

“World Water-Tech is the must attend event of the year, blending latest trends, cutting-edge innovation and fantastic networking.”

Water Efficiency Manager, **SOUTHERN WATER, UK**

WORLD WATER-TECH INNOVATION SUMMIT

London, February 26-27, 2019

Sustainability. Scalability. Service.

worldwatertechinnovation.com

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HOSTED BY

WORLD WATER-TECH INNOVATION SUMMIT

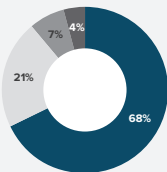
London, February 26-27, 2019

Sustainability. Scalability. Service.

The **2019 World Water-Tech Innovation Summit** is where water utility leaders, start-ups, technology giants, engineers and investors from all over the globe come to find solutions to today's challenges of digitisation, security, energy recovery and new water resources.

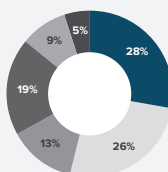


WHO WILL YOU MEET?



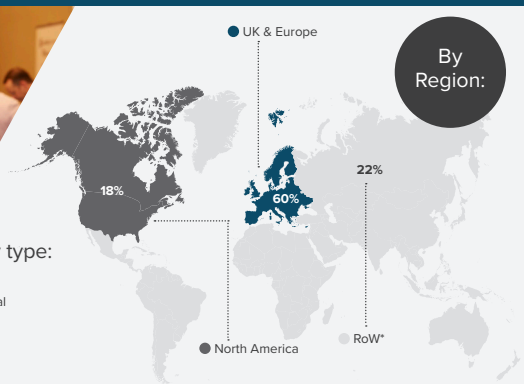
By attendee:

- President/CEO/Director
- Senior Management
- Management
- Other



By company type:

- Technology
- Utility & Industrial
- Government
- Investor
- Engineering
- Media/Other



*RoW inc South America, Asia, East Africa, the Middle East and Australasia



Open dialogue with utility leaders

CEOs/GMs share
their challenges with
technology and
engineering partners

100% focused on innovation

Attracting water
and wastewater leaders
from every part of the
value chain

Access to finance

More investors
and project financiers
than at any other
water event

The most exciting water start-ups

A series of technology
pitching sessions
showcase new and
innovative solutions

A chance to educate the market

Case studies, panel
debates and roundtable
workshops maximise
interactivity

The best networking in water

An extensive 1:1 meeting
system ensures every
delegate meets their
target clients

International in scope

Attracting speakers
and delegations from
around the world looking
for new solutions

Held in London

A dynamic and fast-growing city,
and global hub for
innovation in water and
environmental solutions

“Probably the best event in the water sector. The mix of international delegates including water companies, contractors and infrastructure services companies and industry influencers combined with a top class agenda and the one-to-one meetings is very effective.”

COO, REZATEC

Early Confirmed Speakers include:



Brian Iversen
*Managing Partner
& Co-founder*
CIMBRIA CAPITAL, USA



Remy Jaffray
*Water Integration
Manager*
DANONE, FRANCE



Helge Daebel
Investment Director
EMERALD TECHNOLOGY
VENTURES, SWITZERLAND



Frank Rogalla
*Director of Innovation
& Technology*
FCC AQUALIA, SPAIN



Tertius Rust
Head of Digital
JACOBS UTILITIES, UK



Christian Loderer
*Project & Innovation
Manager*
KOMPETENZZENTRUM
WASSER BERLIN, GERMANY



**Mumuni Adekunle
Badmus**
CEO
LAGOS WATER
CORPORATION, NIGERIA



Eytan Levy
Founder
LEVY VENTURES, ISRAEL



Yossi Yaacoby
Head of Staff
MEKOROT, ISRAEL



Nigel Watson
CIO
NORTHUMBRIAN WATER
GROUP, UK



David Black
Executive Director
OFWAT, UK



Maarten ter Keurst
Director of Investments
PURETERRA VENTURES,
CHINA



Mogan Padayachee
*Technology & Innovation
Group Strategy Manager*
RAND WATER,
SOUTH AFRICA



