

# aee Africa

## ENERGY CONFERENCE

In collaboration with

saee
Southern African Energy Efficiency CONFEDERATION

**October 28 - 29, 2026 | V&A Two Oceans Aquarium, Cape Town**

## POWERING KNOWLEDGE • CONNECTING PEOPLE

# SHAPING THE FUTURE OF ENERGY EFFICIENCY

### A Regional Event Held in Africa for Energy Efficiency & Sustainability Professionals

Two days of insight, innovation and opportunity . Pre- and Post-Conference Activities
Bringing Africa's energy community together to learn, connect and lead change



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aeeafrica.org | events@saeeconfed.org.za | events@aeecenter.org

# V&A Two Oceans Aquarium and shark tank

**Join us for the AEE Africa Conference in a setting that brings the importance of sustainable future vividly to life.**

**Connect with fellow energy professionals, exchange ideas and explore opportunities to advance Africa's energy future, with an underwater world waiting to be discovered during your visit.**








**YOUR CONFERENCE REGISTRATION INCLUDES:**
**A FREE TWO-DAY AQUARIUM PASS**
**Enjoy complimentary access to the Two Oceans Aquarium, including the shark tank viewing area, for two days as part of your conference registration.**

**Take a moment to explore the exhibits, watch sharks glide through the water and experience the beauty of marine life. It's an opportunity to add something memorable to your conference experience and reconnect with the natural world our sustainability efforts help protect.**

***Complimentary two-day aquarium access included with your conference registration.***

**Connect. Learn. Explore.**

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# Empowering the People Who Power Our World.

The Association of Energy Engineers



A WELCOME FROM AEE

**October 28-29, 2026**

**V&A Two Oceans Aquarium**
Cape Town South Africa

AEE Africa ENERGY CONFERENCE

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POWERING KNOWLEDGE
CONNECTING PEOPLE
**SHAPING THE FUTURE**

## Welcome to the 2026 AEE Africa Energy Conference

**Dear Delegates, Speakers, and Partners,**

On behalf of the Association of Energy Engineers (AEE), welcome to the **2026 AEE Africa Energy Conference**. We are proud to host this regional event, in collaboration with the Southern African Energy Efficiency Confederation (SAEEC), for energy efficiency and sustainability professionals across Africa.

Under the theme "Powering Knowledge • Connecting People • Shaping the Future", these two days bring together presenters from 16 countries to share insights on industrial energy efficiency, energy management, measurement and verification, carbon and ESG practices, energy policy, financing, building performance, and renewable energy.

Beyond the conference session, we invite you to take part in:

| | | | |
|---|---|---|---|
| **Oct 27** | **Oct 28** | **Oct 28** | **Oct 30** |
| Pre-conference workshops | Africa M&V Knowledge-Sharing Forum | SAEEC Energy Awards & Certification Ceremony | Post-conference technical site tour |

We extend our sincere thanks to SAEEC, our Conference Co-Host Sponsor, the Energy Efficiency in Public Buildings & Infrastructure Programme (EEPBIP); the Deparment of Electricity and Energy, SANEDI, NBI, GIZ, and the Mitigation Action Facility for their support; and our track sponsors, exhibitors, media partner, and speakers, whose contributions make this program possible.

We encourage you to ask questions, share lessons from your market, and build relationships that continue well beyond these two days. Welcome to Cape Town, and thank you for being part of the conversation.

Sincerely,

William Kent

**Bill William Kent**
Executive Director, Association of Energy Engineers



Powering Partnerships. Driving Impact.

# Our Sponsors

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## Track Sponsors

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## Media Partner

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**A Regional Event Held in Africa for Energy Efficiency & Sustainability Professionals**

Presentations from the following countries:

- South Africa
- Bangladesh
- Cameroon
- Egypt
- France
- Germany
- Ghana
- Kenya
- Nigeria
- Qatar
- Senegal
- Tanzania
- Uganda
- United Arab Emirates
- United States of America
- Zimbabwe

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UNIDO

# Energy Management System (EnMS) Executive Workshop & Energy Metrics

*AEE Africa with SAEEC Pre-Conference Event for Registered and Eligible Delegates only*

**Pre-Conference Activity 1 | Tuesday, October 27, 2026**

**LIMITED SEATS AVAILABLE**

**Workshop | Workshop 17 Venue**

**08:30 - 16:30**

## Objectives

- Understand the benefits of a systematic approach to energy management
- Awareness and understanding of the various components and requirements of an EnMS
- Building the business case for an EnMS
- Understand the importance of energy metrics
- Improve your energy performance by starting with your own EnMS implementation
- Upcoming EnMS expert level training in three provinces

## Outcomes

Audience will be able to:

- Outline the elements of an EnMS.
- Articulate the benefits of an EnMS and ISO 50001.
- Find and source the assistance and services offered by the UNIDO project and where to find additional resources and information.
- Understand top management support.
- Initiate the development and implementation of an EnMS.

## Audience

- Science and engineering under- and post-graduate students and consultants, environmental auditors and managers, plant operations and SHEQ managers, academia.

**ENQUIRIES:**
**events@saeeconfed.org.za**

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# Scaling energy efficiency investments through Energy Performance Contracting (EnPCs)

*AEE Africa with SAEEC Pre-Conference Event for Registered and Eligible Delegates only*

**Pre-Conference Activity 2 | Tuesday, October 27, 2026**

**Workshop | Aquarium Room**

**08:30 - 16:30**

Energy Efficiency remains one of the most underutilised opportunities for organisations seeking to reduce operating costs, improve competitiveness, and enhance sustainability. Every day, organisations forfeit significant financial savings due to delayed decision-making and the slow implementation of energy efficiency projects. While the benefits of energy efficiency are well established, the upfront capital investment required to implement projects often remains a major barrier.

