

المؤتمر العالمي لتحلية المياه 2026

تعزيز استدامة المياه العالمية
من خلال الابتكار

الرياض - المملكة العربية السعودية



IDRA WORLD CONGRESS 2026

Driving Global Water Sustainability
through Innovation

RIYADH - SAUDI ARABIA



WORLD CONGRESS PREVIEW

1 - 5 NOVEMBER, 2026

Held Under the Patronage of



وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture

Hosted By



الهيئة السعودية للمياه
Saudi Water Authority



THE 2026 THEME

Driving Global Water Sustainability Through Innovation

The 2026 theme, "Driving Global Water Sustainability Through Innovation," highlights the need to align technology, finance, governance, and regulations to ensure water solutions are implemented and scaled effectively.

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الهيئة السعودية للمياه
Saudi Water Authority

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Innovation is not just what we invent, it is
what we implement.



01 A MESSAGE FROM IDRA

A Message from the International Desalination and Reuse Association

Dear Delegates,

Today, as climate pressures intensify and demand grows across every region, desalination and water reuse have become central to global water security. The world is entering a new era, the water transition: a shift toward integrated, circular, low-carbon, and digitally enabled water systems that support resilience, development, and SDG 6.

The IDRA World Congress 2026 in Riyadh marks an important milestone in this journey. Hosted in a country that has shaped the evolution of desalination from its early foundations to today's world-scale, energy-efficient systems, the Congress offers a unique platform to learn from experience while exploring the next frontier of integrated, climate-aligned water solutions.

The theme, “Driving Global Water Sustainability Through Innovation,” reflects both the urgency and the opportunity before us. Around the world, utilities are improving efficiency; regulators are enabling reuse; scientists are advancing innovation; and cities and industries are embracing circular water systems. Yet the challenges ahead require deeper collaboration, faster translation of research into practice, and stronger policies and partnerships across sectors and borders.

We extend our sincere appreciation to the Saudi Water Authority and Ministry of Environment, Water and Agriculture for their leadership in advancing solutions across desalination, reuse, circularity, and digital water innovation.

We invite you to join us in Saudi Arabia 1–5 November 2026 — to learn, contribute, share, and help shape the next era of sustainable water together.



Shannon McCarthy
Secretary General



Jon Freedman
President, Term 21

Water Security for Generations to Come

Around the world, water security is under threat like never before. Nearly two-thirds of the global population experiences severe water scarcity for at least one month each year, and by 2030 global demand is projected to exceed sustainable supply by nearly 40%.

Climate change is intensifying this pressure; rising temperatures and shifting rainfall patterns are driving more frequent droughts, more extreme floods, and greater disruption to water availability. Water has moved to the forefront of the global agenda as a resource critical to health, food security, economic stability, and resilience.

The world is entering a water transition: a necessary shift toward integrated, circular, low-carbon, and digitally enabled water systems capable of sustaining growing populations and climate-stressed economies.

The Middle East: a strategic frontline for water resilience

Nowhere is the urgency of this transition more visible than in the Middle East. One of the driest regions on Earth, its cities and industries depend on reliable water supplies to support economic development and stability. The region accounts for more than 45% of global desalination capacity, underscoring both the severity of water scarcity and the scale of its engineering and technological solutions.

Saudi Arabia's leadership in water innovation

As of 2025, the Kingdom produces approximately 16 million m³/day of desalinated water, nearly one-fifth of global output. Saudi Arabia has set a 70 percent treated wastewater reuse target under its National Water Strategy, up from roughly 25 percent today, making reuse a central pillar of the Kingdom's circular water economy.

Four numbers that frame the decade

2/3

of the world faces
severe scarcity at
least one month a
year

40%

projected gap
between demand
and sustainable
supply by 2030

45%

of global
desalination
capacity sits in the
Middle East

16m

m³/day of
desalinated water
produced by the
Kingdom

Saudi Arabia: The Global Stage for Water Transformation

The Kingdom is the world's largest producer of desalinated water, advancing one of the most ambitious water transformations anywhere under SWA and the national direction of MEWA.

The National Water Strategy 2030 targets a place among the top ten countries globally for sustainable water management. Its scale is record-setting, recognized by Guinness World Records, with national water transmission networks, cutting-edge energy footprints, and large-scale production, reaching across the country and a far-reaching localization agenda.

A strong capacity-building base underpins it all: the Saudi Water Academy, the WTIIRA Water Research Institute, KACST, and KAUST. Delegates see this transformation firsthand.



