

Part of



Resilient cities a focus at Amsterdam International Water Week Conference

Wim Kuijken, the Dutch Delta Programme Commissioner, added a high profile presence to the Amsterdam International Water Week Conference yesterday, giving a keynote presentation to open the day's resilient cities track.



Kuijken gave an overview of the ambitious Dutch programme, which is attracting great interest around the world as major urban areas increasingly wake up to the need to get climate change adaptation measures in place over the coming years.

'We will make the Netherlands more resilient to the effects of climate change - that is our goal for 2050,' said Kuijken. 'The Netherlands has learned from the past and understands that avoiding disaster is more cost effective and socio-economically smart. Within the uncertain context of climate change, we have to find the balance between too much, too early and too little, too late. Therefore we adopt the adaptive

approach in our programme with low regret measures. This leaves us options in the future, as well as responding to climate change adequately.'

John Batten, Global Cities Director and Global Director of Water with

'We have to find the balance between too much, too early and too little, too late.'

Wim Kuijken, Dutch Delta Programme Commissioner, speaking at the AIWW Conference yesterday

consultancy Arcadis gave another keynote to the resilient cities track. He highlighted the very real vulnerability of major cities when it comes to water with a graphic image of drought-hit Sao Paulo and went one to offer some examples of the way cities are investing in infrastructure to better protect themselves for the future. This includes the type of combined green infrastructure and recreational areas constructed in Manhattan post-Hurricane Sandy, as well as the ambitious plans of Doha to increase its storage capacity from three to 30 days with what will be the world's largest manmade reservoir complex.

Arcadis will be launching a water sustainable cities index in January.



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In this day and age, getting yourself trending on twitter gets high praise! Talk and be talked about!

With your help we can get all of us trending. Tweet and retweet with #aquatech and we will award a 100 euro drinks #voucher to one of the twitterers.

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DUTCH TEAM SECURES FOURTH WORLD WATER CUP

Yesterday saw the international pipefitting competition take place in Hall 7, with the team from the Netherlands winning the World Water Cup - for the fourth time. The winning team was Marco Borhem, Arie van Bladeren, Ben Harmans and coach Hans Vlieger. The team from the UK took second place, with USA / Mexico in third place.

Join the smart water journey

The AquaStage series of presentations in Hall 2 this week offers visitors a chance to get up to speed on some of the latest developments in the water sector, and a special session this afternoon gives an ideal opportunity to do just this in the area of how to create smart, data-driven water utilities.

The session is led by the SWAN Forum smart water industry network and runs from 15:30-17:00 at stand 02.226. 'The title of our workshop is "Taking the smart water journey with the

same types of questions. They collect all this data, but the question is what to do with it,' says Cahn. The title of the session comes from the fact that these two issues come together in a process. 'A lot of times people think of a particular smart water technology, but there is really a journey to adapt different layers of smart water architecture,' he adds.

In what is a rapidly evolving smart water landscape, there is a real need for all the different parties involved to share views. 'I think dialogue is incredibly

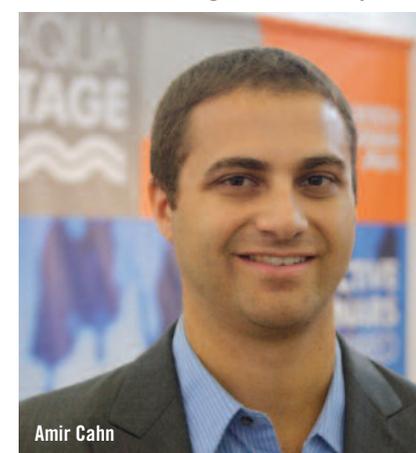
'SWAN has industry competitors working together because our members understand that to advance the water sector, we need industry collaboration.'

Amir Cahn, SWAN Forum

SWAN Forum", and what we want to do is provide an overview of what it really means to become smart,' says Amir Cahn, SWAN's Director of Research and Business Development.

Cahn will also share details of the different tools available from SWAN to guide utilities on their path to becoming smart, and SWAN member industry experts will be on hand to provide extra insight.

There are an increasing number of technologies on the market aimed at creating smart utilities. At the same time, the amount of data available is escalating. 'Utilities all over the world face the same types of issues and the



Amir Cahn

important,' says Cahn. 'SWAN has industry competitors working together because our members understand that to advance the water sector, we need industry collaboration.'

This need for dialogue is exactly the motivation for running today's workshop. 'I think it is an incredibly timely moment for this workshop because we are bringing in different stakeholders and demonstrating our resources which people may not be familiar with.'

AQUASTAGE PRESENTATION SETS SIGHTS ON MEXICO

Today's 3.30pm AquaStage presentation will focus on the buoyant Mexican market and a great new venture in that country for Aquatech.