Energy Performance Contracting (EnPC) offers a transformative solution by unlocking private and public sector capital to accelerate large-scale investment in energy efficiency. Through a performance-based approach, EnPC enables organisations to implement energy-saving projects with reduced financial risk, with project costs repaid from verified energy savings achieved over time.

This workshop will introduce the fundamental principles of Energy Performance Contracting (EnPC) and provide practical insights into the technical, financial, and contractual aspects of developing bankable energy efficiency projects.

Participants will gain an understanding of the EnPC project lifecycle, measurement and verification requirements, risk allocation, financing mechanisms, and the roles of key stakeholders in delivering successful projects. The workshop will equip attendees with the knowledge and tools needed to structure, finance, and implement successful energy performance contracts.

## Audience

This workshop is designed for:

- Energy Services Companies (ESCOs)
- Facility and Energy Managers, Sustainability and ESG Professionals
- Engineers, Technical Specialists, Project Developers and Energy Consultants
- Representatives from national, provincial, and local government institutions
- Public sector infrastructure and asset managers
- Financial institutions and investors
- Procurement and Supply Chain Management (SCM) practitioners
- Policymakers and regulators
- Other decision-makers seeking to accelerate energy efficiency investments through Energy Performance Contracting

## Topics to be covered

- Introduction to Energy Performance Contracting (EnPC)
- Developing a Bankable EnPC Business Case
- Financial Modelling for Energy Efficiency Projects
- Commercial Structures and Risk Allocation in EnPC Projects
- Measurement and Verification (M&V) for Energy Performance Contracts
- Energy Performance Contracting Best Practices and Lessons Learned

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# Unlocking Energy Savings Through Efficient Lighting Retrofits: Fundamentals and Compliance Best Practices

*AEE Africa with SAEEC Pre-Conference Event for Registered and Eligible Delegates only*

**Pre-Conference | Tuesday, October 27, 2026**

**Workshop | Ocean Hub Room** **08:30 - 11:00**

Energy-efficient lighting retrofits are often the first step in an organisation's energy efficiency and sustainability journey. Lighting is familiar to everyone, making simple actions, such as switching off unused lights, an effective way to save energy and encourage responsible use.

However, successful retrofits require more than replacing lamps. A disciplined approach to lighting design, efficient technologies and smart controls helps maximise savings while meeting the needs of those using the space.

Well-designed lighting systems offer benefits beyond illumination, including lower operating costs, improved safety, reduced environmental impact, and more comfortable, attractive and productive spaces. For streetlighting, smart controls and artificial intelligence can also support traffic monitoring, crime prevention, air quality monitoring and integrated digital services.

These applications demonstrate how strategic lighting investments can contribute to economic development, sustainability, public safety and quality of life.

Facilitated by the **Illumination Engineering Society of South Africa (IESSA)**, this workshop revisits the fundamentals of energy-efficient lighting, explores the latest technologies and innovations, and shares best practices for designing and implementing effective retrofits. Participants will gain practical insights into maximising energy savings while maintaining lighting performance, user comfort, functionality and occupational safety standards, helping them make informed decisions about lighting upgrades in buildings and public spaces.

## Outcomes

Participants will:

- Learn lighting fundamentals, energy-efficient technologies and key design principles
- Explore the latest innovations, smart controls and intelligent lighting systems
- Understand compliance requirements, standards & occupational safety considerations
- Identify and quantify energy-saving opportunities
- Learn to design & implement bankable lighting retrofit projects
- Maximise savings, maintaining user comfort, functionality and safety

## Audience

This workshop is intended for:

- Energy Services Companies (ESCOs)
- Energy managers and facility managers
- Sustainability and ESG practitioners
- Public sector infrastructure and asset managers
- Municipal technical officials
- Engineers, technologists, and energy consultants
- Building owners, property managers, Operations and maintenance personnel
- Procurement and Supply Chain Management (SCM) practitioners
- Project developers and financiers interested in energy efficiency investments
- Researchers, academics, and students in the energy and built environment sectors

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# People-Centred Energy Transition: Incorporating Gender Equality and Social Inclusion (GESI) Perspectives in the Design and Implementation of Energy Efficiency Programmes

*AEE Africa with SAEEC Pre-Conference Event for Registered and Eligible Delegates only*

**Pre-Conference | Tuesday, October 27, 2026**

## Workshop | Ocean Hub Room

**11:15 - 13:00**

Energy efficiency goes beyond saving energy and reducing emissions. It creates jobs, lowers household and business costs, improves health and productivity, and strengthens public service delivery. To ensure these benefits reach everyone, communities and individuals must be central to programme design, particularly those historically excluded from economic opportunities.

This workshop introduces Gender Equality & Social Inclusion (GESI) in energy efficiency programmes and projects. Participants will gain practical methods and tools to integrate GESI throughout the project lifecycle, from planning and procurement to implementation, monitoring, evaluation and reporting.

Through practical examples, the session will explore how to address systemic barriers, expand economic opportunities and ensure equitable participation and benefits for women, youth, persons with disabilities and other underrepresented groups. Participants will be equipped to develop initiatives that deliver energy savings alongside meaningful socio-economic impact.

The workshop also marks the official launch of the GESI Toolkit, developed under the Energy Efficiency in Public Buildings and Infrastructure Programme (EEPBIP). This adaptable resource helps organisations design and implement energy efficiency initiatives that respond to diverse needs and actively address inequalities.