Circular Water Economy

Water reuse as a core national pillar

Net-Zero Desalination

Pathways aligned with renewable energy

Digital and AI Water Intelligence

Forecasting, efficiency, real-time operations

Integrated Systems

Desalination, reuse, groundwater, agriculture, cities

Environmental Stewardship

Improved brine management and ecological protection

Global Water Organization

Riyadh-headquartered global water body, launched in 2025 under Crown Prince patronage

From Vision to Reality

The Kingdom is advancing green, energy-efficient desalination; retrofitting older plants, deploying high-efficiency membranes, and integrating advanced energy-recovery technologies. Its commitment to digital transformation, including AI-enabled forecasting, digital twins, and real-time operational intelligence, enhances system performance, reliability, and cost-effectiveness.

Together, these initiatives reflect a whole-of-system approach where desalination, reuse, groundwater protection, conservation, and efficiency operate as one integrated, climate-aligned network.

Saudi Arabia's water initiatives form a core pillar of Vision 2030, which emphasizes economic diversification, environmental sustainability, and technological leadership. The National Water Strategy calls for meeting 90% of the country's water demand from desalination by 2030, supported by advanced treatment, efficiency improvements, and integrated resource planning.



**25% →
70%**
reuse rate by 2030

50%
clean power by 2030

90%
of municipal demand
met by desalination
by 2030

100%
reuse of treated
urban wastewater

Overview of Saudi Arabia's Water Sector

The Kingdom of Saudi Arabia oversees one of the most advanced, technology-driven, and strategically integrated water markets in the world. As a nation with no perennial rivers and some of the lowest levels of renewable freshwater globally, Saudi Arabia has built a water system that depends on large-scale desalination, extensive reuse, and complex national transmission networks.

The sector is shaped by rapid demographic and economic growth, rising industrial demand, and the requirements of Vision 2030, which places water security at the centre of national resilience and economic diversification. This combination of rising demand and structural transformation has created one of the most active project pipelines in the global water market.

Under Vision 2030, the market is shifting toward efficiency, privatization, circular water use, and integrated resource management. For desalination and reuse professionals, Saudi Arabia represents one of the most dynamic, high-impact water markets worldwide.



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Ministry of Environment Water & Agriculture



LEGISLATION & POLICY

Ministry of Environment, Water & Agriculture

- Sets national water direction through the National Water Strategy
- Oversees long-term supply and demand planning and water mix optimization
- Manages budgeting and water-balancing frameworks for national stability

الهيئة السعودية للمياه
Saudi Water Authority



REGULATION & STRATEGIC ENABLEMENT

Saudi Water Authority

- Regulatory oversight, monitoring and compliance
- Sustainable water supply and consumer protection
- Innovation, digital transformation and capability building

Water Desalination

شركات
SHARAKAT



شركة نقل وتقنيات المياه
Water Transmission and Technologies Co.

شركة المياه الوطنية
National Water Company

المؤسسة العامة للري
Saudi Irrigation Organization



OPERATING ENTITIES

Service delivery

- Saudi Water Conversion Corporation / Sharakat — desalination & purification
- Water Transmission and Technologies Co. — transmission & strategic storage
- National Water Company — distribution, wastewater collection & treatment
- Saudi Irrigation Organization — irrigation and TSE reuse

About the International Desalination and Reuse Association

IDRA is a global non-profit organization that has connected the desalination and water reuse community since 1973. With members in more than 60 countries, it serves as the platform for professionals across science, engineering, government, academia and industry, spanning utilities, technology providers, engineering firms, researchers, policymakers and financiers.

IDRA is a trusted partner to the United Nations. The organization has consultative status with the United Nations Economic and Social Council (UN-ECOSOC), is an accredited observer to the United Nations Framework Convention on Climate Change (UNFCCC), is a Partner of UN-Water, and works with the Food and Agriculture Organization of the United Nations (FAO) through the WASAG Global Framework on Water Scarcity in Agriculture. This places IDRA at the intersection of the global water, climate, food security and development agendas.

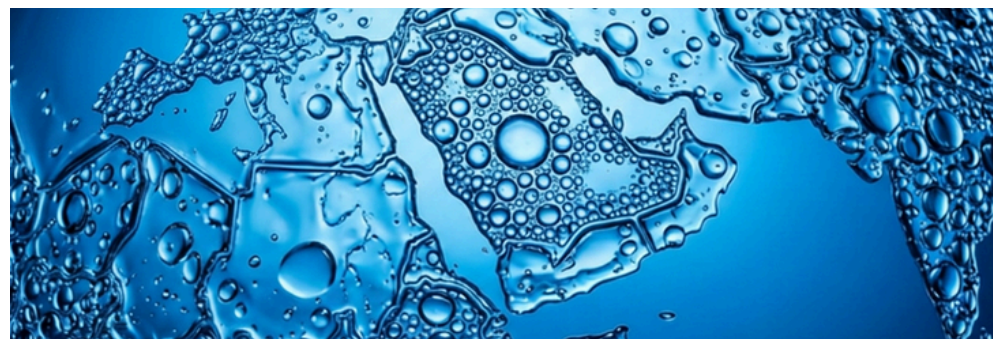
IDRA is committed to advancing water security by fostering research and innovation, building capacity, and supporting the regulatory and institutional frameworks that allow non-conventional water resources to be deployed at scale. Over more than five decades, IDRA has built a global network of scientists, utilities, consultants, developers, regulators and students. It offers scholarships, fellowships and the Young Leaders Program, and publishes the Desalination and Reuse Handbook. It convenes technical workshops, webinars and events worldwide, culminating in the biennial IDRA World Congress.