Reinhard Hübner
Investment Manager
SKION GMBH, GERMANY



**José N. De Pierola
Canales**
Manager of Water Resources
SOUTHERN PERU COPPER
CORP., LIMA-PERÚ, PERU



Ben Earl
*Water Efficiency
Manager*
SOUTHERN WATER, UK



Newsha Ajami
*Director of Urban
Water Policy*
STANFORD UNIVERSITY,
USA



Andrea Gysin
Head of R&D
THAMES WATER, UK



Kieran Brocklebank
Head of Innovation
UNITED UTILITIES, UK



Alex Money
*Programme Director –
Smith School of Enterprise
and the Environment*
UNIVERSITY OF OXFORD, UK



Rik Thijssen
*Manager Business
Development*
VITENS, NETHERLANDS



Nathan Allen
Chief Executive
WATERSTART, USA



Khalil Maalouf
Partner
XPV WATER PARTNERS,
CANADA



Randolf Webb
*Director of Strategy
& Marketing*
XYLEM, EUROPE

Visit www.worldwatertechinnovation.com/speakers to see all speakers

Summit Agenda: Sustainability. Scalability. Service.

PRE-SUMMIT, MONDAY FEBRUARY 25, 2019

AFTERNOON Towards Zero Leakage: Specialist Seminar and Workshop

A half-day participatory workshop and seminar programme in partnership with the UK Department for International Trade and Northumbrian Water Group exploring the question: **how can the global water industry realistically achieve the ambitious target of zero leakage?**

EVENING World Water-Tech Thames River Cruise from Tower Pier

World Water-Tech Thames River Cruise setting off from Tower Pier with informal networking, water quiz and classic British 'pub grub' supper. Open to all delegates and strictly limited to max. 80 guests.

DAY ONE, TUESDAY FEBRUARY 26, 2019

08:55 Welcome Remarks

09:00 Keynote Address: Digital Transformation – Learnings from Outside the Water Sector

Looking outside the water industry to a global company that had to substantially pivot the business to embrace digital potential and a rapidly evolving market.

09:15 Policy, Regulation & Technology: Driving Forward Co-operative Innovation

- What are the successful regulatory drivers that support utilities to deploy advanced technologies?
- How can governments support technology acceleration and help to mitigate risk? What more can policy makers be doing to move the dial and lead the industry forwards?
- Where has innovative or challenging policy / regulation been effectively deployed to create new markets? E.g. phosphorous removal, tough leakage targets. What are the lessons that can be applied to the future?
- How are utilities collaborating and co-creating innovation models?

SESSION CHAIR:

George Gerring, *Partnerships Manager*,
ENVIRONMENT AGENCY, UK

SPEAKER:

David Black, *Executive Director*, **OFWAT, UK**

10:00 Case Study Plenary: Demonstrating the Role of Digital in Transforming Customer Experience

As the water industry gets smarter and smarter, we hear a selection of proven examples of where technological advancement is successfully meeting customer service.

- How is this adoption driving efficiency and savings?
- Who is communicating excellently to stakeholders and how are they doing it?
- What do proactive communication plans look like that help conserve water to ensure there's enough to meet growing demand?
- What game changing technologies are on the horizon?

SESSION CHAIR:

Tony Smith, *Chief Executive*, **THE CONSUMER COUNCIL FOR WATER, UK**

SPEAKER:

Nigel Watson, *Chief Information Officer*,
NORTHUMBRIAN WATER GROUP, UK

10:45 Networking Tea and Coffee Break

Hosted by:



11:15

Evolving From The Outside: Transformative Acquisitions

- What are the critical success factors for a transformative collaboration, investment or a merger and acquisition? At what stage of the lifecycle is this likely to happen?
- Companies advance myriad strategies for creating value with acquisitions, but only a handful are likely to do so. Why is that?
- Which deals over the past 12-24 months have specific, well-articulated value creation ideas going in? What can we learn from the outcomes?
- To what extent do long-term wins depend on the talent and experience of the team vs exceptional technological brilliance?

