balancing Water Security with Energy and Food Production Demands

Speakers:

- *Ysaac Akinin, Head of Special Projects, Jabu Logistics, Zambia*
- *Alvino Wildschutt-Prins, Programme Manager & Exco Member: Infrastructure Pipeline Delivery & Management, Infrastructure SA, South Africa*
- *Jesston Williams, Executive Director, Tangelic, USA [Digital]*
- *Daniel Viviers-Rasmussen, Head of Sustainable Sourcing and Impact, Newforesight, South Africa*

17:30

Networking Function

21 May 2025

WATER SECURITY AFRICA PLENARY

Chairperson: *Senior representative, VUKA Group*

12:00-12:10

Welcome address

Hon. David Mahlobo, Deputy Minister, Department of Water & Sanitation, South Africa

12:10-12:20

Industry address

*Sipho Mosai, Chief Executive Officer, Rand Water, South Africa**

12:20-12:30

Praveen Balgobind, Chief Manufacturing Officer, Tiger Brands, South Africa

12:30-12:40

*Richard Rivett-Carnac, Chief Executive Officer South African Breweries and BU President South Africa**

12:40-12:50

*Senior representative, Xylem**

13:00-14:15

Networking Lunch

PANEL DISCUSSION: THE GAME CHANGER: REVIEWING UPDATED WATER STEWARDSHIP PROGRAMMES

Moderator: *Helen Hulett, Chief Executive Office, Andwatr, South Africa*

14:15-15:30

A focus on the importance of water stewardship, partnerships, and best practices to ensure sustainable water use. The session will explore the role of public-private partnerships in fostering stewardship.

- Corporate Water Stewardship
- NGO Perspectives on Water Stewardship
- Building Partnerships to Achieve Water Sustainability Goals

Speakers:

- *Nicholas Igwe, Global Head, Organised Private Sector in Water, Sanitation and Hygiene (OPS-WASH), the Global Private Sector Constituency Steering, Nigeria*
- *Senior Representative, Cape Nature, South Africa*
- *Saad Ul Islam, Investment Director: Infrastructure Equity, British International Investment plc, UK*
- *Diana Sibanda, Group Head of Sustainability, Coca-Cola Beverages Africa, South Africa**
- *Senior representative, Xylem**

15:30-16:15

Refreshment break

DRIVING INDUSTRIAL WATER SECURITY: INNOVATION, REGULATION & REVENUE STRATEGIES

Moderator: *Natasha Ramikirpal, Group Lead: Water Security, Coca-Cola Beverages Africa, South Africa*

16:15-16:35

Loss detection and reduction through smart metering

How smart water metering is revolutionising water management by improving efficiency, reducing water losses, and ensuring accountability

Theuns Tait, Product Manager, Conlog

16:35-17:30

Panel: Driving Industrial Water Security: Innovation, Regulation & Revenue Strategies in Water Reuse

- Tariff and sanitation impact on business: How public sector water pricing and sanitation models influence private sector operations.
- Policy enablers: Building a regulatory framework that de-risks reuse adoption and integrates circular economy principles.
- Communication for reuse adoption: Insights from national research on public perceptions and strategies to improve acceptance
- Revenue management for water service providers: Aligning water costs with operational sustainability
- Decentralised water reuse technologies: Opportunities for off-grid industrial users to reduce pressure on municipal systems
- Greywater reclamation: Sector-specific applications in food production, manufacturing, and beverage sectors

Speakers:

- *Jay Bhagwan, Executive Manager: Water Use and Waste Management, Water Research Commission, South Africa*
- *Romain Sormani, Founder & Director at Impact Water Solutions, France*
- *Ntombizanele Mary Bila- Mupariwa, Provincial Head: Western Cape, Department of Water and Sanitation, South Africa*
- *Phillipa Rodseth, Executive Director, Manufacturing Circle, South Africa*

17:30

Networking Function

22 May 2025

MUNICIPAL AND UTILITY WATER

09:00-10:00

Panel discussion: Municipal and Utility Water – Potable Water Delivery and Tariffs

Discussion Points:

- Water Shedding: Navigating Water Shortages in South Africa
- Utility Water Tariffs and Public Sector Strategies for Sustainable Pricing
- Public-Private Partnerships in Utility Water Delivery – Case study on tariff structuring.