As the water sector enters its next era of challenge and opportunity, IDRA remains the nexus where ideas become action, where innovation advances into deployment, and where a worldwide community joins to ensure sustainable, affordable and resilient water for all.

Trusted Partner to the United Nations:



Forty years of the IDRA World Congress



1985	Bermuda	2005	Singapore
1987	Cannes, France	2007	Gran Canaria, Spain
1989	Kuwait City, Kuwait	2009	Dubai, UAE
1991	Washington DC, USA	2011	Perth, Australia
1993	Yokohama, Japan	2013	Tianjin, China
1995	Abu Dhabi, UAE	2015	San Diego, USA
1997	Madrid, Spain	2017	São Paulo, Brazil
1999	California, USA	2019	Dubai, UAE
2002	Manama, Bahrain	2022	Sydney, Australia
2003	Bahamas	2024	Abu Dhabi, UAE

2026 Riyadh, Kingdom of Saudi Arabia

IDRA World Congress 2026

Driving Global Water Sustainability Through Innovation

Around the world, communities, industries, and ecosystems are under intensifying pressure from water scarcity, climate volatility, and rising demand. In this environment, securing reliable and sustainable water supplies has become a question of resilience, stability, and shared global prosperity. The IDRA World Congress 2026 is convened to respond to this challenge, with a clear focus on accelerating solutions that can scale.

The 2026 Congress theme 'Driving Global Water Sustainability Through Innovation,' reflects a recognition that technology, science, financing, governance, and policy must move forward together. Breakthroughs only matter when they are deployed and scaled, and when communities, regulators, and institutions trust and adopt them. Innovation is therefore not just what we invent, it is what we implement.

Saudi Arabia is the world's largest producer of desalinated water and is advancing integrated water planning at a national scale. Its leadership makes Riyadh a natural host for a global gathering focused on resilience and future-ready water systems.

The IDRA World Congress 2026 will bring together policymakers, regulators, utility leaders, technologists, researchers, and industry partners from around the world to exchange knowledge and shape the next era of water sustainability. It will serve as a global platform to showcase emerging technologies, strengthen collaboration, and drive coordinated progress toward resilient, efficient, and climate-aligned water systems. The program is designed to foster dialogue between the scientific community, industry operators, financiers, innovators, and decision-makers; ensuring that new knowledge translates to real-world implementation.



01

25 plenary sessions. Ministers, regulators and utility CEOs from 60+ countries setting the global water agenda over five days.

02

4 parallel technical tracks, 200+ peer-reviewed presentations, selected from 300+ abstracts submitted from over 48 countries.

03

Three dedicated forums: the Water Regulation Forum, the Thought Leadership Summit and Doing Business in the Saudi Water Sector: Vision 2030 and Beyond.

04

A robust exhibition across two exhibition halls, with live demonstrations of the technology moving into service in 2027.

05

2,200 delegates. 100+ countries. One week where policy, research and industry make decisions in the same room.

25+
Plenary Sessions

200+
Technical Presentations

6
Dedicated stages

At a Glance: the IDRA WC26 Program

The IDRA World Congress 2026 program is designed to foster dialogue between the scientific community, industry operators, financiers, innovators, regulators, and decision-makers, ensuring that new knowledge translates to real-world implementation.

01 Technical Program

Four daily parallel Theaters and 200+ presentations from a rigorously peer-reviewed open call for abstracts, presenting the latest research and operating experience across 6 main topics and 40 sub-topics.

02 Thematic Program

High-level sessions discussing the current and future challenges of water, plus the Thought Leadership Summit, Majlis Theatre Program, and the Young Leaders Translation Stage.

03 Water Regulation Forum

Regulators, policymakers, and utility leaders address the frameworks that scale desalination and reuse: standards, tariffs, private sector participation, and environmental oversight.

04 Doing Business in the Saudi Water Sector: Vision 2030 and Beyond

A high-level half-day program giving companies and investors strategic insight into the Saudi water sector under Vision 2030 and beyond.



05 Pre-Congress Workshops

The 2nd ACWA Desalination Hackathon, KACST led workshop on “Emerging Contaminants in Water and the Environment: From Advanced Analytical Techniques and AI-Driven Monitoring to Sustainable Treatment Technologies and Regulatory Frameworks” as well as workshops on brine management, and the future of sustainable water management.

