



**WATER  
SECURITY**  
AFRICA

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**C&I**  
**ENERGY+STORAGE**  
SUMMIT

**EIUG**  
Energy Intensive  
Users Group SA Est. 1999

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HOST MEDIA



ORGANISED BY



**4 - 5 November 2025**  
The Maslow Hotel, Sandton, South Africa

# Programme

For more information visit:

[www.watersecurity-africa.com](http://www.watersecurity-africa.com)

## Day 1: 04 November 2025

### Opening Keynote session

07:30-09:00	<b>Connect morning networking session</b> Registration
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### Joint Keynote

09:30 – 09:35	<b>Opening remarks by chairperson/welcome by conference organisers</b>
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09:35 – 09:45	<b>Welcome address EIUG</b> <i>Murendeni Matshinyatsimbi, Chairman, EIUG</i>
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09:45-09:55	<b>NTCSA and the market reform</b> <i>Monde Bala, CEO, National Transmission Company of South Africa</i>
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09:55-10:05	<b>Approaches to financing resilient power and water operations</b> <i>Deerosh Maharaj, Executive Head - Energy, Infrastructure &amp; Mining, Standard Bank</i>
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10:05-11:00	<p><b>Joint keynote: The Energy-Water-Food Nexus in Manufacturing and Industrial Systems</b></p> <p><b>Panel Discussion:</b> Resilient operations – water &amp; energy in an integrated risk framework This cross-sector panel explores how businesses in water-intensive and energy-dependent industries are building operational resilience by integrating water and energy risk into a unified framework. As resource insecurity grows, driven by climate variability, regulatory pressure, and infrastructure constraints, companies must move beyond siloed approaches. The discussion will surface practical insights from mining, agri-processing, and manufacturing leaders on aligning sustainability goals with risk management strategies that protect both water and energy assets.</p> <p><b>Key focus areas:</b></p> <ul style="list-style-type: none"> <li>- How climate and regulatory risks are converging across water and energy systems</li> <li>- Integrating water and energy resilience into enterprise risk and ESG frameworks</li> <li>- Lessons from drought-prone and energy-constrained regions</li> <li>- Strategies for operational continuity in the face of water and energy disruptions</li> <li>- Risk mitigation through circular resource design and infrastructure planning</li> <li>- Cross-sector collaboration models (for example, energy-water-food nexus in agri-processing)</li> <li>- The role of private sector reporting, transparency, and scenario planning</li> </ul> <p><b>Moderator:</b> <i>Rethabile Melamu, CEO, South African Photovoltaic Industry Association</i></p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li>• <i>Nandha Govender, General Manager: Water and Environmental Operations, Eskom</i></li> <li>• <i>Ramateu Lefty Monyokolo, Chairperson, AWSISA and Rand Water</i></li> <li>• <i>Marilyn Maduka, Sustainability Director-Africa, AB_Inbev</i></li> </ul>
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11:00-11:45	<b>Refresh and Connect</b> Refreshment break and networking
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### Theme: Resilience, risk and responsibility in South Africa's water future

#### Opening session:

#### Do we really have a water problem at scale?

This candid discussion brings together C-suite leaders from high-consumption sectors to challenge assumptions around water security: what's real, what's exaggerated, and how top executives are navigating policy, mobilizing finance, and technology to mitigate operational risks