SESSION CHAIR:

Mike Rosenfeld, *Vice Consul – Senior Advisor | Energy, Environment & Infrastructure*, **UK DEPARTMENT FOR INTERNATIONAL TRADE, USA**

SPEAKER:

Eytan Levy, *Owner*, **LEVY VENTURES, ISRAEL**

12:45

Investments with Impact: Deals of the Year 2018

Investors in water technology companies come together to discuss the hottest deals and investments of 2018 / 19 and share their insight into what the most exciting opportunities and challenges may be over the coming year.

SESSION CHAIR:

Brian Iversen, *Managing Partner & Co-Founder*, **CIMBRIA CAPITAL, USA**

SPEAKERS:

Helge Daebel, *Investment Director*, **EMERALD TECHNOLOGY VENTURES, SWITZERLAND**
Reinhard Hübner, *Investment Manager*, **SKION GMBH, GERMANY**

Jeroen Tielman, *Founder & Managing Partner*, **QSTONE CAPITAL, NETHERLANDS**

Maarten ter Keurst, *Director of Investments*, **PURETERRA VENTURES, CHINA**

Khalil Maalouf, *Partner*, **XPV WATER PARTNERS, CANADA**

12:00

Technology Showcase

Four start-ups pitch their technology and business models to a panel of three 'dragons', with questions from the audience.

PRESENTERS:

Philip Briscoe, *COO*, **REZATEC**

Hervé Suty, *President*, **TERGYs**

IN THE 'DRAGON' CHAIRS:

Abhirabh Basu, *Practice Lead for Water*, **LUX RESEARCH, GLOBAL**

Eytan Levy, *Founder*, **LEVY VENTURES, ISRAEL**

Henri Lambert, *Founder*, **APSARA CAPITAL, UK**



13:30

Networking Lunch Break



14:30

Lightning Talks: Case Studies of Pioneering Partnerships

Four joint presentations from service providers and their clients telling real world stories of where ground-breaking technology has been deployed to great effect. Beyond theory, hear about what is excelling in practice in terms of building capacity, reducing expenditure and boosting efficiency.

Case Study 1: Solving the problem of managing engineering drawings with the cloud

Wayne Evans, *CEO & Co-Founder*, **REDEYE, AUSTRALIA**

Nathan Allen, *Chief Executive*, **WATERSTART, USA**

Country Focus: Khazakhstan

Afzal Amin, *Director*, **LONDON INFRASTRUCTURE**

15:30 Case Study Plenary: Breaking New Ground in the Water, Energy and Waste Nexus

This session we will feature a collection of the best examples of technological optimisation across the water, energy and waste nexus.

- How are the barriers to accelerating adoption of a closed loop being overcome?
- Who is leading the way in cutting-edge energy recovery? How achievable is energy neutrality and who can we learn from?
- To what extent is the need to reduce expenditure on energy driving us towards decentralised models?

SESSION CHAIR:

Fiona Griffith, *Group Director, ISLE UTILITIES, GLOBAL*

SPEAKERS:

Christian Loderer, *Project & Innovation Manager, KOMPETENZENTRUM WASSER BERLIN, GERMANY*

Frank Rogalla, *Director of Innovation & Technology, FCC AQUALIA, SPAIN*

Mogan Padayachee, *Technology & Innovation Group Strategy Manager, RAND WATER, SOUTH AFRICA*

Andrea Gysin, *Head of R&D, THAMES WATER, UK*

16:15 Networking Tea and Coffee Break



16:45 Circular Industry: End Users and Water Reuse

- Year on year, industrial end users continue to be met with ever-louder calls for diversifying water resources and cleaning up at source. How are leading end users approaching wastewater reuse and recycling within their businesses?
- What are the biggest hurdles to water reuse and recycling? How can we get buy-in from stakeholders?
- How should these projects be financed and what could the model look like?
- What areas of innovation are delivering most value to industrial end users? Is there room for improvement?
- What are the opportunities for cloud-based asset management efficiencies in industrial water reuse?
- What other innovative methods of producing alternative water supplies are emerging?