### By the end of the workshop, participants will be able to:

- Understand the socio-economic benefits of a people-centred energy transition
- Recognise the value of GESI in energy efficiency programmes
- Apply GESI principles in design, procurement, implementation & monitoring
- Expand participation & benefits for women, youth, persons with disabilities and underrepresented groups
- Use the EEPBIP GESI Toolkit to improve inclusion and impact

### The workshop is intended for:

- Energy Service Companies (ESCOs)
- Government representatives
- Public infrastructure and facilities managers
- Industrial and commercial energy users
- Civil society and community practitioners
- Banks and development finance institutions
- Energy developers and consultants
- Procurement and SCM practitioners
- ESG professionals
- Policymakers and regulators
- Researchers and academia
- Monitoring, Evaluation and Learning specialists
- Development partners and donors

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# Energy Efficiency Networks: From International Experience to Opportunities for South Africa

Energy Partnership
Energiepartnerschaft
South Africa - Deutschland

**Pre-Conference Activity 2 | Tuesday, October 27, 2026**

**Workshop | Ocean Hub Room**

**13:00 - 17:00**

Energy Efficiency Networks (EENs) have proven to be an effective instrument enabling companies to exchange experiences and best practices on implementing energy efficiency measures, thereby reducing energy costs and GHG emissions, among other benefits. Networks also support capacity building and typically comprise around 10 participating companies. In Germany, around 500 networks involving more than 4,000 companies have been established through the Networks' Initiative.

On average, an EEN achieves annual savings of around 38.5 GWh of final energy and 11.7 kt of $CO_2$-equivalent, with significantly higher savings possible in energy-intensive industries. The EEN concept is also being implemented internationally, including in China, Brazil and Nigeria.

The South African-German Energy Partnership, implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, with the support of the German Energy Agency (dena), is exploring the potential for EENs in South Africa.

Building on an initial assessment, the workshop will bring stakeholders together to discuss the potential application of EENs in South Africa and explore opportunities, barriers and possible pathways towards pilot initiatives.

## Objectives

- Present and discuss the EEN concept and its potential application in South Africa
- Validate opportunities, barriers and enabling conditions for EENs in the South African context
- Explore potential pathways and next steps towards EEN pilot initiatives

## Audience

- Representatives of companies, technical consultants, energy auditors and energy managers interested in energy efficiency and the EEN concept
- Representatives of South African public institutions, business associations and international organisations
- Representatives of Special Economic Zones (SEZs) and Eco-Industrial Parks

## Outcomes

Participants will:

- Understand the EEN concept, approach and potential benefits
- Gain insight into the potential and key enabling conditions for EENs in South Africa
- Contribute to identifying potential sectors, partners and approaches for pilot initiatives

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**Registration: 07:00 - 08:30**

**Avenue Foyer, Ground Floor**

**Opening Session**

**Main Hall, 1st Floor**

## Day 1 | Wednesday, October 28, 2026

## Opening Session — 08:45 - 10:00

**INTRODUCTIONS AND SAFETY** — 08:45 - 08:50
- MR. GARETH BURLEY | MASTER OF CEREMONIES

**WELCOMING** — 08:50 - 09:00
- MR. BILL KENT | EXECUTIVE DIRECTOR · ASSOCIATION OF ENERGY ENGINEERS · UNITED STATES OF AMERICA

**OPENING KEYNOTE ADDRESS** — 09:00 - 09:25
- DR. KGOSIENTSHO RAMOKGOPA | MINISTER OF ELECTRICITY AND ENERGY · SOUTH AFRICA

**KEYNOTE SPEAKER** — 09:25 - 09:40
- ENG. EDWARD MWIRIGI KINYUA, PE, OGW | DIRECTOR GENERAL · ENERGY AND PETROLEUM REGULATORY AUTHORITY (EPRA) · KENYA

**KEYNOTE SPEAKER** — 09:40 - 09:50
- MS. SHAMEELA SOOBRAMONEY | CEO · NATIONAL BUSINESS INITIATIVE (NBI) · SOUTH AFRICA

**KEYNOTE SPEAKER** — 09:50 - 10:00
- MR. GRAHAM WOOD | CEO · V&A WATERFRONT · SOUTH AFRICA


Mr. Bill Kent


Dr. Kgosientsho Ramokgopa


Eng. Edward Kinyua


Ms. Shameela Soobramoney


Mr. Graham Wood

**TEA & COFFEE BREAK** — 10:00 - 10:25

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## Avenue Foyer, Ground Floor

## Main Hall, 1st Floor

EEPBIP | Energy Efficiency in Public Buildings & Infrastructure Programme

**Day 1 | Wednesday, October 28, 2026**

## Panel Discussion 1

**10:25 - 11:15**

### LEVERAGING PERFORMANCE-BASED CONTRACTING TO ACCELERATE INVESTMENT IN ENERGY EFFICIENCY, WATER EFFICIENCY, AND SUSTAINABLE INFRASTRUCTURE MODERNISATION

Achieving the goal of doubling energy efficiency by 2030 will require decisive policy action and innovative financing mechanisms that unlock unprecedented levels of investment, catalyse market transformation, and accelerate the transition to sustainable infrastructure.

This session will explore the transformative role of Performance-Based Contracting (PBC) in scaling energy and water efficiency investments by leveraging public and private capital, reducing implementation risk, and fostering a robust Energy Services Company (ESCO) market across South Africa and the African continent.

**OPENING REMARKS: MS. FAITH MKHACWA · GM · SANEDI**

- MS. FAITH MKHACWA · GENERAL MANAGER ENERGY EFFICIENCY DEMAND SIDE MANAGEMENT · SANEDI
- MS. SHAMEELA SOOBRAMONEY, CHIEF EXECUTIVE OFFICER, NBI
- MS. SIHLOBISILE MOTLOMELO, SENIOR ACCOUNT MANAGER: CO-FUNDING PARTNERSHIPS, IDC

**PANEL MODERATOR: CHRIS MBORI, AIM, UNITED STATES OF AMERICA**

- MS. RASHVEER MANILAL, HEAD OF RENEWABLE ENERGY,ABSA
- MR. JOHANN LUBBE, HEAD OF THE WATER PARTNERSHIP OFFICE, DBSA



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**Avenue Foyer, Ground Floor**

**Main Hall, 1st Floor**

EEPBIP | Energy Efficiency in Public Buildings & Infrastructure Programme

**Day 1 | Wednesday, October 28, 2026**

## Panel Discussion 2 — 11:15 - 11:55

### FROM CONCEPT TO IMPACT: SUCCESS STORIES IN ENERGY PERFORMANCE CONTRACTING

What becomes possible when energy performance, innovation, and investment converge? This panel discussion brings together organisations and practitioners who have successfully implemented Energy Performance Contracting (EnPC) projects to share their experiences, insights, and lessons learned.

