

# Water

## MANAGEMENT & TREATMENT TECHNOLOGIES

### CONFERENCE

13 July 2018

Emperors Palace Convention Centre

#### Speakers Include

**Dhevan Govender**

Senior Manager, Commercial & Business  
eThekweni Water and Sanitation

**Cobus Raubenheimer**

Project Director  
EPF Systems

**Sylvia Tshivhunge**

Director, Municipal Services  
Water and sanitation Services South Africa

**Garyn Rapson**

Partner  
Webber & Wentzel

**Henk Smit**

Managing Director  
Vovani Water Products

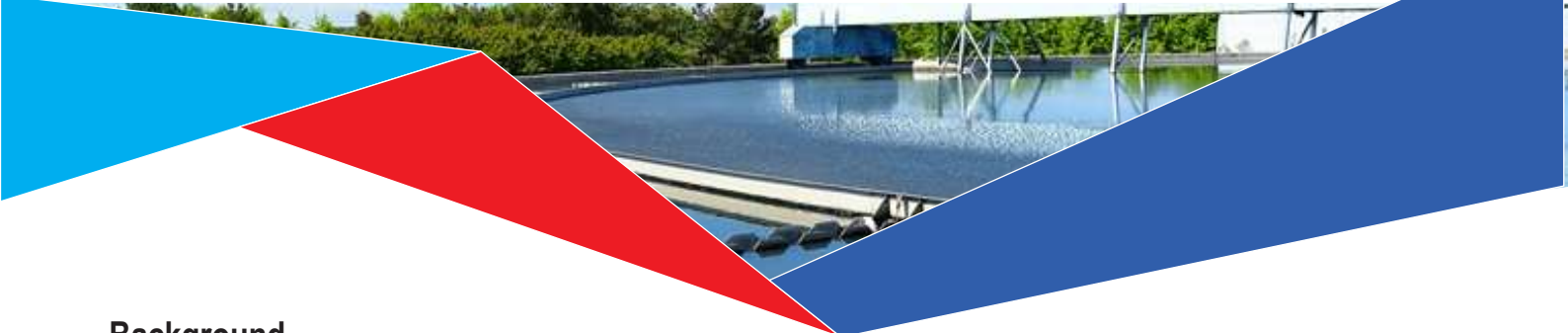
#### Objectives

- To explore latest water management and treatment technologies and their applications in various industries
- To look for ways in which we can inculcate a culture of water conservation in our citizens
- To check out water management success stories and what we can take from them



Organised by





## Background

For a country like South Africa, the issue of conserving water has long since moved from choice to necessity – the country simply cannot afford to let any of its fresh water go to waste. Three years' worth of drought has depleted water levels in the Western Cape – to the point that the City of Cape Town is counting down days until it turns off supply to household taps for its inhabitants, and starts rationing water from communal sources.

Water supply is literally a case of life and death; it would be a real disaster if we were to run out of it. But the days might be coming where water supply becomes really critical, if we are not careful with our use of it. The situation in Cape Town has taught us that water is a finite resource that should be prudently utilised and saved at all costs. The Food and Agriculture Organisation (FAO) reports that global water withdrawal increased from less than 600km<sup>3</sup>/year in 1900 to almost 4,000km<sup>3</sup>/year in 2010. According to the Organisation for Economic Cooperation and Development (OECD), global demand for water is projected to increase by 55 percent between the years 2000 and 2050, mainly driven by a 400 percent increase in demand from the manufacturing sector.

Proper water management is getting more and more important, and not only in manufacturing, as the sector is just one of many stakeholders dependent on this natural resource. Different types of industries demand different quantities of water resources, and produce and dispose of different kinds of wastewater – Agriculture, for instance, uses about 70 percent of the world's water withdrawal; for irrigation, livestock watering and cleaning, and aquaculture. The production of energy also requires water in processes such as thermal power plant cooling systems or lowering the water table for raw materials extraction. It is imperative that these industries adopt sustainable means of conserving water; and luckily technologies for water management have become many, varied and easily available as research into water conservation methods intensified.

Israel is leading the way in this regard; having embarked on an idyllic desalination and drip irrigation processes that have turned arid parts of the country into productive arable lands. Following their strict water usage discipline would go a long way into conserving local water resources and ensuring their longevity. There are industry-specific treatment technologies (for example there are treatment technologies for agricultural wastewater and for mining wastewater), as there are different methods for urban and rural areas – the **Water Management and Treatment Technologies Conference** was organised so as to discuss the various ways in which we can conserve and recycle water for both domestic and industrial use. Scheduled for the **15th of July 2018** at the **Emperors Palace Convention centre** in Johannesburg, the event brings together the some of the best ideas in water treatment technology to discuss clean water technology, water solutions and strategies in domestic and

industrial waste water treatment. We will also focus on current advances in water treatment research.