SESSION CHAIR:

Mark Lane, *Consultant, THE UK WATER PARTNERSHIP, UK*

SPEAKERS:

José N. De Pierola Canales, *Manager of Water Resources, SOUTHERN PERU COPPER CORP, PERU*

Remy Jaffray, *Water Integration Manager, DANONE (GLOBAL)*

Alex Money, *Programme Director – Smith School of Enterprise and the Environment, UNIVERSITY OF OXFORD, UK*

17:30 The Watering Hole: Reactive Breakaways and Beverages

Over the course of the day the Rethink production team will be keeping tabs on the hottest conversations and topics, bringing these together in real time to close proceedings with themed, informal chats over drinks served at the table. There will be two 20-minute rotations.

18:30 Closing Remarks and Networking Drinks Reception



DAY TWO, WEDNESDAY FEBRUARY 27, 2019

08:00 **Breakfast Briefing (by invitation)**

08:55 **Welcome Remarks**

09:00 **Making the Digital Difference:
Big Data and the Analytics of Things**

- How can we amplify the power of data to optimize decision making across water networks? Beyond raw data, how must utilities approach the Analytics of Things?
- What are the key challenges that arise with implementing cloud-based operations and artificial intelligence? Is the realignment of resources and operations the biggest hurdle?
- What are the cast-iron examples of where employing IIoT and Aot / AI has improved efficiency, resilience, predictive maintenance and / or driven down operational costs?
- What new business models are emerging as a result?
- What do we know now that we wish we'd known five years ago?

SPEAKERS:

Randolf Webb, *Director of Strategy & Marketing*,
XYLEM, EUROPE

Colby Manwaring, *CEO*, **INNOVYZE, USA**

09:45 **Industry Brief: Threat and Innovation
in Industrial Cyber Security and What it
Means for Water**

10:00 **Technology Showcase**

Four start-ups pitch their technology and business models to a panel of three 'dragons', with questions from the audience.

PRESENTERS:

Martin Ryen, *CEO*, **PHAREM BIOTECH**

Wolfgang Vogl, *Founder & General Manager*,
VIENNA WATER MONITORING SOLUTIONS

IN THE 'DRAGON' CHAIRS:

Abhirabh Basu, *Practice Lead for Water*,
LUX RESEARCH, GLOBAL

Eytan Levy, *Founder*, **LEVY VENTURES, ISRAEL**
Henri Lambert, *Founder*, **APSARA CAPITAL, UK**

10:45 **Networking Brunch**



11:45 **Rethinking Desalination: is Desal 2.0
on our doorstep?**

- 2018 has seen a surge of activity in the international desalination industry. Is Desal 2.0 on our doorstep? What might it look like?
- How far away are we from game-changing upgrades in application (i.e. scaled-up solar powered desal) and materials (i.e. graphene membranes)?
- Projected Compound Annual Growth Rate (CAGR) of the reverse osmosis membrane market is around 15.92% (\$7.04 billion) by 2026 – will this create an economy of scale that will make desal significantly more commercially viable?
- Dispersion modelling of brine waste discharge: what do we do with high intensity brine in the future? What is the business case to deal with ever higher levels of physical discharge as plant building accelerates?
- With increasing occurrences of drought and water stress in currently abundant areas, where can we expect brand new desal markets to appear? What's the timeline?

SPEAKERS:

Mosbah Helali, *CEO*, **SONEDE, TUNISIA**

Grant Page, *Founder, Chairman & President*,
MI SYSTEMS, USA



12:30 **Lightning Talks:
Mega Cities, Mega Challenges**

We hear from representatives hailing from 3 'mega cities', who will explain how they are going about meeting some of the biggest water challenges on the planet.

HOST:

Newsha Ajami, *Director of Urban Water Policy*,
STANFORD UNIVERSITY, UK

CITY 1: Nigeria – How is Africa's largest, most dynamic city meeting its water challenges?

Mumuni Adekunle Badmus, *CEO*, **LAGOS WATER CORPORATION, NIGERIA**

CITY 2: Lima – What to Do About Rapid Population Growth

CITY 3: Mexico City – Managing Extreme Scarcity



13:15 **Open Source Water Hubs: How Could We
Share Technology & Data Around the World?**

- To what extent do water hubs deliver what they say they will? How successful are they at commercialising and scaling up tech in real terms?
- Water hubs are developed to cultivate innovation – what would such a network look like on global scale? How would it work?
- Water hubs thrive in a tightly-knit ecosystem belonging to a particular geography: is a 'global water tech hub' an oxymoron?
- What examples of technological cross-pollination have occurred between municipal hubs?
- What existing platforms could be adopted or acquired to form the bedrock of such an initiative? Who takes responsibility?