Moderator: *Hilton Baartman, Digital Energy Director: Anglophone Africa, Schneider Electric, South Africa**

Speakers:

- *Shyam Misra, Group Managing Director, Siza Water, South Africa*
- *Zahid Badroodien, Councillor, Mayor Committee for Water, City of Cape Town, South Africa*
- *Sherif Kafafi, Chief Executive Office and Managing Partner, Alsharif Group Holding (ASG), Saudi Arabia*
- *Senior Representative, Umgeni Water, South Africa*
- *Senior Representative, Botswana Water Corporation*

FUNDING AFRICA'S WATER FUTURE: BRIDGING THE INFRASTRUCTURE GAP

Moderator: *Amgad Elmahdi, Regional Manager for MENA region, Green Climate Fund, Australia*

10:00-11:00

Discussion Points:

- Landscape of water investment in Africa
- A look at current investment trends and financial models.
- How DFIs and private investors are shaping water security projects.
- Public-Private partnerships in water infrastructure – Enhancing collaboration between governments and investors.
- Exploring the role of climate finance in addressing water security challenges.

Speakers:

- *Mike Smith, Director, Talbot, South Africa*
- *Douglas Anthony, Former VP & Finance Director, American Water Enterprise, USA*
- *Mojabeng Monyama, Head Cities & Water Utilities, Development Bank of South Africa*
- *Rudy Roberts, Founder & CEO, Mega Water Corporation, South Africa*

11:00-11:45

Refreshment break

DEMOCRACY OF LEARNING

PARTNERING WITH AFRICA'S PRIVATE SECTOR TO DRIVE INVESTMENT GROWTH

Facilitator: *Debbie Donaldson, Founder, YourAreWorthit Institute, South Africa*

11:45-13:00

Interactive democracy of learning session: During this session, delegates will actively participate in the discussion process, contributing their ideas and perspectives, making decisions collectively, and essentially treating the conference session as a miniature democratic society, fostering critical thinking, collaboration, and a sense of shared agency in the learning experience

13:00-14:00

Lunch

PROMOTING A CULTURE OF WATER CONSERVATION AND CLIMATE RESILIENCE: ENSURING WATER SECURITY FOR THE FUTURE

Moderator: *Lindiwe Nkabane, Chair, IWA Young Water Professional, South Africa**

14:00-15:00

Discussion Points:

- Water Security in a Changing Climate: Challenges and Opportunities
- Climate-Resilient Water Infrastructure in Africa
- Water Conservation in Agriculture and Water-Intensive Industries
- Engaging Communities to Promote Water Conservation Efforts
- The Role of Policy and Governance in Managing Water Demand
- How Renewable Energy Can Enhance Water Security

Speakers:

- *Patience Mukuyu, Lead Policy Analyst: Water Security and Climate Resilience, Water Aid, South Africa*

- *Kirsty Carden, Associate Professor: Civil Engineering Department, University of Cape Town, Director, Future Water Research Institute*
- *Jethro Zuwarimwe, Professor, University of Venda, South Africa*
- *Vera Massie, Project Manager: Competence Centre Water Management, SA-German Chamber of Commerce and Industry, South Africa**

20 May 2025

WATER EFFICIENCY AND COOLING – IS WATER EFFICIENCY POSSIBLE?

Facilitator: Senior representative, GreenCape*

13:30-14:15

- Juzer Jangbarwala Chief Technology Officer: Renewables & Water, Endeavour, USA
- Senior representative, Standard Bank/Ontec, South Africa
- Senior Representative, Umgeni Water, South Africa

DESALINATION FOR INDUSTRY: OPTIMIZING WATER RESOURCES IN WATER-SCARCE REGIONS

14:20-15:30

This masterclass focuses on the practical application of desalination technologies in the commercial and industrial sectors, particularly in water-scarce regions. We will explore how industries can leverage desalination to ensure operational continuity, reduce reliance on traditional water sources, and enhance water security. Case studies will focus on Cape Town's long-term desalination plans, Morocco's urban water desalination projects, and the potential for desalination in Gauteng.

