



Project
Innovation
Awards

Reimagining the future of water

The IWA Project Innovation Awards 2022 Awardees

SPONSORED BY THE SALINE WATER
CONVERSION CORPORATION



We, as the global community, have signed up to the ambitious task of universal access to safe water and dignified sanitation by 2030 through the Sustainable Development Goals (SDGs) in a time of increased water scarcity worldwide. In addition, much of the developing world is invested in a development trajectory to both grow their economies and improve the quality of life. It is clear that this can only be achieved through a Water and Sanitation Revolution empowered by a culture of creativity and innovation.

The IWA Project Innovation Awards, generously sponsored by the Saline Water Conversion Corporation, is rapidly becoming a keystone and rallying point that recognises and rewards the ingenuity of water innovators on the one hand while encouraging a new generation of water leaders for the 21st century on the other. It is hoped that other partners will join in this global initiative and support the further development, commercialisation and industrialisation of these innovations in order to realise the water security and universal access that we collectively desire.

Dhesigen Naidoo

Chair of the Judging Panel

Competition and Judging

The 13th IWA Project Innovation Awards attracted a record 203 applications from 52 countries during an open nomination process throughout 2021 and 2022. This scale of interest in the awards programme reveals the breadth of innovation and ambition throughout the IWA network, and should be a cause for great optimism across the sector. Entries were evenly spread across the six award categories, each of which reflects a distinct field of innovation in water management. Every project was independently evaluated by a panel of expert judges according to its innovative nature and key outcomes. Judges also took into account the circumstances in which each project was devised and its potential for broader impact. Following a rigorous and competitive evaluation process, the judging panel selected a top three for each category. Tonight, we are here to recognise the outstanding achievements of our finalists – and to celebrate trailblazing innovation as one of them is crowned winner of the Grand Innovation Award 2022.

The Awards

1. Market-changing Water Technology and Infrastructure

This award celebrates innovations in water and wastewater technologies and infrastructure, which embrace forward-thinking applications and solutions to advance clean and safe water goals. These solutions can range from specific technologies to innovative approaches.

2. Performance Improvement and Operational Solutions

Original thinking is essential for overcoming long-term challenges and delivering solutions for the future. This award celebrates new and innovative approaches that improve performance, efficiency, resilience and sustainability in water operations and maintenance.

3. Breakthroughs in Research and Development

Research is the powerhouse of disruptive and breakthrough innovation. This award celebrates research that is challenging existing markets and addressing future needs to create new opportunities. It is open to research of all types, as well as early stage business projects that are not yet market ready.

4. Exceptional Project Execution and Delivery

Innovation in the execution of water projects is critical for the sector. This award celebrates projects that developed and implemented: creative practices during their execution; excellent client relationships beyond expectations; outstanding responses to unexpected difficulties.

5. Governance, Institutions and Social Enterprise

This award celebrates social innovation, social enterprise and social entrepreneurship and their contribution to sustainable water management. In addition, it recognizes innovations in governance and institutional transitions and the role this plays in supporting the circular and digital water economies.

6. Smart Systems and the Digital Water Economy

This award celebrates digital solutions with the potential to reshape the water sector. Harnessing and aligning this technology between the physical and digital worlds, creates a smarter way of managing and protecting water resources and building a water-wise society.

2018 Grand Innovation Award Winner



Cranfield University – Nano Membrane Toilet

The team behind Cranfield University's Nano Membrane Toilet won the grand prize at the 2018 International Water Association (IWA) Project Innovation Awards in Tokyo. The Cranfield team picked up the Grand Innovation Award Winner, presented to an outstanding example of innovation in the water sector.

The Nano Membrane Toilet has been developed in response to the Bill & Melinda Gates Foundation's 'Reinvent the Toilet Challenge'. The challenge was to develop a toilet that provides a safe sanitation solution for the developing world, at minimal cost to the user. Many areas which lack access to this basic need are also those areas with non-existent or unreliable water, sewage and electricity supplies. Cranfield's solution is able to treat human waste on-site without external energy or water, allowing it to be safely transported away and potentially reused.