11:45-13:00	<b>Panel: Do we really have a water problem at scale?</b>
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	<p>Discussion Points:</p> <ul style="list-style-type: none"> <li>• Infrastructure recovery and reform</li> <li>• Alternative supply and licensing bottlenecks</li> <li>• ESG imperatives vs operational reality</li> <li>• Role of finance directors in water strategy</li> </ul> <p><b>Moderator:</b> <i>Silindile Mtshali, Senior Freshwater Technical Specialist, WWF South Africa</i></p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li>• <i>Peter Thompson, Managing Director, Umgeni Water Services</i></li> <li>• <i>Ntombizanele Mary Billa-Mupariwa, Provincial Head for the Western Cape, Department of Water and Sanitation, South Africa</i></li> <li>• <i>Deerosh Maharaj, Executive Head - Energy, Infrastructure &amp; Mining, Standard Bank Group</i></li> <li>• <i>Bashan Govender, Manager: Environmental Compliance SA Region - SA PGM &amp; Gold Operations, Sibanye Stillwater</i></li> </ul>
13:00-14:00	<p><b>Recharge and Connect</b> Lunch and networking</p>
<p align="center"><b>Securing operations across sectors – From field to factory</b></p>	
<p>Water is the lifeblood of agriculture, food and beverage processing, hospitality, and mining, yet industries face critical challenges: scarcity, degrading water quality, stringent regulations, and the urgent need to adopt fast-paced AI tools for water monitoring and management. From irrigation for crops to hygiene in hotels, cooling systems in properties, and ore processing or remediation in mining; these sectors require secure, high-quality water to thrive.</p> <p>This session unveils cross-sector strategies to ensure supply, enhance quality, and reduce risks. It's designed for sustainability innovators, operations managers, and compliance leaders tackling water treatment for hospitality, irrigation optimization, food processing quality, or resilient mining systems. Join us to explore scalable solutions for a water-secure future.</p>	
14:00-15:15	<p><b>Panel: Securing operations across sectors – From Field to Factory</b></p> <p><b>Discussion Points:</b></p> <ul style="list-style-type: none"> <li>• Smart irrigation &amp; agricultural demand planning</li> <li>• Industrial process water recovery</li> <li>• Beverage sector circular water models</li> <li>• Natural system augmentation &amp; borehole resilience</li> </ul> <p><b>Moderator:</b> <i>Ivor Price, Co-founder and Editor-in-Chief of Food For Mzansi</i></p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li>• <i>Peter Varndell, Chief Executive Officer, NEPAD</i></li> <li>• <i>Henrietta Salter, Water Stewardship Principal, Anglo American</i></li> <li>• <i>Leon Naidoo, Head of Operations, LSF ( Localisation Support Fund)</i></li> <li>• <i>Benoît Le Roy, Co-Founder, South African Water Chamber NPC</i></li> <li>• <i>Marilyn Maduka, Sustainability Director-Africa, AB_Inbev</i></li> </ul>
15:15-15:45	<p><b>Refresh and Connect</b> Refreshment break and networking</p>
<p align="center"><b>C&amp;I Water Security Project Spotlight: Private sector in action</b></p>	
<p align="center"><b>Turning Risk into Resilience – Spotlighting C&amp;I Projects tackling SA's biggest water challenges</b></p>	
<p>This session features real-world projects responding to critical challenges, quality, reuse, innovation, and data-driven</p>	



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management. Leaders will showcase lessons learned and scalable practices.

15:45-16:05	<b>Project Presentation: Building resilience: Harmony Gold’s Journey to Water Self-Sufficiency</b> <i>Thigesh Vather, Senior Environment Officer-Water (Sustainable Development Department) Harmony Gold</i>
16:05-16:30	<b>Project Presentation: Digital water catalysing remediation and infrastructure finance</b> <i>Benoît Le Roy, Co-Founder: South African Water Chamber NPC</i>
16:30-16:55	<b>Project Presentation: Building resilience: Goldfields Journey to Water Self-Sufficiency</b> <i>Thiara Ratshibvumo, Environmental Manager, South Deep Gold Mine</i>
17:30	<b>A social pause: Connect networking function</b> Join us for a drink to celebrate the end of day 1 and get to know your peers

## Day 2: 05 November 2025

Theme: Power of circular economy thinking

### Banking on Water Security: Unlocking capital for large-scale efficiency and reuse projects in a resource-constrained future

#### Capital for large-scale efficiency and reuse projects

Exploring financing mechanisms to support water-intensive industries in adopting sustainable solutions in reuse and reduction.

09:00-10:00

**Moderator:** *Rembu Magoba, Water Centre Manager, CSIR*

**Discussion points:**

- Financing infrastructure recovery and reform for water projects
- Unlocking capital for alternative supply and efficiency initiatives
- ESG considerations in sustainable water finance
- Role of development banks in mobilizing finance for large-scale projects
- Innovative financing mechanisms to support water-intensive industries in adopting sustainable reuse and reduction solutions

**Speakers:**

- *Sameer Bagwandeem, Head: Energy and Infrastructure, Standard Bank South Africa*
- *Mojabeng Monyamane, Head: Municipalities, Cities & Waterboards, Development Bank of South Africa*
- *Thiara Ratshibvumo, Environmental Manager, South Deep Gold Mine*

### From Farm to Facility – Safeguarding water for quality, supply & growth

Water is vital for agro-processing, food and beverage production, hospitality, and property management, yet supply volatility, input quality risks, and stringent output/discharge regulations threaten productivity and sustainability.

This case study-driven session spotlights real-world examples, such as Equites Property Fund’s water-efficient initiatives in commercial properties through EDGE Advanced certifications (achieving at least 20% reductions in water use via low-flow systems and greywater reuse) and Heineken’s circular water treatment in South Africa’s beverage industry, showcasing how innovation and collaboration secure supply and quality from source to distribution.

Designed for sustainability leaders, operations managers, and compliance officers, this session highlights proven, scalable solutions to enhance efficiency and meet future regulatory demands.

