



WATER SECURITY AFRICA

Conference and programme
brochure

CO-LOCATED WITH



20-22 May 2025
CTICC, Cape Town

www.watersecurity-africa.com



Why Participate?

Networking opportunities

Receive a chance to network with industry experts, policymakers, suppliers, and peers, developing valuable connections and collaborations that can drive innovation and problem-solving in the water sector.

Access to insights

Be provided with access to a wealth of insights, including the latest trends, best practices, and case studies in sustainable water management, offering delegates a competitive edge in their professional endeavours.

Practical strategies

Gain actionable strategies and practical solutions for addressing water scarcity challenges, enhancing operational efficiency, and achieving cost savings in their respective industries, empowering them to drive positive change within their organizations.

Compliance guidance

Receive guidance on navigating evolving regulatory frameworks and compliance requirements related to water management, equipping delegates with the knowledge and resources needed to ensure regulatory compliance and mitigate risks.

Professional development

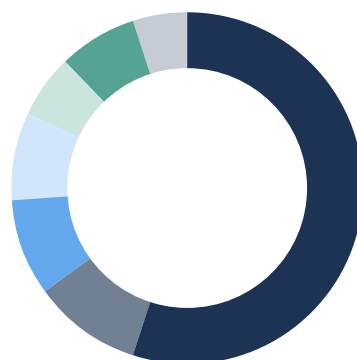
Participation in educational sessions, workshops, and panel discussions at the summit provides valuable opportunities for professional development and skill enhancement, allowing delegates to stay abreast of industry developments and enhance their expertise.

Impactful engagement

Navigate your way in collaborative discussions and knowledge exchange sessions, delegates can contribute to shaping the future of sustainable water management practices in Africa's commercial and industrial sectors, making a meaningful impact on environmental stewardship and corporate sustainability efforts.

Who attends in 2025

Delegate industry breakdown



- 40% ● Project Owners & Buyers /Commercial and Industrial / Property developers and managers/ Water and energy intensive users/ Agri processing, food manufacturers, etc.
- 25% ● Service providers, OEMs. Reseller and technology supplier
- 9% ● EPC, installers and contractors
- 8% ● Press/Media/Associations /Other
- 6% ● Financial Institutions/Investors
- 7% ● Professional Services/Consulting
- 10% ● Government and Regulator

Conference at a glance

- 3 day strategic conference programme
- 3-day free to attend technical programme
- Master classes and round tables
- 1 site visits
- Engage Networking dinner (with Enlit Africa)
- Engage Networking function (with Enlit Africa)

Expo at a glance (with Enlit Africa)



250+
exhibitors



6+
country pavilions



7000+
attendees

Advisory board members



Diana Sibanda
Group Head of
Sustainability, Coca-Cola
Beverages



Keenan George
CEO, Smart-View
Technology



Dr Rembu Magoba
Water Center Manager,
Council for Scientific and
Industrial Research (CSIR)



Thobekile Gamba
Sustainability Lead,
Umgeni Water



David Fulton
Director, Reddlok Water
Security & Utilities
Management Co



Lindiwe Nkabane
Chair of the IWA Young
Water Professional South
Africa Chapter



Natasha Ramkirpal
Group Lead: Water
Security, Coca-Cola
Beverages



Dominic Mukunguzi
Senior Engineer:
Watershed Management,
Ministry of Agriculture,
Animal Industry: Uganda



Luther Rukira
Chairperson, Namwater



Bobbi Harris
Founder & CEO, Smart
Water Smart City



Mike Smith
Director, Talbot



Chanda Oswald Mulenga
Chief Water and
Sanitation Engineer
AFDB



Hilton Baartman
Digital Energy Director-
Anglophone Africa
Schneider Electric



Helen Hulett
Chief Executive Officer,
ANDWATR



Paul Yillia
Research Scholar,
International Institute for
Applied Systems Analysis
(IIASA)