Market-changing Water Technology and Infrastructure



PUB, Singapore

Choa Chu Kang Waterworks Membrane Expansion

The upgraded water treatment plant at Choa Chu Kang Waterworks (CCKWW), commissioned in June 2019, is the largest ceramic membrane facility for potable water treatment in the world, comprising a 40 million gallon per day (MGD) ceramic membrane filtration system. The plant also houses an ozone-biological activated carbon (BAC) filtration facility to enhance the water treatment process. Beyond its compact design, the ceramic membrane system also allows the use of continuous pre-ozonation for cleaning of the membrane surface as it filters the water. The introduction of ozone-BAC filtration also ensures that the final treated water is biologically stable and enhances the robustness of the treatment plant. With the upgraded plant, CCKWW boosts Singapore's water resilience by producing water sustainably and cost-effectively. This project underlines PUB's push for innovation through R&D and international collaboration to advance clean and safe water goals.



Tongji University, China

Sustainability and Resource Recovery from Organic Waste: The First Sludge & Food Waste Co-digestion Project in China

Waste recycling with reduced carbon emissions has been widely accepted to confront global climate change challenges, as it provides major opportunities to accelerate technology innovation and industrial upgrading. Wastewater sludge and kitchen waste are two major organic pollution issues in China, with huge amounts generated and a complex intrinsic composition, which can be considered both as pollution and resource. In China, there are over 5000 WWTPs, of which less than 3% have sludge anaerobic digestion (AD) facilities. Only 15% of the AD facilities are actually operational. Moreover, only 10% of food waste is collected for AD, based on a study of 300 Chinese cities. These factors highlight a crucial need for innovation and expansion of AD technology in the country. This project in Zhenjiang provided a sustainable solution for sludge and food waste treatment with in-depth resources recovery, which could be adopted more widely with remarkable environmental and social benefits.

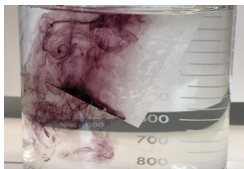


NAWASSCOAL CO Ltd, Kenya

Unlocking Opportunities in Sanitation: From Poo to Product (P2P)

NAWASSCOAL offers sanitation services and transforms human waste into fuel briquettes. Briquettes are an environmentally-friendly and safe alternative to charcoal and firewood. NAWASSCOAL's main market is in its home-county Nakuru (50%), with a significant market presence in Nairobi (40%) and in the rest of the country (10%). Due to COVID-19, NAWASSCOAL's main market segment including poultry, hotels, eateries, schools and institutions, has been forced to close in Nairobi, Nakuru and neighbouring counties. This has resulted in a huge decline in sales and has adversely affected NAWASSCOAL's operations and expansion plans. Furthermore, travel restrictions make it impossible to collect faecal sludge and sell briquettes. These challenges led NAWASSCOAL to consider drastic measures to remain afloat during the pandemic. Thanks to Aqua for All's support, they were able to grow within the household market segment.

Breakthroughs in Research and Development



Montclair State University, United States

Ferrate (VI)-enabled Emergency and Daily Household Water Treatment

This project aimed to advance ferrate(VI) (i.e., Fe(VI)) chemistry and develop user-friendly designs for immediately and proactively surmounting challenges in household water treatment (HWT) for daily and emergency supply demands. The research, built on Prof. Deng's cumulative efforts in Fe(VI) studies, adopted a holistic approach with the special attention to process intensification and user-centered design. Specifically, a three-phase study was performed, including 1) proof-of-concept Fe(VI) for emergency HWT, 2) enhancing HWT with Fe(III)-activated Fe(VI) and demonstrating an easy-operation teabag design, and 3) identifying and deliberating five essential, interrelated principles for the design of sustainable HWT. These efforts advance and harness Fe(VI) chemistry for tailored water applications, promise water autotomy, and deliver innovation-based HWT processes and design principles for people without safely managed potable water services, particularly in low- and middle-income countries, in an equitable and sustainable manner.



Wetsus, Netherlands

ViviMag: Urban Mining of Iron and Phosphate from Sewage

Our society needs to adopt a circular use of phosphorus resources from sewage for food production. Current phosphorus recovery technologies have limitations in efficiencies and applicability. Wetsus and TU Delft with several public and private industry partners and Kemira, the technology owner, developed a novel approach to phosphorus recovery that enables easier recovery for an important market segment, namely sewage plants applying iron salts for phosphorus removal. The approach follows an urban mining concept and utilizes wet magnetic separation technology from the mining industry to recover vivianite, a blue ferrousphosphate mineral. The technology development was a collaborative effort with public and private industry partners and is now piloted at an industrial scale by Kemira with Veolia in Germany, and soon will be further piloted in Denmark and in the Netherlands. It moves towards commercialization under the brand name of ViviMag®.