Through practical case studies, panellists will demonstrate how performance-based contracting can unlock investment in energy efficiency, reduce operating costs, enhance infrastructure performance, and deliver measurable sustainability outcomes.

The discussion will also explore emerging opportunities to strengthen EnPC business cases through additional environmental value streams, including carbon credits and other climate-related incentives, demonstrating how these mechanisms can create value beyond energy savings.

**PANEL MODERATOR: MS. NGOANATHARI MAJA, EEPBIP PROJECT MANAGER · *SANEDI***

- MR. LOUIS BOSCH, ARCELORMITTAL, SOUTH AFRICA
- MR. SHELDON BODE, ENERGY DRIVE, SOUTH AFRICA
- MR. AYODEJI DADA, STRATAGEM, NIGERIA
- MR. CHRIS MBORI, AIM, UNITED STATES OF AMERICA
- MR. JAN-PAUL SPANGENBERG, DELTA CARBON, SOUTH AFRICA

**LUNCH BREAK** — 12:00 - 12:45

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# Conference Programme

# Day 1 | Wednesday, 28 October 2026

**Lunchbreak** 12:00 - 12:45

**Session 1 | 12:45 - 14:45**

## TRACK A — *Aquarium Room*

### INDUSTRIAL ENERGY EFFICIENCY

sasol reaching new frontiers

MODERATOR: ***LESEGO GAEGANE***

**COERT WELMAN, SASOL, SA** — 12:45 - 13:15

DRIVING OPERATIONAL EXCELLENCE THROUGH VISUAL MANAGEMENT OF REAL TIME ENERGY MONITORING AND STEAM TRAP DASHBOARDS

**AKAMITL QUEZADA, GIZ ENERGY PARTNERSHIP & DENA, GERMANY** — 13:15 - 13:45

ENERGY EFFICIENCY NETWORKS: AN EFFECTIVE APPROACH FOR ENERGY AND COST SAVINGS WITH POTENTIAL FOR SOUTH AFRICAN INDUSTRY

**DANIEL DIGBER, ENVIRONMENTAL PROTECTION AGENCY, GHANA** — 13:45- 14:15

ANALYSIS OF ENERGY EFFICIENCY POLICY AND REGULATIONS IN THE IRON AND STEEL INDUSTRY IN GHANA

**SYED ABBAS RAZA, DOHA UNIVERSITY, QATAR** — 14:15 - 14:45

RETROFIT APPROACH FOR PROCESS AND ENERGY OPTIMIZATION IN CRUDE OIL REFINERY AND DOWNSTREAM PROCESSES. AN OPPORTUNITY FOR REDUCTION IN CARBON FOOT PRINT

## TRACK B — *The Shark Tank*

### ENERGY MANAGEMENT AND M&V

EEPBIP | Energy Efficiency in Public Buildings & Infrastructure Programme

MODERATOR: ***FRANCO BARNARD***

**KAREL STEYN, MEASUREMENT & VERIFICATION COUNCIL AFRICA (MVCA), SA** — 12:45 - 13:15

THE IMPORTANCE OF CREDIBILITY AND QUALITY ASSURANCE OF EE IMPLEMENTATION AS A CRITICAL PILLAR TO ADVANCE PERFORMANCE BASED CONTRACTING

**MALIK KHAN, DALKA US CHILLERS, UAE** — 13:15 - 13:45

BEYOND RETROFITS-INTEGRATING INSTRUMENTATION INTEGRITY AND HUMAN-IN-THE-LOOP STRATEGIES FOR DISTRICT COOLING OPTIMIZATION

**PRIYA VEERANNA, GENZERO SOLUTIONS, SA** — 13:45- 14:15

LEADERSHIP, GOVERNANCE, AND ENMS: WHY MOST SYSTEMS FAIL AT THE TOP

**RUHAN THEUNISSEN, ENERGY PARTNERS, SA** — 14:15 - 14:45

INDUSTRIAL NET-ZERO? YES IT IS POSSIBLE

## TRACK C — *Ocean Hub Room*

### CARBON & ESG PRACTICES

MODERATOR: ***JAN-PAUL SPANGENBERG***

**HENK SA, BRUNDTLAND, SA** — 12:45 - 13:15

THE TAX THAT CRIED WOLF AND WHY IT'S NO LONGER CRYING

**MILA VICQUERY, ENERGY PARTNERS, SA** — 13:15 - 13:45

FROM ESG REPORTING TO REAL IMPACT: TURNING DATA INTO DECISIONS

**JANINE PASCOE, SLR CONSULTING, SA** — 13:45- 14:15

DECARBONISATION DISRUPTED: A NEW CORPORATE PLAYBOOK

**MARC TISON, THE CARBON FUND, USA** — 14:15 - 14:45

UNLOCKING COMPLIANCE-GRADE CARBON CREDITS

**AFTERNOON TEA & COFFEE BREAK** 14:45 - 15:00

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# Conference Programme

# Day 1 | Wednesday, 28 October 2026

**Afternoon Tea & Coffee Break** 14:45 - 15:00

**Session 2 | 15:00 - 17:00**

## TRACK A
## INDUSTRIAL ENERGY EFFICIENCY

*Aquarium Room*

sasol reaching new frontiers

**MODERATOR:** ***LESEGO GAEGANE***

**ALBERT WILLIAMS, INSTITUTE OF ENERGY PROFESSIONALS AFRICA, SA** 15:00 - 15:30

THE MOST ECONOMICAL INTERVAL TO REPLACE MOTORS AND PUMPS: A LIFECYCLE COST APPROACH

**AADIL KAJEE, ENERGY DRIVE, SA** 15:30 - 16:00

YOUR MOTORS ARE INEFFICIENT (YOU ALREADY KNOW THIS). SO WHY HASN'T ANYTHING CHANGED?

