

3RD
WATER
INFRASTRUCTURE
ASSET MANAGEMENT CONFERENCE

18–19 SEPTEMBER 2025
CAPE TOWN

**THEME: BUILDING RESILIENT WATER
SYSTEMS FOR A SUSTAINABLE FUTURE**

ECSA
ACCREDITATION
2CPD POINTS

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SYNOPSIS



Access to reliable, clean, and affordable water is a constitutional right in South Africa, with over 15.5 million households (88.7% of the population) relying on municipalities and water boards for their supply. However, the 2022 Infrastructure Report Card [1] from the South African Institution of Civil Engineering (SAICE) paints a concerning picture. Only 40% of water systems meet microbiological standards, and just 23% comply with chemical standards. Moreover, 66% of systems have adequate microbiological monitoring, but only 17% meet chemical monitoring requirements, leaving many systems unable to detect harmful contaminants. A recent Gauteng City-Region Observatory (GCRO) survey also reveals that water provision is worsening in the province, with access to clean water declining from 82% in 2017 to 60%. [2] Informal settlements, such as Lenasia in Johannesburg, also lack reliable access to clean water.

The Water Infrastructure Conference seeks to address these critical issues by bringing together experts, policymakers, and stakeholders to explore solutions for improving water infrastructure. The conference will focus on finding solutions to enhancing water quality, expanding monitoring systems, and improving access to clean water, particularly in underserved communities and informal settlements. It aims to provide a platform for discussing innovative approaches, sharing best practices, and identifying collaborative efforts to rebuild and sustain water systems that can meet the needs of all South Africans.

BENEFITS OF ATTENDING			
Government representatives and officials from relevant departments including municipalities and water services authorities (WSAs)			
Learn about cutting-edge technologies and best practices for improving water quality, access, and monitoring systems.		Contribute to shaping the future of South Africa’s water infrastructure and the development of equitable solutions for all communities.	
Hear from leading experts in water engineering, policy, and management, providing valuable insights and guidance.		Participate in conversations about shaping water policies and strategies that address both short-term crises and long-term sustainability.	

EVENT ORGANISER



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TOPICS



- 1.Strengthening governance frameworks and the role of policy in ensuring equitable water distribution.
- 2.Addressing ageing infrastructure, improving maintenance, and planning for future growth and urbanisation
- 3.Exploring the links between water infrastructure, public health, and disease prevention
- 4.Strategies for balancing the demands of agriculture, industry, and urban centres while protecting ecosystems
- 5.Water institutions and governance models for the funding, financing and management of water infrastructure in South Africa
- 6.Strategies for expanding access to clean water in under-served and informal urban areas
- 7.Addressing gaps in microbiological and chemical monitoring, and strategies for compliance with water quality regulations
- 8.Exploring solutions for drought resilience, water conservation, and the management of water resources in a changing climate
- 9.Innovations in wastewater management, recycling, and the circular economy for water resources
- 10.Exploring technology, AI, and IoT in water management, monitoring, and efficiency improvements

ATTENDEES

- Government representatives and officials from relevant departments including municipalities and water services authorities (WSAs)
- Water utility companies and water boards including Engineering and infrastructure firms involved in water treatment, distribution, and wastewater management
- Private sector companies in water infrastructure and technology
- Civil society organisations and NGOs focused on water access and conservation
- Academics and researchers in water management and sustainability
- International development partners and donor agencies
- Community leaders and local stakeholders affected by water infrastructure challenges

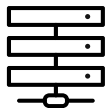
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SPEAKERS



Thabo Kabini (Pr. Eng.Tech) | Senior Specialist: Water Infrastructure IDC

Topic: Funding, financing, and governance models for water infrastructure.



Dawid Bosman | Senior Manager: Strategic Advisory | Trans-Caledon Tunnel Authority

Topic: A water sector response to climate change



Gary Fahy | Business Development Lead | Impact Water Solutions

Topic: Water as a Service ("WaaS") and the Privatization of Water Treatment and Supply



Nichal Rajnandan | Director: Infrastructure Asset Management | Osmotic Engineering Group

Topic: Addressing aging infrastructure and planning for future urbanization



Maphari Matsapola | AECO BIM Specialist | Baker Baynes

Topic: Exploring technology, AI, and IoT in water management, monitoring, and efficiency improvements



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Gift Laolang | Building Inspector | City of Cape Town Metropolitan Municipality

Topic: Opportunities for Achieving Optimal Sustainable Performance of Water Infrastructure in Gauteng Province, South Africa

DAY ONE

0700 Registration and networking

0845 Opening remarks from the chairperson

0900 **Thabo Kabini (Pr. Eng.Tech) | Senior Specialist: Water Infrastructure IDC**

Topic: Funding, financing, and governance models for water infrastructure.

1000 **Dawid Bosman | Senior Manager: Strategic Advisory | Trans-Caledon Tunnel Authority**

Topic: A water sector response to climate change

1100 Networking tea break

1130 **Gary Fahy | Business Development Lead | Impact Water Solutions**

Topic: Water as a Service ("WaaS") and the Privatization of Water Treatment and Supply

1230 **Nichal Rajnandan | Director: Infrastructure Asset Management | Osmotic Engineering Group**

Topic : Addressing aging infrastructure and planning for future urbanization

1330 Networking Lunch

1430 Panel Session

Panel

Dr Thabo Kabini (Pr. Eng.Tech) | Senior Specialist: Water Infrastructure IDC

Dawid Bosman | Senior Manager: Strategic Advisory | Trans-Caledon Tunnel Authority
Gary Fahy | Business Development Lead | Impact Water Solutions

Nichal Rajnandan | Director: Infrastructure Asset Management | Osmotic Engineering Group

1530 Closing Remarks from Chairperson

1600 Networking Tea Break: End of Conference

DAY TWO

0700 Registration and networking

0845 Opening remarks from the chairperson

0900 **Maphari Matsapola | AECO BIM Specialist | Baker Baynes**

Topic: Exploring technology, AI, and IoT in water management, monitoring, and efficiency improvements.

1000 **Gift Laolang | Building Inspector | City of Cape Town Metropolitan Municipality**

Topic: Opportunities for Achieving Optimal Sustainable Performance of Water Infrastructure in Gauteng Province, South Africa

1045 Networking tea break (30 Mins)

1115 TBC

1145 TBC

1245 Networking Lunch=

1315 TBC

1345 Panel Session

Panel

Maphari Matsapola | AECO BIM Specialist | Baker Baynes
Gift Laolang | Building Inspector | City of Cape Town Metropolitan Municipality

1445 Closing Remarks from Chairperson

1515 Networking Tea Break: End of Conference





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Company Name: _____
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Organization's main line of business: _____
VAT Registration Number: _____
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Position: _____
Tel: _____ Cell: _____
Email: _____
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Position: _____
Tel: _____ Fax: _____
Email Address: _____
Signature: _____
Date: _____

Please note that this registration is invalid without a signature.

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Tel: _____ Cell: _____
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Delegate Details 2

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Position: _____
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Delegate Details 3

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Delegate Details 4

Full Name: _____
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Delegate Details 5

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REGISTRATION FEES

	Full Conference Rate	
	R13 990 exVAT	\$790

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