Logan City Council, Australia

Fired Up: Australia's First Biosolids Gasification Facility

Logan City Council's Logan Water has pioneered an Australian and most likely a world-first – a facility which transforms human waste, or biosolids, into renewable energy and a sustainable product called biochar. Biosolids gasification will destroy chemicals in biosolids like persistent organic pollutants, and micro and nano-plastics. Carbon emissions will be reduced by about 6,000 tonnes a year. Operational cost savings and carbon credits will return almost \$1M a year to the City of Logan, and a new revenue stream will be created from biochar sales. Biochar contains nutrients like those found in commercial slow release fertilisers; making it great for healthy soil and plants. Biochar can also be added to soil, asphalt, concrete and bricks to sequester carbon for thousands of years. Our \$28M project was completed in April 2022. It was funded by Council with a \$6.2M grant from the Australian Renewable Energy Agency (ARENA).

Governance, Institutions and Social Enterprise



CETAQUA, Spain

Circular Gavà: Heading Towards Circular Opportunities in Spain

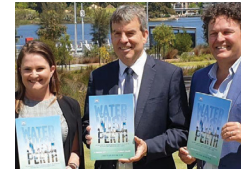
The project made it possible to create a culture based on sustainable development through the implementation and execution of 3 actions identified for the “water-energy-waste” flows. The most tangible action has been the construction and operation of a water station using regenerated water to clean public transport vehicles. In addition, the team developed a Circular Economy Innovation Centre, to support and drive the transition to a circular economy and the participation of the cities of Gavà and Castelldefels in the Intelligent Cities Challenge network promoted by the European Commission. Through these initiatives, both territories continue to take actions to ensure their growth, sustainability, and resilience. For example, last year they launched a new two-year public-private collaboration agreement within the framework of the Circular Data-Driven Cities project.



Agua Segura, Argentina

Proyecto Agua Segura

Proyecto Agua Segura is a triple impact B Corp specialized in nature-based solutions and water access projects. We work together with organizations to help them develop sustainability strategies, designing tailor-made projects and measuring our performance according to global KPIs. We were born to address one of the world’s most pressing social and environmental issues: the water crisis. 2 billion people lack access to safely managed drinking water services. 2.3 billion people live in water-stressed countries. Climate change is projected to increase the number of water-stressed regions and exacerbate shortages in already water-stressed regions. Our purpose is to ensure access to water in a sustainable way for human, economic and environmental development. To do so, we develop sustainable water projects for corporations that generate a positive impact.



Monash Sustainable Development Institute, Australia

Perth Water Sensitive Transition Network

Stakeholders in Perth recognised that collaboration across sectors and disciplines and a shift from conventional water management approaches were required to maintain a highly liveable city. In partnership with the Cooperative Research Centre for Water Sensitive Cities (CRCWSC), Perth stakeholders trialled new planning and collaboration tools between to identify the strategic changes required to transform the city’s water future. The Water Sensitive Transition Network in Perth, Australia, demonstrates how an informal network of cross organisational and cross-sectoral champions with a shared vision can drive on-ground change in urban water management. This informal community of practice is driving greater alignment and collaboration across the many government agencies to deliver the liveability, sustainability, productivity and resilience outcomes of a water sensitive city. These outcomes have been assessed at a metropolitan level and show a measurable positive change between 2016 and 2021.

Performance Improvement and Operational Solutions



Jacobs, Singapore

Changi Water Reclamation Plant Digital Twin

Jacobs have partnered with PUB, Singapore's national water agency to develop a whole plant simulation model for Changi Water Reclamation Plant (CWRP). The integrated model combines real-time data from supervisory control and data acquisition (SCADA) historian with software simulation packages (Replica™ and Sumo), to integrate hydraulics, process, controls and data analytics into a single platform, a whole plant simulation capable of replicating plant operations and predicting future performance in real-time. Customized user interfaces are also built into the model to improve its functionality and maximize user experiences. Through a secured connection to the SCADA system, the model replicates CWRP's hydraulic, process, and control components with near real-time data feeds. The data are checked to ensure accuracy before being automatically fed into Replica™ for hydraulics and control simulation and Sumo for process simulation of the wastewater treatment plant. The application was developed as the first of its kind in the world.