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

20 May 2025

WATER SECURITY PROJECTS ROUNDTABLE DISCUSSIONS

Round 1: 11:45-12:20	Africa Water Infrastructure Development (AWID) Advancing investment in water and sanitation projects across the continent, featuring the Kigali Water Project. <i>Saad UI Islam, Investment Director: Infrastructure Equity, British International Investment plc, UK</i>
	Australia's Murray-Darling Basin Plan Effective water management for agriculture and communities. <i>Amgad Elmahdi, Regional Manager for MENA region, Green Climate Fund, Australia</i>
	World Food Programme water conservation How the World Food Programme is leading the charge in water conservation efforts within the food and agri sectors. <i>Saima Shaanika, Partnership Officer, World Food Programme, South Africa</i>
Round 2: 12:25-13:00	George Municipality Smart Water Project Improving customer service and non-revenue associated with water losses. <i>Ithriam Leukes, Pre-Sales-Water Solutions, Ontec Systems</i>
	South Africa's National Desalination Initiative Addressing water scarcity through large-scale desalination. <i>Sean Phillips, Director General, Department of Water & Sanitation, South Africa*</i>
	Strategic deployment of advanced smart metering technologies <i>Sherif Kafafi, Chief Executive Office and Managing Partner, Alsharif Group Holding (ASG), Saudi Arabia</i>
	Sovereign Foods water recovery Project A multi-million-rand Water Treatment and Recovery Plant in Kariega, revolutionising water sustainability and security <i>Carl Haycock, Chief Executive Officer, Talbot, South Africa</i>

13:00-14:15 Lunch

WATER SECURITY IN COMMERCIAL AND INDUSTRIAL SECTORS

Moderator: Zaid Railoun, Specialist, Power & Sustainable Solutions, 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
- Kennedy Chihota, Managing Director, ERWAT, South Africa
- Natasha Ramikirpal, Group Lead: Water Security, Coca-Cola Beverages Africa, South Africa

15:30-16:15 Refreshment break

WATER-ENERGY-FOOD NEXUS

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.

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: Errol Bryce, Group Commercial Director, 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.

- 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*
- *Diana Sibanda, Group Head of Sustainability, Coca-Cola Beverages Africa, South Africa*
- *Senior Representative, Cape Nature, South Africa*
- *Jane Reddick - Programme Manager: Water and Sustainable Agriculture, Green Cape, 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*
- *Gary Fahi, Head of Business Development, Impact Water Solutions, South Africa*
- *Ntombizanele Mary Bila- Mupariwa, Provincial Head: Western Cape, Department of Water and Sanitation, South Africa*
- *Phillipa Rodseth, Executive Director, Manufacturing Circle, South Africa*
- *Saad Ul Islam, Investment Director: Infrastructure Equity, British International Investment plc, UK**

17:30

Networking Function

22 May 2025

MUNICIPAL AND UTILITY WATER

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

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.

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
- Kennedy Chihota, Managing Director, ERWAT, South Africa
- Vasanie Pather, Consultant, ESKOM, Energy Council, South Africa

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
- Mpho Makgata, Water & Waste Water Consultant, ERWAT, South Africa

11:00-11:45

Refreshment break

INTERACTIVE SESSION:

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 and engaging communities to promote water conservation efforts
- The role of policy and governance in managing water demand
- How renewable energy can enhance water security
- Promoting skills development

Strategic stage

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*

20 May 2025

WATER EFFICIENCY AND COOLING – IS WATER EFFICIENCY POSSIBLE?

Facilitator: *Nkululeko Mabila, Water Analyst. GreenCape, South Africa*

13:30-14:15

- *Jakob Carnemark, Founder, Endeavour Inspired Infrastructure, USA*
- *Dhasi Naidoo, Chief Strategy Officer, Ontec, South Africa*
- *Senior Representative, Umgeni Water, South Africa*

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

Facilitator: *Justin Robert (VP - CTS Water Technology) ACWA Power, UAE*

14:20-14:55

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, updated urban water desalination projects, and the potential for desalination in Gauteng.

Aquapower will lead a discussion on desalination technologies, sharing case studies and best practices.

The session will focus on optimizing water resources and ensuring operational continuity. 35 min

14:55-15:30

Fireside chat:

The conversation will explore the city's perspective on desalination, potential incentives, and insights to the V&A's 3.3 MLD desalination plant.