**AMR ABUMADY, EGYPTIAN PROJECTS O&M, EGYPT** 16:00 - 16:30

OPEN-SOURCE MACHINE LEARNING FOR REFINERY ENERGY OPTIMIZATION: A BUILD-IT-YOURSELF ROADMAP FOR AFRICAN OPERATORS

**MOHAMMAD ALAM, SQUARE HOSPITALS, BANGLADESH** 16:30 - 17:00

THE INTEGRATED UTILITY ECOSYSTEM: DESIGNING, OPERATING, AND PROTECTING THE TOTAL POWER AND MECHANICAL INFRASTRUCTURE OF A LARGE INDUSTRIAL CAMPUS

## TRACK B
## ENERGY MANAGEMENT AND M&V

*The Shark Tank*

EEPBIP | Energy Efficiency in Public Buildings & Infrastructure Programme

**MODERATOR:** ***FRANCO BARNARD***

**ALBERT VAN ANTWERPEN, CFJM SOLUTIONS, SA** 15:00 - 15:30

LESSONS LEARNED FROM INSTALLING METERING SYSTEMS FOR M&V PURPOSES

**SIMMIE REDDY, MVCA, SA** 15:30 - 16:00

PROVING THE INVISIBLE - THE STATISTICS REQUIRED FOR M&V

**CHRISTO VAN DER MERWE, CFJM SOLUTIONS & IEPA, SA** 16:00 - 16:30

THE INTEGRATION AND PRACTICAL USE OF STATISTICAL ERRORS (UNCERTAINTY) IN M&V RESULTS

**PIETER DE VILLIERS, EY, SA** 16:30 - 17:00

WHAT MAKES A GOOD M&V MODEL? MANAGING RISK THROUGH REALITY, STATISTICS, AND BOUNDARIES

## TRACK C
## CARBON & ESG PRACTICES

*Ocean Hub Room*

**MODERATOR:** ***JAN-PAUL SPANGENBERG***

**BJORN SMIDT-HART, SA** 15:00 - 15:30

THE ENERGY–CARBON–LIFECYCLE FRAMEWORK: A NEW MODEL FOR SCALABLE DECARBONISATION IN AFRICAN CITIES AND INDUSTRY

**TIM WHITAKER, UNHCR, KENYA** 15:30 - 16:00

DECARBONISING DEEP-FIELD HUMANITARIAN SITES IN AFRICA AND MIDDLE-EAST: CHALLENGES, LEARNINGS AND OUTCOMES

**REABETSOE KGOEDI, AFRICA ENERGY LEADERSHIP CENTRE (AELC), SA** 16:00 - 16:30

ASSESSING DECARBONISATION INITIATIVES IN THE AUTOMOTIVE INDUSTRY: A CASE STUDY OF SOUTH AFRICAN OEMS IN THE EASTERN CAPE

**EL HADJI AMADOU SOW, SENEGAL** 16:30 - 17:00

OPERATIONALISING ESG STANDARDS FOR ENERGY RESILIENCE IN AFRICA: STRATEGIES AND SOCIAL IMPACTS

**MVCA: Advancing Measurement & Verification Across Africa** 17:00 - 18:30

**SAEEC Energy Awards & Certification Ceremony** 18:30 - 22:00

**A Regional Event Held in Africa for Energy Efficiency & Sustainability Professionals.**

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**NOTE:** Every effort has been made to confirm the programme. However, speaker availability, travel arrangements or unforeseen circumstances may require changes. Thank you for your understanding.

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# Advancing Measurement & Verification Across Africa

## 28 October 2026 | Two Oceans Aquarium V&A Waterfront

*AEE Africa with SAEEC Conference Event for Registered and Eligible Delegates only*

MVCA
MEASUREMENT & VERIFICATION COUNCIL AFRICA
Home of Certified M&V Professionals in Africa

**Wednesday, October 28, 2026 | Aquarium Room**

## Africa M&V Knowledge-Sharing Forum

**17:00 - 18:30**

**Join the Measurement & Verification Council for Africa (MVCA) for a special knowledge-sharing session at the AEE Africa Energy Conference 2026, bringing together M&V professionals, energy engineers, utilities, policymakers, industry leaders and other energy-sector stakeholders to explore the future of Measurement & Verification across the continent.**

Measurement & Verification is fundamental to demonstrating that energy-efficiency and resource-efficiency interventions actually deliver the savings and performance promised. Credible M&V strengthens confidence in energy projects, supports investment and ESG reporting, and provides the evidence needed to demonstrate the real impact of energy-efficiency and demand-side initiatives.

The session will look at the development and role of M&V in Africa, the importance of professional M&V capability and Certified Measurement & Verification Professional (CMVP®) training, and the opportunities for expanding M&V expertise across African markets.

**A key feature will be an interactive panel discussion with audience participation, tackling an important question:**

***Why has Measurement & Verification not gained greater traction across Africa — and what can we collectively do to change that?***

Delegates will have the opportunity to share experiences from different countries and sectors, discuss barriers to implementation, and explore how stronger M&V capability can support energy efficiency, demand management, investment confidence and Africa's wider energy transition. The event is deliberately structured as an open knowledge-sharing session rather than a closed business meeting, making it suitable for broader stakeholder participation.