Attending the conference will be ideal for municipal water management and treatment professionals, end users, researchers, engineers, managers, educators, suppliers and contractors, as it is dedicated to advancing new developments in the treatment, use and reuse of water for domestic, industrial and other engineering purposes. Delegates will get insights into the latest applications available in the industry, get educated on current technology and hold wide ranging discussions with their peers active in water treatment.

## Target Audience

- CEO
- Director
- Technology Officer
- Policymakers and regulators
- Wastewater treatment companies
- Urban planning and development agencies
- Research and development organisations
- Instrumentation and monitoring solution providers
- State housing development authorities
- Technology providers
- Public health departments
- Multilateral funding agencies
- Consulting firms
- Infrastructure development organisations
- Local authorities
- Water boards
- Water engineers
- Civil engineers
- Environmental consultants
- Water scientists
- Laboratory technicians
- Municipal managers
- Municipal water engineers
- Storm water engineers
- Water & sanitation engineers
- Government decision-makers
- Government officials
- Health officials
- Water management boards
- Scientists
- Water & effluent managers
- Water treatment specialists
- Underground mine managers
- Underground water engineers
- Surface mine managers
- Surface mine water engineers
- Quarry managers
- Universities
- Training & Research Institutes





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### DRAFT PROGRAMME

**07:00 Registration and Networking**

08:45 Opening remarks

09:00 The role of business in water treatment technologies  
**Garyn Rapson: Partner: Webber Wentzel**

09:45 Effective water treatment solutions for rural areas  
**Sylvia Tshivhunge: Director, Municipal Services: WSSA**

**10:30 Mid-morning break**

11:00 Ultrafiltration, desalination and other water solutions to coastal areas  
**Cobus Raubenheimer: Project Director: EPF Systems**

11:45 Alternative technology for primary waste-water treatment  
**Dhevan Govender: Senior Manager: Commercial and Business: eThekweni Water and Sanitation**

**12:30 Lunch**

13:30 Research and Development into technological innovations to mitigate water scarcity  
**Henk Smit: Managing Director: Vovani Water Products**





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# REGISTRATION FORM

To register, please complete form below

**Participant 1:** .....

Designation: .....

Company / Organisation: .....

Email: .....

Phone: .....

**Participant 2:** .....

Designation: .....

Company / Organisation: .....

Email: .....

Phone: .....

**Participant 3:** .....

Designation: .....

Company / Organisation: .....

Email: .....

Phone: .....

Postal Address: .....

.....

Person dealing with accounts: .....

Country: .....

Company VAT No: .....

Email Address: .....

Signature: .....

Date : .....

By completing and signing this form, the signatory accepts the terms and conditions as stated on the registration form.

Please indicate your choice of payment method

Bank Transfer

Cash Deposit

#### Banking Details

Vukani Communication Consultancy (PTY)  
First National Bank  
Account No. 62584405867, Account Type : Cheque  
Branch Name : Randburg Square  
Branch Code: 261750

## FEE R3 999 Excl Vat per person

Conference fee above INCLUDES the following entitlements: Entrance to session, registration pack, daily lunch and refreshment breaks.

Registration fees above EXCLUDES the following entitlements: Travel costs and accomodation.

## REGISTER NOW

#### Terms and Conditions

- The following terms and conditions will apply
- Vukani Communication reserves the right, due to circumstances beyond our control, to change speakers, conference content, date and venue.
  - The signed registration form is a binding contract.
  - No seats will be reserved unless Vukani Communications receives a signed registration form.

#### SUBSTITUTIONS:

- Delegate Substitution. Substitution is welcome at any time and do not incur any additional charges. Please notify Vukani Communication in writing of any such changes at least 3 days before the date of the event.
- Please note that the speakers and topics were confirmed at the time of publishing however circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics.
- As such, Vukani Communication reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated and sent to you as soon as possible.
- Delegate substitution must be made in writing 7 days before the start of the event.

#### CANCELLATION:

- By signing and returning the registration form, the authorizing signatory on behalf of the stated company is subject to the following terms and conditions.
- Charge of 50% of the Registration Fees, plus R700 (+VAT) Administrative charge will be made for cancellations recieved in writing at least 14 working days prior to the event.
- For any cancellations recieved in less than 7 working days before the date of the event, the full fee will be payable and no refunds or credit notes will be given.
- If registered delegate does not cancel and fails to attend the summit, this will be treated as cancellation and no refund or credit will be issued