Paul St Amour, EJ Krause's vice president, Latin America, will explain how to do business in Mexico, and a representative from Mexico's national water commission, Conagua, and the national association of water and sanitation utilities, ANEAS, will give a presentation on the Mexican water industry.

The launch of a new event in the global Aquatech programme, Aquatech Mexico, which will take place from 26 to 28 October 2016 in Mexico City, will also be celebrated during the session.

“How many measurement systems are needed to simply and safely analyse drinking water?”

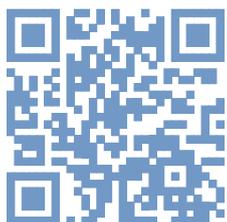
One. Type 8905 packs up to six sensors in one compact casing. This saves space, time and money – during installation, operation and maintenance. The online analysis system can be modularly fitted with miniaturized analysis cubes – during operations with hot swap functionality. Each cube registers itself in the system and transmits reliable measurement data even with minimal sample water flow.

Six parameters, one screen, one great overview. It doesn't get any better.



**Aquatech
Amsterdam**

3rd – 6th November
BOOTH 02.128



INSPIRING ANSWERS

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bürkert
FLUID CONTROL SYSTEMS

Danish report promotes sustainable urban drainage

A white paper launched yesterday by State of Green at the Danish pavilion made the case for greater use of Sustainable Urban Drainage Systems.

'Like many other countries, Denmark has experienced the consequences of a changing climate first-hand with combined sewer overflows and flooding,' commented Tanya Jacobsen, Senior Project Manager with State of Green. 'We are therefore acutely aware of the need for intelligent and innovative solutions to managing rainwater. With this white paper we hope to share our experience and lessons learned with

other countries and hopefully inspire new international collaboration on how to design SUDS.'

According to the various chapters and case examples in the publication, there are many benefits and cost-efficiencies to be achieved by using rainwater as a resource. 'The key is to have the right tools and models to ensure that efforts are prioritized best and that the right stakeholders are involved at the right time throughout the process,' continued Jacobsen.

See the State of Green website (stateofgreen.com) for the report.

INTERACTIVE PLANT TOUR SHOWING DOW'S COOLING WATER SOLUTIONS

Visitors at Aquatech have the opportunity to experience Dow's technologies first-hand, or "first-vision", at the three Dow TouchPoints in various locations throughout the event floor. These interactive plant tours enable attendees to virtually explore Dow solutions in action. The plant tour shows the specific challenges in cooling water operations and the technologies that help companies solve a variety of problems, while achieving cost savings, operational efficiencies and environmental goals.

The virtualised interaction provides example of how Dow technologies work together to solve customer issues, whether related to microbial contamination, scaling, fouling, corrosion or resistive, hard-to-clean fouling.

Dow Water & Process Solutions offers a broad portfolio of ion exchange resins, reverse osmosis membranes, ultrafiltration membranes, fine particle filters and electrodeionization products, with strong positions in a number of major application areas.

Come and see for yourself at the entrance hall 02.000, the main show room 01.423 and the Innovation Lab 07.422.



New feature provides stormwater focus

The new Aquatech Storm Water Pavilion is proving an invaluable asset, with a series of highly topical presentations on the Aquastage both on Wednesday and today.

StormwaterItalia's Dr Stefano Biondi, who will make a presentation today at 1.15pm and also spoke yesterday, says: 'Water pollution is 80% from storm water runoff and just 20% from wastewater. If you are talking about value, it is

necessary to improve the engineering and approach.'

He adds that taking care of such pollution 'is easy from a technical point of view, but difficult to manage because it comes from a number of sources'. Various different skills may come into play, he explains. 'It's not just a piece of equipment – a magic machine – it involves urban planning, and a lot of engineering.'

Triton's David Cleveley will speak on the Aquastage today at 1.45pm to introduce the company's stormwater solutions. Triton's stormwater retention chambers are made from carbon-neutral soy-based resin and have attracted 'amazing' interest at Aquatech, according to sales manager Ben Small. The other speakers today are Microdyn Nadir's Werner Rupprich, who will look at a Singapore case study of the company's membrane-based stormwater management technology, and Meghan Jensen from the Water Council.



Innovations on show at Aquatech 2015

UNBELIEVEABLE RESPONSE FOR BURKERT

Bürkert Fluid Control Systems (stand 02.128) experts are demonstrating the company's wide-ranging competence in developing custom system and automation solutions at Aquatech, via a reverse osmosis skid constructed from its products.

Though the company has no desire to move into desalination, the demo system showcases Bürkert's capabilities, notably its new, compact modular system for measuring water parameters. This consists of a base and cubes, each measuring one of up to 30 parameters, which can be placed interchangeably upon it. Each base can hold up to three cubes, depending on client requirements.