Come ready to participate, challenge current thinking, share lessons from your market and help shape the next chapter of M&V in Africa.

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**AEE Africa Conference**

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# Conference Programme

# Day 2 | Thursday, 29 October 2026

**Registration: 07:00** **Avenue Foyer, Ground Floor**

**Session 3 | 08:00- 09:30**

## TRACK A

*Aquarium Room*

### ENERGY POLICY, STANDARDS & REGULATORY FRAMEWORK IN AFRICAN GOVERNMENT STRUCTURES

MODERATOR: ***ISMAILA WIAFE***

**XOLILE MABUSELA, DEPARTMENT OF ELECTRICITY AND ENERGY, SA** — 08:00 - 08:30

IMPLEMENTATION OF ENERGY EFFICIENCY AND REDUCTION OF ELECTRICITY DEMAND IN MUNICIPALITIES THROUGH THE INTEGRATED NATIONAL ELECTRIFICATION PROGRAMME (INEP) GRANT

**VICTOR SIBANDA, ZIMBABWE ENERGY REGULATORY AUTHORITY (ZERA), ZIMBABWE** — 08:30 - 09:00

ENERGY EFFICIENCY POLICY AND REGULATORY FRAMEWORKS IMPLEMENTATION: A CASE STUDY OF ZIMBABWE

**JENIPHER CHIGERWE, MIDLANDS STATE UNIVERSITY, ZIMBABWE** — 09:00 - 09:30

STRENGTHENING ENERGY POLICY & REGULATION FRAMEWORKS FOR AN INCLUSIVE SUSTAINABLE ENERGY TRANSITION IN AFRICA

## TRACK B

*The Shark Tank*

### INNOVATIVE FINANCING OPTIONS FOR PROJECTS

MODERATOR: ***FAURE VAN SCHALKWYK***

**JOSEPH NJUGUNA, UNDP, KENYA** — 08:00 - 08:30

FINANCING AFRICA'S ENERGY FUTURE: PRACTICAL SOLUTIONS FOR BANKABLE AND INCLUSIVE ENERGY INVESTMENTS

**LOUIS BOSCH, ARCELORMITTAL, SA** — 08:30 - 09:00

THE BENEFITS AND SHARED VALUE CREATION OF SUCCESFUL ENERGY PERFORMANCE CONTRACTING WITH ENERGY SERVICES COMPANIES

**SHELDON BODE, ENERGY DRIVE, SA** — 09:00 - 09:30

ENPC WALKTHROUGH FROM INVESTIGATION TO IMPLEMENTATION

## TRACK C

*Ocean Hub Room*

### GENERATION FOR SUSTAINABLE ENERGY SECURITY

MODERATOR: ***ANDRÉ NORTJÉ***

**PETRUS SWANEPOEL, MEDICLINIC, SA** — 08:00 - 08:30

BEYOND COAL IN AN UNCERTAIN FUTURE: A BUSINESS PERSPECTIVE ON RELIABLE, AFFORDABLE AND CLIMATE-RESILIENT RENEWABLE ENERGY

**ETIENNE RUBBERS, RENEW-E, SA** — 08:30 - 09:00

GREEN HYDROGEN AND ITS UGLY COUSINS

**JO-ANNE DEAN, ENERGJ HOLDINGS, SA** — 09:00 - 09:30

NOT SHORT OF SOLUTIONS, SHORT OF TRUST: A PROOF-OF-CONCEPT FOR MANAGED DECENTRALISATION IN SOUTH AFRICA'S POWER SYSTEM

**Morning Tea & Coffee Break** **09:30 - 10:15**

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# Conference Programme

# Day 2 | Thursday, 29 October 2026

**Morning Tea & Coffee Break** 09:30 - 10:15

**Session 4 | 10:15 - 11:45**

## TRACK A

*Aquarium Room*

### ENERGY POLICY, STANDARDS & REGULATORY FRAMEWORK IN AFRICAN GOVERNMENT STRUCTURES

sanedi South African National Energy Development Institute

MODERATOR: ***ISMAILA WIAFE***

**MAVIS MAPHOTO, ERO, SA** 10:15 - 10:45

WHAT POLICIES, STANDARDS, REGULATIONS AND GOVERNMENT STRUCTURES ARE SHAPING AFRICA'S ENERGY FUTURE?

**MTHUNZI MANGQALAZA, DEPARTMENT OF ELECTRICITY AND ENERGY, SA** 10:45 - 11:15

THE REVIEW OF THE POST-2015 NATIONAL ENERGY EFFICIENCY STRATEGY FOR SOUTH AFRICA WITH SPECIFIC FOCUS ON INDUSTRY, TRANSPORT, COMMERCIAL, RESIDENTIAL, AGRICULTURAL AND POWER SECTOR

**PROF. DANIEL CHOWDHURY, S5 ENTERPRIZE, SA** 11:15 - 11:45

ENERGY CONSERVATION FOR NET-ZERO IN AFRICA: PROSPECTS AND MITIGATION OF IMPLEMENTATION CHALLENGES

## TRACK B

*The Shark Tank*

### INNOVATIVE FINANCING OPTIONS FOR PROJECTS

EEPBIP | Energy Efficiency in Public Buildings & Infrastructure Programme

MODERATOR: ***FAURE VAN SCHALKWYK***

**XOLILE MABUSELA, DEPARTMENT OF ELECTRICITY AND ENERGY, SA** 10:15 - 10:45

SUSTAINING ENERGY SAVINGS PERFORMANCE CONTRACTING MODEL IN SOUTH AFRICAN MUNICIPALITIES

**CHISAKULA KAPUTU, IDC, SA** 10:45 - 11:15

FINANCING SCALABLE ENERGY EFFICIENCY AND RENEWABLE SOLUTIONS FOR AFRICA'S DECARBONISATION PATHWAY

**JOHANN LUBBE, HEAD OF THE WATER PARTNERSHIP OFFICE, DBSA** 11:15 - 11:45

INNOVATIVE FUNDING MECHANISMS IN THE WATER SECTOR

## TRACK C

*Ocean Hub Room*

### GENERATION FOR SUSTAINABLE ENERGY SECURITY

NCPC INDUSTRIAL EFFICIENCY IN SOUTH AFRICA

MODERATOR: ***ANDRÉ NORTJÉ***

**KAREL STEYN, IEPA, SA** 10:15 - 10:45

ESCAPING THE ELECTRICITY SUPPLIER DEATH SPIRAL - STRATEGIES TO RESTORE FINANCIAL SUSTAINABILITY, IMPROVE CUSTOMER SATISFACTION AND STRENGTHEN ENERGY SECURITY