City of Sydney, Australia

Green Square - Enabling Urban Renewal Through Effective Flood Risk Management and Stormwater Harvesting

The collaboration between City of Sydney and Sydney Water on the Green Square Stormwater Drain project is an innovative approach to reducing flood hazard in a heavily built-up area with high community expectations. The project combines complex hydraulic analysis and assessment with innovative construction techniques. Through the provision of stormwater treatment, downstream water quality is improved and water is recycled for non-potable water use showcasing the way urban water resources should be used and managed in an uncertain environment where climate change plays an increasing role.



Acciona, Spain

Environmentally-friendly Desalination: Transforming Seawater into Valuable Resources (LIFE DREAMER)

The LIFE DREAMER project has been led by ACCIONA and has been developed together with AQUASTILL and WE&B, from September 2017 until December 2020, with the support of the EU LIFE Programme. It has developed and demonstrated at pilot scale, in San Pedro del Pinatar (Spain), an innovative highly efficient desalination scheme, which besides producing drinking water from seawater in a more efficient way, has been able to recover resources that can be used within the desalination process itself or in other activities. In terms of efficiency, the overall process water yield has been increased and the external chemicals and specific energy consumption has been reduced. In terms of circularity, streams rich in calcium and magnesium and in phosphorous have been produced. In terms of sustainability, the life cycle assessment (LCA) conducted has indicated lower environmental impacts in all the categories addressed in comparison to a conventional desalination scheme.

Exceptional Project Execution and Delivery



Keppel Seghers, Singapore

Keppel Marina East Desalination Plant

Unlike conventional water treatment plants, KMEDP features a sleek, modern design where water treatment processes are situated underground, freeing up the land at ground level for public and recreational activities. This transforms the plant from a mono-functional infrastructure into a lush park that is rich in biodiversity and supports nature and a variety of wildlife, demonstrating that engineering and design excellence can go hand-in-hand in the push for sustainable urbanisation. The plant can treat either seawater or freshwater depending on the prevailing weather conditions. In dry weather, KMEDP will draw water from the sea to produce desalinated water. When it rains, the plant will draw rainwater collected in the Marina Reservoir to produce potable water. The plant can produce 137,000 cubic metres of drinking water per day, strengthening Singapore's water supply resilience. The project, which is also Singapore's fourth desalination plant, began commercial operations in June 2020.



China Water Environment Group, Shanghai Jiao Tong University, People's Government of Dali, China

Erhai Lake Project: A Paradigm Shift for Water Pollution Control and Social Development

Lake Erhai is the 7th largest freshwater lake in China attracting many visitors worldwide. However, the water quality has significantly deteriorated throughout the years. China Water Environment Group, Shanghai Jiaotong University and the local Dali Government have taken a series of actions to restore and protect the lake through PPP mechanisms and innovation since 2015. Fertilizer usage was reduced, inflow river wetland and littoral zones were built for ecological restoration, sewage networks and 6 underground water reclamation plants were constructed to reclaim wastewater. All these plants are covered by landscapes so that the sewage systems have minimum impacts on the environment. *Ottelia acuminata*, a species indicating water quality, reappeared in 2020 showing that the lake is recovering successfully. Meanwhile, the restoration attracted more tourists. In 2019, the total tourism revenue of Dali increased to 5.9 billion dollars.

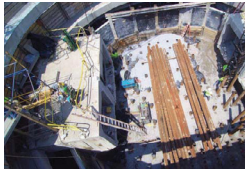


Water Corporation, Australia

Groundwater Replenishment Scheme

Water Corporation's Groundwater Replenishment Scheme in Perth, Western Australia, was Australia's first full-scale scheme of its kind. Its recent \$320 million expansion further secures Perth's water supply by doubling its long-term capacity up to 28 billion litres of recycled wastewater per year. This purified recycled water is recharged into deep underground aquifers to be mixed with existing groundwater and stored for future abstraction, treatment, and supply to the drinking water network. The first stage of the scheme has been operating since 2017 following a successful three-year trial. This innovative rainfall-independent water source forms part of Water Corporation's three-pronged approach to develop new water sources, reduce water use and increase water recycling. By 2035, Water Corporation aims to recycle more than a third (35%) of treated wastewater.

