

CPD Points: 2 ECSA CREDITS



Consulting Engineers South Africa

INFRASTRUCTURE
Indaba
2026

18 - 19
March 2026
Durban ICC

WATER SECURITY AND THE INFRASTRUCTURE REQUIRED TO SUPPORT GROWTH

Sydney Masha

Theme: Pioneering Change Engineering Infrastructure for Inclusive Growth

Issues

- **Water Supply Insecurity**
 - Increase in demand of water supply
 - High Non-revenue Water (NRW)
- **Financial Sustainability and funding constraints**
 - Insufficient revenue collection
 - Affordability constraints for large-scale projects.
- **Governance and Institutional issues**
 - Skills gaps in technical, financial, and contract management functions
 - Fragmented decision-making
 - Slow implementation due to bureaucratic processes

Solutions and Opportunities — Let's Challenge Ourselves

- Water Supply Insecurity
 - Alignment between infrastructure planning and urban growth
 - Investments in new alternative water schemes i.e Water Reuse / Desalination
 - Use of performance-based contracts for NRW reduction activities
- Financial sustainability and funding constraints
 - Public-Private Partnerships for infrastructure delivery
 - Revenue Ring-fencing
 - Business and Investment Plans

Solutions and Opportunities — Let's Challenge Ourselves

- Governance and Institutional Reforms
 - Implementation of turnaround strategies and reforms
 - Establishment of ring-fenced utility models
 - Performance-Based Management Contracts
 - Building of institutional capacity
 - Partnerships with key institutions i.e Water Partnerships Office, Development Bank of Southern Africa, World Bank

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