**OMAIRA JAJBHAY, ZUTARI, SA** 10:45 - 11:15

ENGINEERING AFRICA'S FLEXIBLE GRID: VIRTUAL POWER PLANTS FOR ENERGY SECURITY AND DECARBONISATION

**NIKSHA SINGH, BLACK PEAK ENERGY, SA** 11:15 - 11:45

NAVIGATING THE LOOMING ENERGY CRISIS: ENERGY SECURITY AND SOUTH AFRICA'S PATH TO NET ZERO

**Lunchbreak** **11:45 - 12:45**

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# Conference Programme

# Day 2 | Thursday, 29 October 2026

**Lunchbreak** **11:45 - 12:45**

**Session 5 | 12:45 -14:45**

## TRACK A

***Aquarium Room***

### BUILDING ENERGY EFFICIENCY & PERFORMANCE

MODERATOR: ***MARTJIE CLOETE, EASA CHAIRPERSON***

**JAMES JOUBERT, ECOLUTION CONSULTANCY, SA** **12:45 - 13:15**

HOW DOES GREEN BUILDING CERTIFICATION MODELLING COMPARE TO REALITY? A GREEN STAR & EDGE CASE STUDY.

**AYO JEMIRI, CG GLOBAL MANAGEMENT SOLUTIONS, USA** **13:15 - 13:45**

AI-POWERED BUILDING ENERGY PERFORMANCE SOLUTION – DECARBONISATION AND ELECTRIFICATION

**NGOANATHARI MAJA, SANEDI & REHEMA KABARE, GLOBAL BUILDINGS PERFORMANCE NETWORK, KENYA** **13:45 - 14:15**

STRENGTHENING THE BUILD ENVIRONMENT ENERGY AND CLIMATE PERFORMANCE THROUGH EVIDENCE-BASED DATA, REGULATORY COMPLIANCE, AND ENERGY PERFORMANCE CONTRACTING (ENPC)

**EUSTACE MURITHI NJERU, ENERGY AND PETROLEUM REGULATORY AUTHORITY, KENYA** **14:15- 14:45**

ENERGY PERFORMANCE ANALYSIS AND MODELLING OF COMMERCIAL BUILDINGS IN KENYA CASE STUDY, OFFICE BUILDINGS.

## TRACK B

***The Shark Tank***

### ENERGY DATA ANALYTICS & MONITORING SYSTEMS

MODERATOR: ***CLAUDIA HEDLEY***

**KARABO KUNANG KENDIE, SANEDI, SA** **12:45 - 13:15**

BUILDING EVIDENCE FOR ENERGY EFFICIENCY: INTEGRATING DATA, VERIFICATION AND RESULTS MONITORING THROUGH AN ONLINE MONITORING & EVALUATION SYSTEMS (MES)

**ELISHA KATO, SWAENERGY, TANZANIA** **13:15 - 13:45**

FROM MEGAWATTS TO MEANING: HOW AI-POWERED SMART METERING TURNS ENERGY DATA INTO CONSUMER ACTIONS ENHANCING EFFICIENCY, AND WHAT AFRICA CAN LEARN

**MURRAY BREDIN, SHOCK WAVE ENGINEERS, SA** **13:45 - 14:15**

BEYOND SAVINGS: WHAT A DECADE OF TELEMETRY FROM 80 PIVOT SYSTEMS REVEALS ABOUT IRRIGATION ENERGY IN SOUTHERN AFRICA

**SIMPHIWE RAMALIA MOKONZA, SANEDI, SA** **14:15 - 14:45**

DIGITALIZATION OF SOUTH AFRICA'S ENERGY PLANNING FRAMEWORKS: USING DATA ANALYTICS TO IMPROVE INTEGRATED ENERGY DECISION-MAKING

## TRACK C

***Ocean Hub Room***

### RENEWABLE & ALTERNATIVE ENERGY

MODERATOR: ***REABETSOE KGOEDI***

**HICHAM LAHMIDI, AEE FRANCE** **12:45 - 13:15**

ELECTROTHERMAL ENERGY STORAGE AND ITS POTENTIAL FOR THE ELECTRIFICATION OF EUROPEAN INDUSTRY

**FAURE VAN SCHALKWYK, SUNCYBERNETICS, SA** **13:15 - 13:45**

DISTRIBUTED GENERATION / SMALL SCALE EMBEDDED GENERATION POLICY WITH UTILITIES AND REGULATORS

**KATLEGO RANGAKA, RESEARCHER, SA** **13:45 - 14:15**

FROM AMBITION TO EXECUTION: UNLOCKING ENTREPRENEURIAL PARTICIPATION IN AFRICA'S GREEN HYDROGEN ECONOMY

**HOLLO MATLALA, 4TH ELEMENT GROUP, SA** **14:15 - 14:45**

THE LATEST AND GREATEST IN CHARGING STATIONS AND CLEAN COOKING

**Afternoon Tea & Coffee Break** **14:45 - 15:00**

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# Conference Programme

# Day 2 | Thursday, 29 October 2026

## Session 6 | 15:00 - 17:00

**Afternoon Tea & Coffee Break** 14:45 - 15:00

### TRACK A
*Aquarium Room*

**BUILDING ENERGY EFFICIENCY & PERFORMANCE**

MODERATOR: ***MARTJIE CLOETE, EASA CHAIRPERSON***

**NIRMAL NAROTAM, PAS AUTOMATION, SA** 15:00 - 15:30

BUILDING DATA TRACKING FOR EPC

**NTSIKELELO MKHITHIKA, DEPARTMENT OF ELECTRICITY AND ENERGY, SA** 15:30 - 16:00

IMPACT ANALYSIS, DIGITISATION, COMPLIANCE MONITORING AND ENFORCEMENT AS KEY PILLARS OF ENERGY PERFORMANCE CERTIFICATION FOR BUILDINGS IN SOUTH AFRICA