Bürkert's water segment manager, Dr Egon Hüfner, reports that the system has proved very popular: 'It's been continuously busy since opening – it's unbelievable; it's the first time that we've had this situation at a trade show.'

BATHROOM WATER TREATMENT FOR TOILET FLUSHING

Advaqua (stand 07.371) has launched a money and water-saving residential greywater system at Aquatech this year. The Greenflush system takes bathroom water, treats it and disinfects it so it is safe for flushing toilets. By doing this, it's possible to use 30% less mains water, and discharge 30% less to the sewer system.

An extra option allows washing machine water to be saved for garden irrigation – an intelligent control unit remembers water use patterns and reserves sufficient water for toilet flushing.

Company founder Arthur Valkieser says the system will also be shown at Aquatech in Nashville next March. The drought-hit US states, including California, Arizona and Texas, are key targets.

FRIGERIA UNVEILS VENDING MACHINE CONCEPT

Italy's Frigeria (stand 04.405) is unveiling an exciting new vending machine concept at Aquatech, seen here for the very first time.

Frigeria's Dr Lorenzo Martinetto explains that there are two basic Freeblu machines, one of which provides a spectrum of types of water, the other a range of no-sugar added juices mixed with water.

Frigeria designed the machines from scratch, so they are unique systems with stainless steel internals to eliminate bacterial contamination. Both connect to the water supply, and provide micro-filtration and UV sterilisation. If you want your water still, sparkling, cold or hot, all are possible, and the machines help users save on plastic and carbon dioxide emissions.



SODI SCIENTIFICA PROMOTING NEW ELECTROLYTE UNIT

Sodi Scientifica (stand 03.203) is an Italian company founded in Florence in 1964. The company specializes in pumps, instrumentation, dosing units and electrolytes. At Aquatech this year, the company is presenting its new polyelectrolyte unit, the Automix E. It consists of a control unit, polymer metering unit and solution dissolving, aging and dosing tank.

'We've been in the water technology market for the past 50 years and this is a very big year for us,' said Cosimo Cecchi, Soda Scientifica's Export Sales Manager. 'We've conducted a significant renewal of our line, with particular regard to our pumps, our electrolyte unit, the Automix E and our self-regulating unit PWM (Pulse With Modification). The electrolyte unit is brand new and the PWM unit is the new system we've included on our pump line.'

POSITIVE REACTION FOR JACOBI CARBONS

Jacobi are the world's largest producers of activated carbon, a renewable resource with many potential applications including water cleaning air cleaning and other uses. Jacobi has developed a new product line with activated carbon made from coconut.

'Our new product line consists of high purity activated carbon for drinking water and high purity water applications' said Erik Lauer, Jacobi Carbons Executive Vice President. 'We also have a product range of ion exchange resins. The show has been very good today with lots of positive enquiries.'

Jacobi Carbons was founded in Stockholm in 1916 and has now become a leading producer of activated carbon with an average annual growth rate of over 30 percent over the last decade.

Aquatech Innovation Award finalist TECHNOLOGY-AGNOSTIC METER DATA COLLECTION

The FATHOM Meter Data Management platform offered by US company FATHOM Water Management as a software-as-a-service is new to Europe, but has been enjoying rapid success in its home country. Some four million meters across about 25 utilities are using the platform, including the 3.5 million meters of American Water.

The platform, a finalist in this year's Aquatech Innovation Award, offers a means for utilities to gather and process their metering data, yielding insights that bring financial benefits. 'It is technology-agnostic, so it does not matter what metering manufacturer you use,' comments Graham Symmonds, the company's Chief Knowledge Officer. 'Our goal is to get onto 100 million meters.'

The platform can handle data from automated meter reading systems and advanced metering infrastructure, allowing for incremental progression by utilities to the more sophisticated systems. It is offered as a subscription service and provides real-time and geospatial information across the utility and to customers.

According to Symmonds, one potential market for the system is in the UK, where utilities may be looking to provide enhanced metering options to industrial customers when the sector is deregulated and such customers are able to choose their supplier.

NORWEGIAN NEWS

The main goal of Norway's Gavita WaterTech is to optimize water usage and to add value to industrial waste at minimum cost. They deal in ultrafiltration polymeric and ceramic membranes, nano-micro bubble generators, ozone and UV technologies. You can find them in Hall 7, stand 07.400, just opposite the WEF pavilion.

Rapid screening solution for sewers

Gravity-fed sewers can be screened rapidly for blockages using the new Sewer Line Rapid Assessment Tool, or SL-RAT, of US manufacturer InfoSense, Inc., a finalist in this year's Aquatech Innovation Awards. The system's patented active acoustic technology allows pipes to be assessed in three minutes or less. With more than 10,000km of pipes already surveyed in the US by over 60 municipal customers, the system is now being introduced in Europe.