Facilitators:

- Zahid Badroodien, Councillor, Mayoral Committee for Water, City of Cape Town, South Africa
- Senior Representative, ACWA Power
- André Theys, Executive Manager: Operations, V&A Waterfront, South Africa*

YOUTH IN WATER FORUM:
INNOVATORS DRIVING CHANGE IN WATER RESOURCE MANAGEMENT

Facilitator: Senior representative, ESI Africa

The Youth in Water Forum at Water Security Africa will spotlight young innovators revolutionizing water resource management through cutting-edge technology and community-driven solutions. This session will explore AI-powered advancements, revenue management strategies, and engagement tools shaping the future of sustainable water governance.

15:30-16:30

Insight into water management tools to address revenue management and community engagement

- Thandeka Jwara, Chairperson: KwaZulu Natal Alumni Committee, Member of the Academic Advisory Committee for Water Care, South Africa
- Phindiwe Hlalatu, Plant Manager - King Cetshwayo Municipality*
- Lindiwe Nkabana, Chair, IWA Young Professionals South Africa*

21 May 2025

**BUILDING A WASTE FREE WORLD:
THE FUTURE OF WASTEWATER MANAGEMENT**

- 10:00-10:15 **Coal ash water treatment**
Musa Maluleke, Senior Civil Engineer, Eskom Rotek Industries, South Africa
- 10:15-10:30 **Challenges and innovations in waste management**
Precious Nyarambi, Founder, Elohay Cleaners, Zambia
- 10:30-10:45 **Topic: TBC**
Senior Representative, Umgeni Water, South Africa

WATER EFFICIENCY AND TECHNOLOGY INNOVATIONS FOR LARGE WATER USERS

- 10:45-11:15 **Product Showcase: Smart Metering Solutions**
*Senior representative, Hexing Electrical**
- 11:15-11:30 **Updated water efficiency and sustainability mechanisms in agriculture commercial sector**
Mariam Nalomba, Chief Executive Officer, Shais Food, Zambia
- 11:30-11:45 **Case Study: Zambezi Eye Leak resistant toilets cistern to reduce water losses and non-revenue water in municipalities**
Les Langa, Director, Zambezi Sanitation, South Africa

11:45-12:00 Refreshment Break

INTEGRATED APPROACHES

- 12:00-12:15 **Current needs for the water-energy nexus specifically for electricity generation**
Vasanie Pather, Senior Manager, Eskom, South Africa
- 12:15-12:30 **Smart water management in agriculture and industry**
Ysaac Akinin, Head of Special Projects, Jabu Logistics, Zambia
- 12:30-12:45 **Understand how decentralized renewable energy and water systems can address Africa's energy and water challenges**
Katleho Mojakisane, Sustainable Futures Coordinator, Tangelic, South Africa
- 12:45-13:00 **Harnessing data and artificial intelligence for smart water security**
Boitumelo Matshediso, Analytics Business Unit Lead, Talbot, South Africa
- 13:00-13:15 **Reducing non-revenue water**
Cleopas Sanangura, Group Chief Executive Office, Thamani Technologies, South Africa

MANAGING WATER RESOURCES UNDER CHANGING CLIMATE CONDITIONS

- 13:30-13:45 **Conserving freshwater resources, water treatment efficiency**
Esper Jacobeth Ncube, Manager Process Technology, Rand Water, South Africa
- 13:45-14:00 **Topic: TBC**
*Thobekile Gambu, Sustainability Lead, Umgeni Water**
- 14:00-14:15 **Contaminant of energy concern water recovery technology safety**
Alex Hesketh, Technical Director, Talbot, South Africa

**GREENCAPE HOSTED WORKSHOP:
UNLOCKING ECOSYSTEM SUPPORT FOR SCALING WATER SECURITY INITIATIVE**

14:30-15:45

22 May 2025

FIRESIDE CHAT: SECTOR VOICES

- 10:30-11:30 **ESG Reporting and Smart Water Systems - innovations, systems and incentives**
- Keenan George, CEO, Smart View Technology, South Africa
 - David Fulton, Director, Reddrek Water Security & Utilities Management, South Africa