Moderator: *Nandu Bhula, Country General Manager – South Africa, ACWA Power, South Africa*

Panellists:

- *Lloyd Fisher, Technical Services Manager: Bulk Water, City of Cape Town, South Africa*
- *André Theys, Executive Manager: Operations, V&A Waterfront, South Africa*

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

Facilitator: *Ashton Mpfu, Senior Technology Consultant, Isle Utilities, South 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

- *Katleho Mojakisane, Sustainable Futures Coordinator, Tangelic, South Africa*
- *Lindiwe Nkabana, Chair, IWA Young Professionals South Africa*
- *Alex Hesketh, Technical Director, Talbot, South Africa**

Water Hub

21 May 2025

BUILDING A WASTE FREE WORLD: THE FUTURE OF WASTEWATER MANAGEMENT

11:30-11:45	Coal ash water treatment <i>Musa Maluleke, Senior Civil Engineer, Eskom Rotek Industries, South Africa</i>
11:45-12:00	Challenges and innovations in waste management <i>Precious Nyarambi, Founder, Elohay Cleaners, Zambia</i>
12:00-12:15	Topic: TBC <i>Senior Representative, Umgeni Water, South Africa</i>
12:15-12:30	Product Showcase: Smart Metering Solutions <i>Senior representative, Hexing Electrical*</i>

12:30-13:00 Refreshment Break

WATER EFFICIENCY AND TECHNOLOGY INNOVATIONS FOR LARGE WATER USERS

13:00-13:15	Updated water efficiency and sustainability mechanisms in agriculture commercial sector <i>Mariam Nalomba, Chief Executive Officer, Shais Food, Zambia</i>
13:15-13:30	Case Study: Zambezi Eye Leak resistant toilets cistern to reduce water losses and non-revenue water in municipalities <i>Les Langa, Director, Zambezi Sanitation, South Africa</i>
13:30-13:45	Current needs for the water-energy nexus specifically for electricity generation <i>Vasanie Pather, Consultant, ESKOM, Energy Council, South Africa</i>
13:45-14:00	Water in the food, energy, technology, capital, and policy equation <i>Ysaac Akinin, Head of Special Projects, Jabu Logistics, Zambia</i>

INTEGRATED APPROACHES

14:0-14:15	Understand how decentralized renewable energy and water systems can address Africa's energy and water challenges <i>Katleho Mojakisane, Sustainable Futures Coordinator, Tangelic, South Africa</i>
14:15-14:30	Harnessing data and artificial intelligence for smart water security <i>Boitumelo Matshediso, Analytics Business Unit Lead, Talbot, South Africa</i>
14:30-14:45	Reducing non-revenue water <i>Cleopas Sanangura, Group Chief Executive Office, Thamani Technologies, South Africa</i>

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

14:45-15:45	<p>This gap-analysis workshop will help in identifying missing elements in the current support ecosystem and exploring solutions for businesses.</p> <p>Expected Outcomes:</p> <ul style="list-style-type: none"> Increased awareness of non-financial support available to businesses for water security. Strengthening linkages between businesses and ecosystem supporting organisations. A documented summary of key gaps and recommendations for improving ecosystem support.
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Water Hub

22 May 2025

FIRESIDE CHAT: SECTOR VOICES

10:00-11:00 **Facilitator:** *Phindile Msomi, Group CEO, Hazile Group, South Africa*

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

11:00-11:15 **AI & Automation- Leverage smart technologies for efficient water**

Phindile Msomi, Group CEO, Hazile Group, South Africa

11:15-11:30 **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

11:30-11:45 **Topic: TBC**

Helen Hulett, Chief Sustainability Officer, AfriGIS, South Africa

11:45-12:00 **Topic: TBC**

Dean Naidoo, Segment Manager, Grundfos

12:00-12:30 Refreshment Break

MANAGING WATER RESOURCES UNDER CHANGING CLIMATE CONDITIONS

12:30-12:45 **Conserving freshwater resources, water treatment efficiency**

Esper Jacobeth Ncube, Manager Process Technology, Rand Water, South Africa

12:45-13:00 **Topic: TBC**

Thobekile Gambu, Sustainability Lead, Umgeni Water, South Africa

13:00-13:15 **Contaminant of energy concern water recovery technology safety**

*Alex Hesketh, Technical Director, Talbot, South Africa**

13:15-13:30 **Case Study: Restoration of Lake Chad**

Olowatuyi Olowoyeye, Research Assistant, Iowa State University, Nigeria

13:30-13:45 **Challenges faced under Water Services Authorities with the 4 ID (Industrial Revolution)**

Blessing Ndlovu, Senior Engineering Technician, Newcastle Land Municipality, South Africa

14:00-15:00 Closing session – open to all

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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