**ANGELA JEAN TANOH, BABUSI ENERGY, SA** 16:00 - 16:30

BRIDGING THE GAP BETWEEN ENERGY COMPLIANCE AND BUILDING SAFETY: EMERGENCY ESCAPE ROUTE LIGHTING IN AFRICA'S EVOLVING REGULATORY LANDSCAPE

**KEANEN NAIDOO, STANDARD BANK, SA** 16:30 - 17:00

HVAC CONTROLS FOR INDOOR AIR QUALITY AND THERMAL COMFORT

### TRACK B
*The Shark Tank*

**ENERGY DATA ANALYTICS & MONITORING SYSTEMS**

MODERATOR: ***CLAUDIA HEDLEY***

**DHEVAN PILLAY, LTM ENERGY, SA** 15:00- 15:30

THE CONSOLIDATED ENERGY COCKPIT – SOUTH AFRICAN RENEWABLE INNOVATION

**AMADOU DIAW, CYBER ICS, USA** 15:30 - 16:00

SECURE BY DESIGN: THE ENERGY MANAGER'S CALL TO LEAD CYBER-RESILIENT PROJECTS THAT PROTECT SAVINGS, SUSTAINABILITY, AND ROI

**JENS STRATENWERTH, THE ENERGY SHOP, SA** 16:00 - 16:30

ONLINE AND SMART METERING - THE NEXT CHAPTER

**ADV NANDIPHA NTSALUBA, UNISA, SA** 16:30 - 17:00

LAWFUL DATA PROCESSSING IMPLICATIONS OF UTILISATION OF DRONE WITHIN THE ENERGY SECTOR: LESSONS TO INFORM MALABO CONVENTION IN AFRICA, USING THE SA LENS

### TRACK C
*Ocean Hub Room*

**RENEWABLE & ALTERNATIVE ENERGY**

MODERATOR: ***REABETSOE KGOEDI***

**TUMISANG KALAGOBE, PLENTIFY, SA** 15:00 - 15:30

FROM RIPPLE CONTROLLERS TO VIRTUAL POWER PLANTS: EARLY LESSONS FROM SOUTH AFRICA'S FIRST COMMUNITY DEMAND FLEXIBILITY DEPLOYMENT

**GARETH BURLEY, MICROCARE, SA** 15:30 - 16:00

BEYOND AC CHARGING: THE RISE OF OFF-GRID DC EV CHARGING IN AFRICA

**LEKWETJE RAMAUBE, HOWARD UNIVERSITY, USA** 16:00 - 16:30

CHARACTERIZING WAKE-INDUCED PERFORMANCE LOSSES IN OFFSHORE WIND FARMS: A CASE STUDY OF RICHARDS BAY, SOUTH AFRICA

**LODS NGASSA, SID CONSULTING, CAMEROON** 16:30 - 17:00

WHAT WE DON'T KNOW IS WHAT KILLS PROJECTS: MANAGING KNOWN AND UNKNOWN RISKS IN AFRICA'S CLEAN ENERGY TRANSITION

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# And I Would Walk 10,000 Steps... for Sustainability!

## Post-Conference: Technical Site Tour

### 30 October 2026| V&A Waterfront

*AEE Africa with SAEEC Post-Conference Event for Registered and Eligible Delegates only*

Extend your AEE Africa Conference experience with an exclusive technical walking tour, exploring sustainability, resource efficiency and circularity in action at 3 unique buildings in Cape Town.

The approximately 3-hour guided tour will begin with an introduction by Petro Myburgh, Sustainability Lead for the V&A Waterfront, providing insight into the precinct's approach to sustainable design, circularity, community engagement and environmental impact.

**Come ready to learn, explore and put a few thousand steps behind your sustainability journey.**




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Delegates will then get a behind-the-scenes look at a range of innovative sustainability solutions, featuring: The Ridge, a six-star Green Star office development • The zero-carbon Portswood Café and Octopus Garden; wastewater recovery and reuse systems; and • The Waterfront's Waste Recovery and Recycling Centre.

The tour will also showcase the precinct's 3.3 MLD seawater desalination plant and the Silo District Seawater Cooling Plant, which uses harbour seawater to reduce conventional cooling requirements, energy consumption and water use.

**A few things to know:** Participation will be limited to a maximum number of delegates to ensure meaningful engagement and easy movement between sites.
Expect approximately 10,000 steps, so comfortable walking shoes, water bottle, sunscreen and caps are highly recommended!



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SAEEC BRINGS TOGETHER PROFESSIONALS ACROSS INDUSTRY, COMMERCE, GOVERNMENT, INSTITUTIONS AND UTILITIES TO IMPROVE ENERGY PERFORMANCE AND ENVIRONMENTAL MANAGEMENT. THROUGH CONFERENCES, TRAINING, NETWORKING AND INDUSTRY AWARDS, THE ORGANIZATIONS SUPPORT PROFESSIONAL DEVELOPMENT AND THE EXCHANGE OF PRACTICAL ENERGY SOLUTIONS.