INNOVATIONS AND TECHNOLOGIES IN WATER SECURITY

- 11:30-11:45 **AI & Automation- Leverage smart technologies for efficient water**
*Phindile Msomi, group CEO, Hazile Group, South Africa**
- 11:45-12:00 **Advanced wastewater treatment technological applications in using modified constructed wetlands to extract heavy metals and organic compounds in municipal water**
*Rembu Magoba, Water Centre Manager, CSIR**
- 12:00-12:15 **Challenges faced under Water Services Authorities with the 4 ID (Industrial Revolution)**
Blessing Ndlovu, Senior Engineering Technician, Newcastle Land Municipality, South Africa
- 12:15-12:30 **Case Study: Restoration of Lake Chad**
Olowatuyi Olowoyeye, Research Assistant, Iowa State University, Nigeria
- 12:30-12:45 **Circular water system for the paper and cardboard industry**
Speaker to be announced
- 12:45-13:00 **Electrodialysis and nitrate reduction to produce ammonia from agricultural wastewaters**
Speaker to be announced
- 13:00-13:15 **Case study: updated learnt lessons on Heinekens Biogas water treatment plant**
Speaker to be announced
- 13:15-13:30 **Treatment of alternative water sources to potable standard for industrial reuse**
Speaker to be announced
- 14:00-15:00 **Closing session – open to all**

21 May 2025

ADVANCING THE ROLE OF WOMEN IN ENERGY & TACKLING GBV

POWERING THE FUTURE – STANDARD BANK'S COMMITMENT TO YOUTH & ENERGY LEADERSHIP

Host: Senior representative, Standard Bank

14:00-14:05

Welcome & Introduction

- A commitment to youth and gender empowerment.
- Success stories from past initiatives.
- Setting the stage for today's fireside chat and the launch of the Standard Bank Future Females IN Energy Initiative.

14:05-14:30

Fireside Chat: The Standard Bank Journey – Voices of Impact

Panelists: Past beneficiaries of Standard Bank's youth programs.

14:30-14:45

Launch of the Standard Bank Future Females IN Energy Initiative

Speakers: Standard Bank

14:45-14:50

Closing Remarks & Next Steps

WOMEN IN GREEN ENERGY – OPPORTUNITIES, RETENTION AND BREAKING BARRIERS

Moderator: To be announced

15:00-15:05

Welcome & introduction

15:05-15:15

Unlocking opportunities for women in green energy

- DTIC's role in promoting women's participation & entrepreneurship.
- STEM education, mentorship & leadership pathways.

15:15-15:25

Overcoming barriers to retention & career advancement

Workplace culture, gender bias, and leadership pathways

15:25-15:30

Breaking barriers: A segue into the Women in Energy GBV session

Addressing GBV as a structural barrier in the energy sector.

Call to action for industry-wide accountability & safe workplaces

15:30-16:00

Refreshment break

WOMEN IN ENERGY – CREATING SAFE, INCLUSIVE WORKPLACES- A CALL TO ACTION

Moderator: To be announced

16:00-16:10

Keynote Address:

Speaker to be announced

16:10-16:50

Panel Discussion:

- Understanding GBV (harassment, discrimination, violence)
- Leadership's role in creating safe workplaces.
- Policies & best practices for addressing GBV
- Actionable steps for fostering inclusivity & accountability

16:50-17:05

Question and answers

17:05-17:20

Self-Defense for Empowerment

17:20-17:30

Wrap and Group photograph

17:30-19:00

WomenIN Networking function



Options to attend



	FREE EXPO VISITOR	WATER PACKAGE	SILVER PACKAGE	GOLD PACKAGE	PLATINUM PACKAGE	PROJECT & INVESTMENT NETWORK PACKAGE 21 - 22 MAY
DURING EVENT			R15,353	R16,880	R20,836	R25,000
Exhibition Floor	✓	✓	✓	✓	✓	✓
Hub Sessions - Basic	✓	✓	✓	✓	✓	✓
Networking function	✓	✓	✓	✓	✓	✓
Projects & Investment Network sessions	-	-	-	-	-	✓
Access to Municipal Village and Water Track	-	✓	✓	✓	✓	✓
Matchmaking	-	✓	✓	✓	✓	✓
Strategic Conference Sessions	-	-	✓	✓	✓	✓
Lunch	-	✓	✓	✓	✓	✓
Teas & Coffees	-	✓	✓	✓	✓	✓
Roundtables	-	-	✓	✓	✓	✓
Networking dinner - 21 May	-	-	-	✓	✓	✓
Site Visit	-	-	-	-	✓	✓

ADDITIONAL

Dinner only - 20 May 2025

R1,986

Site visit pass only - 23 May 2025

R6,850

*** Registration prices exclude 15% VAT payable by law plus 6% administration and processing fee.*

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