Smart Systems and the Digital Water Economy



Xylem Inc., United States

Buffalo's Wastewater Network Optimization Program

The City of Buffalo was experiencing nearly two billion gallons of combined sewer overflows (CSOs) annually, leading to a consent decree requiring improvements to its collection system. Facing limited funds from a reduced rate-payer base, Buffalo Sewer Authority (BSA) began looking for innovative, cost-effective methods to reduce CSOs across the city. Xylem worked alongside BSA's engineers and consultants to deploy Xylem's Wastewater Network Optimization solution, creating a real-time decision support system (RT-DSS) across the city and providing optimized control strategies to maximize the efficiency of existing infrastructure. This approach transformed Buffalo's massive gravity sewer system into a managed conveyance and storage system, sent more than 3 billion additional gallons of flow to treatment since 2017, and lowered the budget needed to fulfill the Administrative Order by \$145 million.



Herning Vand, Denmark

Data-driven Decision Making – Developing the data|APX® Software Solution

The data|APX® solution launched in the spring of 2018 with a global ambition to support water utilities in harvesting value from existing data - ultimately optimizing utility budgets and environment. The digital project idea and first steps towards a solution was headed by APX10 in close and open dialogue with Herning Vand and other utilities in the Nordic market. The absolute starting point was uncovering utility pains based on an in-depth study of common utility data. The need for a dynamic Asset Performance Management (APM) tool resulted in a digital asset management solution suitable for the SME utility segment. Implementing utility data from Herning Vand has been a critical factor towards validating the solution with a strong focus on how to scale pain-solving measures, making it beneficial to utilities at a global scale.



Moulton Niguel Water District, United States

Digital Engagement & Efficiency Through Collaboration

Moulton Niguel Water District is a data-driven utility deploying state-of-the-art technologies to operate efficiently, protect local watersheds, and increase customer engagement. Moulton Niguel developed an initiative to modernize its infrastructure by implementing an Advanced Metering Infrastructure (AMI) to serve as the backbone architecture for delivering high-resolution water data to staff, customers, and neighboring communities. With AMI in place, the District has leveraged this new data source to develop in-house data tools, supply customers with water use information via its customer portal and create a regional partnership to reduce pollution in local watersheds. The portal, smart meter technology, and watershed collaboration provide a comprehensive approach to improve efficient use of scarce resources, while empowering customers to take control of their water usage decisions.

Category Chairs



Dhesigen Naidoo

Chair of the Judging Panel

Dhesigen Naidoo is Climate Commissioner, Research Associate ISS, President HumanRight2Water and former CEO at the Water Research Commission. He was previously Director of Research and Innovation at the University of Pretoria. He served as an official in the South African government between 1996 and 2007 including as Deputy Director-General for International Cooperation and Resources in the Ministry of Science and Technology. Between 1990 and 1996 he was a medical natural scientist at the University of Cape Town and Red Cross Children's Hospital.



Chris Hertle

**Category Chair:
Market-changing Water Technology
and Infrastructure**

Chris Hertle is GHD's Global Market Leader - Water. A Chemical Engineer with more than 25 years' experience, Chris played a key role in helping roll out GHD's Innovation Programme. Chris has been involved in numerous municipal and industrial water projects and was involved in the introduction of membrane bioreactors into Australia. He is a member of the Water Project Group for the World Business Council for Sustainable Development.



Yoji Matsui

**Category Chair:
Performance Improvement and
Operational Solutions**

Yoji Matsui is in charge of capacity development for water supply in Yangon, Myanmar, for PUC Co., Ltd. PUC is a subsidiary of Tokyo Waterworks where Yoji began his career in 1973. In 2007-15 he was at JWWA's International Division and has organized several IWA regional workshops. He is an IWA Fellow.



Marion Savill

**Category Chair:
Breakthroughs in Research and
Development**

After gaining her PhD in Biochemistry Marion Savill was employed as a scientist in what is now ESR where she established a solid reputation for her technical expertise, with a progressive leaning toward health-related water microbiology. She is the author of many peer-reviewed articles and has co-authored with highly regarded senior scientists across the world. She is president of the New Zealand chapter of the IWA's Health-Related Water Microbiology (HRWM) group.



Darryl Day

Category Chair:

Exceptional Project Execution and Delivery

Darryl Day is CEO, The Peter Cullen Water and Environment Trust. He was previously Executive Director Water Research of the Northern Territory Department of Mines and Energy in Australia and has more than 30 years' experience in the water and energy sectors. Darryl was President of AWA in 2005-2007, and Director from 2000 to 2009. He currently chairs the IWA Australian Committee.