10:00-11:00

**Panel: From Farm to Facility – Safeguarding water for quality, supply & growth**

**Discussion Points:**

- **Alternative Supply:** highlighting boreholes and rainwater harvesting, with Limpopo’s drip irrigation as a case study
- **Meeting South Africa’s discharge standards:** managing raw water risks, a look at Heineken’s treatment for R718 compliance
- **Smart & Circular Water Use:** AI-powered monitoring for leak detection, real-time quality control, and usage optimisation in hotels, food processing, and farming. Smart reuse pilots in peri-urban farming.
- **Industrial Logistics:** Highlighting Equites Property Fund’s greywater and low-flow systems for sanitation and cooling

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	<ul style="list-style-type: none"> <li>Upcoming regulatory shifts for industrial water treatment, bottled water sourcing, and effluent discharge</li> </ul> <p><b>Moderator:</b> <i>Saima Shaanika Advocacy and Information, UN World Food Programme</i></p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li><i>Nozipho Soka, Founder &amp; Managing Director, Rea Jala Veggies, South Africa</i></li> <li><i>Molatelo Motau, Sustainability Projects Manager, Heineken</i></li> <li><i>Irshaad Wadvalla, Head of Sustainability, Equites Property Fund</i></li> <li><i>Silindile Mtshali, Senior Freshwater Technical Specialist, WWF South Africa</i></li> </ul>
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**11:00-11:30 Coffee Break**

**From Pit to Plant – Rehabilitation and Reuse Strategies for Mining & Manufacturing**

From reducing pollutant discharge and optimising dewatering systems, to rehabilitating catchments and investing in industrial water recycling, the discussion will highlight actionable strategies that protect water quality while ensuring supply for production. Case studies will feature restoration projects in mining-impacted areas and innovative reuse systems in manufacturing plants, showing how industrial actors can power economic growth while safeguarding the environment.

Appealing to professionals in sustainability, operations, and compliance, this session explores how extractives and manufacturing can work together to meet regulatory requirements, deliver on ESG commitments, and implement scalable reuse solutions that benefit both operations and communities.

<p>11:30-12:30</p>	<p><b>Panel: From Pit to Plant – Rehabilitation and reuse strategies for mining &amp; manufacturing</b></p> <p><b>Discussion Points:</b></p> <ul style="list-style-type: none"> <li>Industrial Water Risks &amp; Opportunities –Shared challenges and synergies between mining and manufacturing.</li> <li>Pollution Control &amp; Water Quality – Reducing contaminant loads, meeting discharge compliance, and adopting best-practice treatment.</li> <li>Catchment Rehabilitation – Long-term restoration programmes and collaborative models with municipalities,</li> <li>Dewatering &amp; Efficiency Upgrades – System modernisation for ROI, operational continuity, and reduced water footprint.</li> <li>Alternative Supply &amp; Reuse – Piloting desalination, advanced recycling, and closed-loop systems in mining and manufacturing.</li> <li>Regulatory Outlook &amp; ESG Commitments – Preparing stricter standards while aligning with sustainability goals.</li> </ul> <p><b>Moderator:</b> <i>Paseka Mabina, Director: Climate Change Mitigation and Analysis, Department of Forestry, Fisheries and the Environment</i></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li><i>John van Wyk, Group Senior Environmental Manager, Harmony Gold</i></li> <li><i>Rembu Magoba, Water Centre Manager, CSIR</i></li> <li><i>Henrietta Salter, Water Stewardship Principal, Anglo American</i></li> <li><i>Nosimo Macatsha, Senior Manager: Environment and Water, Goldfields Mining Company</i></li> </ul>
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**From Insight to Impact: Charting the Road to Water Resilience 2026**

This interactive finale invites participants to translate insights into action, exploring how circular economy principles can address the real-world water challenges facing commercial and industrial sectors. Joined by the advisory members of Waer Security Africa, representing Standard Bank and the Department of Water and Sanitation, the session concludes the Summit

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with practical collaboration and forward momentum.

12h30–13h30

**Session Flow:**

- Quick recap of Summit highlights and poll feedback
- Interactive dialogue on circular water innovations
- Delegates co-create priority actions for 2026
- Summary of commitments and post-event engagement

**Facilitator:** Yolisa Nyoka, Programme Director, Water Security Africa

**Co-hosts:**

- Deerosh Maharaj, Executive Head - Energy, Infrastructure & Mining, Standard Bank Group
- Ntombizanele Mary Billa-Mupariwa, Provincial Head for the Western Cape, Department of Water and Sanitation, South Africa

13:30

**Recharge and Connect**

Lunch and networking