SESSION CHAIR:

Hein Molenkamp, *Director*, **WATER ALLIANCE, NETHERLANDS**

SPEAKERS:

Andrea Gysin, *Head of R&D*, **THAMES WATER, UK**

Yossi Yaacoby, *Head of Staff*, **MEKOROT, ISRAEL**

Kieran Brocklebank, *Head of Innovation*,
UNITED UTILITIES, UK

Nate Allen, *Executive Director*, **WATERSTART NEVADA, USA**

14:00 **Close of Summit**

DAY 3, THURSDAY FEBRUARY 28, 2019

WORLD WATER-TECH: INNOVATION TOUR

We are delighted to confirm a full-day tour of **Anglian Water's** pioneering 'Shop Window' in Newmarket for up to 20 delegates. More detailed information to follow.



Meet the Innovators

Technology Showcase

A highlight of the World Water-Tech Innovation Summit programme, early-to-mid stage water-tech companies pitch their solution to our audience of global water leaders, technology integrators and investors. Each company has 7 minutes to present the highlights of their technology and business model before taking questions from the panel of of ‘dragon’ investors and the audience.

The TechHub

New to London 2019 – a branded networking space for water-tech start-ups to showcase their brand and meet potential partners.



“It was an excellent summit with a great atmosphere and impressive organisation, the willingness to help and the effort you made to connect us with potential clients and key industry players brought great value for the company.”

CEO, KANDO
TECHNOLOGY SHOWCASE PRESENTER IN 2018



WORLD WATER-TECH
INNOVATION SUMMIT
London, February 26-27, 2019



1-1 Meetings

We make it simple for delegates to connect before, during and after the summit through the 1-1 meeting tool, breakout workshops and evening networking drinks.

A dedicated meetings hub onsite and the support of our informed team at the event mean you will never miss a potential new contact.

Leaders from these companies attended in 2018, make sure you join them in 2019:



“ I have been inspired with innovative solutions to drive business benefits and had the opportunity to meet and create relationships with key members of the water industry. ”

Senior Engineer, **UNITED UTILITIES**

WORLD WATER-TECH
INNOVATION SUMMIT
London, February 26-27, 2019

Join 250+ global water leaders, utilities, engineering consultancies, technology companies and investors at the **World Water-Tech Innovation Summit** to meet new partners, forge alliances and do business with the best in water.

DELEGATE REGISTRATION

£1,450 + VAT

PRE-SUMMIT: Monday February 25, 2019

Interactive Business Workshop

£100 + VAT

How can we realistically work towards the ambitious target of zero leakage by 2030?

World Water-Tech Thames River Cruise

£100 + VAT

Informal networking event featuring a water-themed quiz and Classic British 'Pub Grub' dinner.

POST-SUMMIT INNOVATION TOUR: Thursday February 28, 2019

Water industry specialist tour to Anglian Water's 'Shop Window'.

£150 + VAT



Your Summit Registration Includes:

- ✓ Supported networking and guaranteed introductions
- ✓ Access to all sessions at the two-day summit
- ✓ Delegate pack including full delegate list
- ✓ Your choice of a roundtable discussion group
- ✓ Personal login for the 1:1 meeting system online
- ✓ Presentations available online after the summit
- ✓ Networking drinks on the first evening of the summit
- ✓ All refreshments, breakfasts and lunches



3 Ways to Register

By phone: +44 (0)1273 789 989

By Email: georgia.freeman@rethinkevents.com

Online: www.worldwatertechinnovation.com/register



Venue

The Tower Hotel: Guoman

St Katharine's Way, London, E1W 1LD

www.worldwatertechinnovation.com/venue

“A very busy and highly effective two days: a rare opportunity to network 1:1 with clients and new tech companies from around the world.”

Innovation Champion, AECOM

Marketing and Media Partners



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