Dr Cecilia Tortajada

Category Chair:

Governance, Institutions and Social Enterprise

Dr. Cecilia Tortajada is a Adjunct Senior Research Fellow, Institute of Water Policy, Lee Kuan Yew School of Public Policy, Singapore. The main focus of her work at present is on the future of the world's water, especially in terms of water, food, energy and environmental securities through coordinated policies. She has been an advisor to major international institutions like FAO, UNDP, JICA, ADB, OECD and IDRC, and has worked in countries in Africa, Asia, North and South America and Europe on water and environment-related policies. She is a member of the OECD Initiative in Water Governance.



Xiaohua Chen

Category Chair:

Smart Systems and the Digital Water Economy

Xiaohua Chen is Process & Application Director for Veolia Water Technologies Asia Pacific. He received his PhD in Hydrology from the University of Paris and worked within Veolia's HQ for 10 years before his appointment as Engineering Director Asia Municipal in Beijing. He has successfully directed a number of projects in advanced water treatment technologies and is actively involved in developing new solutions for the Asia Pacific region.

Judging Panel

Paul Brown

Practitioner, author, and speaker experienced in the planning and management of water utilities and environmental services

Guillermo Capati

Adjunct Professor, IWA Fellow and a Fellow of Engineers Australia (Civil and Environmental College)

Xingcan Zheng

Chief Engineer at the North China Municipal Engineering Design & Research Institute

Nupur Bahadur

Senior Fellow, Tadox Technology Centre for Water Reuse, Water Resources Division, TERI

Blanca Antizar

Consultancy Director at Isle Utilities

Mohammad Javad Samiee

CEO of water and environment consultancy Abangah

Diane D'Arras

Board Member at International Water Association, Immediate Past-President at International Water Association

Mark van Loosdrecht

Professor of Environmental Biotechnology and Wastewater Engineering at Delft University of Technology, and Chief Editor of the journal Water Research

Norhayati Abdullah

Associate Professor of Environmental Engineering at Universiti Teknologi Malaysia

Val Frenkel

Vice President of Process Engineering at Greely and Hansen

Kevin Hickerson

Leak detection specialist and an active member of the AWWA Water Loss Control Committee

Rose Kagwa

Director Business and Scientific Services, Uganda National Water & Sewerage Corporation

Marie Whaley

IWA Board Member & Independent Consultant

Helena Alegre

Senior Research Officer at the National Civil Engineering Laboratory of Portugal and Director of the Hydraulics and Environment Department

Corinne Trommsdorff

CEO and Founder of Water Cities

Perry Rivera

COO, New Business Operations, Manila Water Company

Ichiro Embutsu

Chief Researcher of Hitachi Research Laboratory

Sudhir Murthy

CEO of NEWhub, a cleantech firm

Anna Poberezhna

Founder & CEO Smart4Tech

Oliver Grievson

Chair of the IWA Digital Water Programme and Technical Lead at Z-Tech Control Systems

المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation



Sponsor – Saline Water Conversion Company

SWCC (Saline Water Conversion Company) is the world's largest producer of desalination at nearly 6 million m³/d, currently expanding to 8 mil m³/d within the next few years. In addition, it operates 3 million m³/d of dam, reservoir and well-water to supply Saudi Arabia its drinking water. The company is in the midst of a transformation to commercialize under the newly established Water Solutions Company (WSC), owned by the Saudi Public Investment Fund (PIF). As such, its mandate will expand beyond its current role and look to include business ventures in other markets as well in way of investments and other opportunities in water. It has in recent years invested heavily in R&D and innovation promoting the advancement of brine-mining, low-energy SWRO, desal for agriculture and much more. It partners with world-leading research institutes and utilizes its commercial piloting capacity to accelerate R&D. It upholds a strong commitment to all stakeholders in the water industry to bring about the next generation of water technology to promote water as a resource that is abundant, affordable, accessible and sustainable. Learn more: <https://www.swcc.gov.sa/en>



About The International Water Association

The International Water Association (IWA) is the leading network and global knowledge hub for water professionals, and anyone committed to the future of water. IWA, which is a non-profit organisation, has a legacy of over 70 years. IWA connects water professionals in over 130 countries to find solutions to global water challenges as part of a broader sustainability agenda. IWA connects scientists with professionals and communities so that pioneering research provides sustainable solutions. In addition, the association promotes and supports technological innovation and best practices through international frameworks and standards. Through projects, events, and publications, IWA engages with its members to stimulate innovative ideas and content in support of IWA's vision of a water-wise world.



inspiring change

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