

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

Megan Schalkwyk

Theme: Pioneering Change Engineering Infrastructure for Inclusive Growth

Issues

- Infrastructure challenges
 - Aging Infrastructure
 - Rising non-revenue water
 - Pollution from failing sewer systems
- External Pressures
 - Climate Variability
 - Growing demand
- Systematic Issues
 - Energy Reliability
 - Delay in large infrastructure project delivery

Solutions and Opportunities — Let's Challenge Ourselves

- Energy Resilience: Renewable energy
- Municipal Support: Technical capacity and project support
- Green Infrastructure: wetlands and natural systems
- New water sources: reuse and desalination
- Alternative water sources such as water reuse and desalination

Solutions and Opportunities — Let's Challenge Ourselves

- Rethinking project delivery:
 - Multidisciplinary planning
 - Water partnership office
 - Public-Private Partnerships
 - Private sector performance contracts

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Thank you!

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