'This is a new technology that provides wastewater collection system operators with a tool that provides some condition-based maintenance capability that didn't exist before in an economical way,' comments Alex Churchill, the company's Chief Operating Officer. The system works by transmitting a structured acoustic signal from a sewer manhole and monitoring the signal received at the adjacent manhole. 'A pattern matching algorithm is used to provide an estimate of the blockage condition in the pipe,' says Churchill, explaining that the likelihood of a blockage is scored on a scale of zero to ten.

The rapid assessment therefore allows for more efficient deployment of more expensive camera surveys and actual cleaning of sewer lines, helping to avoid both under-cleaning and over-cleaning. 'In the US we have found that about 70% of the pipes inspected are pretty clean, so if they were planning on cleaning them, they would have been wasting time and resources,' says Churchill.

Most units to date have been sold directly to end-user utilities, and for Europe the company is looking in

'We are looking for some high quality distributors that we can sign up and work with.'

Alex Churchill, InfoSense
Aquatech Innovation Award finalist

particular to find sales partners. 'We have found that we really need to focus country by country to properly serve customers in each market, and so we are looking for some high quality distributors that we can sign up and work with,' says Churchill.

AQUAJOB

Looking to advance your career? Look no further than AquaJobs (stand 03.500) in the Media Pavilion.

While people relax amid the magazines and media information, this new addition to Aquatech – a collaboration between Aquatech, Watervacatures and H2O-Job – provides an exciting opportunity for exhibitors to display their vacancies to visitors.

From today, the Aquajobs will also be displayed on the Aquatech website – click on the link to any job for more information and contacts.

This is the first collaboration of its sort for Aquatech, and one that it's hoped can be extended to other Aquatechs around the world.



AQUATECH INFORMATION

Telephone numbers

Emergencies / Alarm: +31 20 549 1234
RAI Hotel & Travel Service: +31 20 549 1927
Taxi: +31 20 777 7777

Opening hours

Tuesday, Wednesday, Thursday: 10.00 – 18.00 hrs
Friday: 10.00 – 17.00 hrs

Badges

For safety and security reasons it is mandatory to wear your badge at all times on the RAI premises. Please ensure that your badge is clearly visible.

Get the Aquatech App

For more information and the ultimate guidance at the show, please use our app. Search for 'Aquatech App'.

Wifi

Wifi is available free of charge on the show floor, but is not guaranteed.

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Aquatech continues online all year round

All exhibitors are listed at aquatechtrade.com, the online catalogue for the international water industry. There, Products & Services is a browseable and searchable online catalogue, meaning you are just two clicks away from having access to the companies that provide the products or services you require. Click on the company name for general information on that company, including address and contact details, featured products and services, brands and company news, 365 days a year, 24/7.

Aquatech Daily News

The Daily News is published by RAI Amsterdam every day during the show. Any suggestions or input for the Daily News can be made to Keith Hayward, owner of Aqua Fluency Ltd and editor of the Daily News. He can be reached at: khayward@aquafuency.com.

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Aquatech Pavilion

Major international interest for Danish pavilion

The Danish Water Technology Group has been hosting a group of companies at the Danish Water Pavilion in Hall 7, booth 245. The Danish water technology sector is vibrant and fast-growing, achieving tremendous advances in water technology innovation within water supply, distribution, treatment and management.

'We had a lot of activity yesterday,' said Ilse Korsvang, Head of the Danish Water Technology Group. 'We've got some really great companies here, around 11 or 12 companies actually at the event, all of them promoting products that are very innovative as well as being sustainable and energy efficient. Business has been really good, very international with very focused and very qualified visitors who really know their business. The Danish Pavilion has attracted a lot of interest and people are very keen to see what we have to offer.'

One of the companies exhibiting at the Danish Pavilion is Unisense Environment. Its product manager is Mikkel Barker and the company is currently promoting its nitrous oxide sensor at the show. The company focuses on sensor technology.

'Our new nitrous oxide sensor is the only one of its kind in the world,' said Mikkel. 'We believe it is the essential

tool for optimizing treatment processes and lowering your carbon footprint.

The Danish companies have reported a high level of interest during the day. Cembrane A/S is a manufacturer of microfit membranes selling to OEMs and system integrators.



'What makes us unique, and distinct from products based on silicon carbide, is that our membrane is chemically inert,' said Sebastian Andreassen from Cembrane A/S.

Other companies in the Danish Pavilion include Roswater, which manufactures the Tube A1 for backflow prevention and the Water Kiosk which helps delivery trucks to refill with clean water, and AQSEP, an international company involved in the development of small decentralized water purification systems.

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