06 Exhibition and Business

A global exhibition of public and private sector players across two halls: membrane and equipment manufacturers, developers, utilities, EPC contractors, and technology providers.

07 Industry, Sustainability, Technical Program & Presidential Awards

Recognizing excellence across the sector, presented at the Gala Dinner and Awards Ceremony. I&S nominations open till 20th August, all other awards curated by IDRA Leadership

08 Side Events & Networking

Where the sector meets outside the sessions: Welcome Reception, Gala Dinner and Awards Ceremony, Leaders Summit Reception (invite only), Closing Luncheon and Technical Program Awards Ceremony, Bowling and Golf on-site.

Water Regulation Forum

Pre-Congress · Plenary Theatre

Curated By:



As part of the Saudi Water Authority's efforts to strengthen the Kingdom's international role in water sector regulation, the Water Regulation Forum will be launched as a specialized international conference, bringing together regulators, policymakers, international organizations, experts, decision-makers, and industry leaders to advance the future of water regulation.

The Forum will provide a global platform for knowledge exchange, collaboration, and the sharing of best practices to support the development of effective policies, legislation, and sustainable regulatory frameworks. It aims to enhance water sector efficiency, promote sustainability, and explore innovative solutions to address global water challenges.

IDRA AS STRATEGIC PARTNER

As the Strategic Partner, IDRA brings its global network, technical expertise, and international convening power to help establish the Forum as the leading platform for regulatory dialogue, knowledge exchange, and cooperation in support of resilient, sustainable, and secure water systems worldwide.

PRIORITY THEMES

The Forum's work is organized around five priority themes: International best practice in water regulation, Policy, legislation, and sustainable sector regulation, Innovation and digital transformation, Integrated water resources governance, Operational efficiency and service reliability

WATER REGULATION FORUM AGENDA

- 01** North and South America water regulation models
- 02** Regulatory compliance and performance monitoring in the European water sector
- 03** Integration between government, the private sector and finance
- 04** How emerging economies are moving beyond traditional regulatory models
- 05** Regulatory integration across the GCC
- 06** Bilateral dialogue: Regulatory framework for direct potable reuse

Doing Business in the Saudi Water Sector: 2030 and Beyond

Day 4 · 08:00 to 13:30 · Plenary Theatre

CURATED IN PARTNERSHIP WITH:



Saudi Arabia is the world's largest producer of desalinated water and is delivering one of the most ambitious water transformations underway anywhere. This half-day forum, organized by IDRA and the Saudi Water Authority, gives international companies, investors, technology providers, EPC contractors, manufacturers, and infrastructure developers a direct route into that market.

Five sessions cover the project pipeline, localization, financing, and partnership models, with the Kingdom's procuring authorities, regulators, and financing institutions in the room. The forum closes with a VIP networking lunch and pre-arranged B2B matchmaking, so delegates leave with meetings, not just notes.

WHO SHOULD ATTEND

International EPC contractors, technology and equipment manufacturers, project developers, investors and financiers, multilateral development banks, and companies seeking in-country partners or manufacturing footprint.



PROGRAM AGENDA

- 01** Saudi Water Market Outlook and Strategic Project Pipeline
- 02** Localization, Manufacturing & Industrial Growth Opportunities
- 03** Financing, PPPs, and International Investment Opportunities
- 04** International Investment Case Studies and Strategic Partnerships
- 05** Executive Roundtable: "Positioning Saudi Arabia as a Global Water Innovation Hub Beyond 2030"
- 06** VIP networking lunch and B2B matchmaking: Pre-arranged meetings with Saudi ministries, authorities, utilities, and investors.

Daily Program

01 SUNDAY

1 November
9:00-18:00

Water Regulation Forum
Pre-Congress Workshops
Training Courses
Welcome Reception

02 MONDAY

2 November
9:00-18:00

Opening Ceremony
Exhibition Opens
Thematic Sessions
Technical Sessions
Majlis Discussion Forum

03 TUESDAY

3 November
9:00-18:00

Exhibition
Thought Leadership Summit
Technical Sessions
Majlis Discussion Forum

04 WEDNESDAY

4 November
9:00-18:00

Exhibition
Thematic Sessions
Technical Sessions
Majlis Discussion Forum
Gala Dinner & I&S Awards Ceremony

05 THURSDAY

5 November
9:00-15:00

Exhibition
Doing Business in the Saudi Water Sector
Technical Sessions
Majlis Discussion Forum
Closing Luncheon and Technical Program
Awards Ceremony



IDRA WORLD CONGRESS 2026

Driving Global Water Sustainability
through Innovation

RIYADH - NOVEMBER 1-5, 2026

Under the theme Driving Global Water Sustainability Through Innovation, IDRA World Congress convenes experts, decision-makers, and innovators to showcase the latest technologies, promote sustainable water development, and support global development goals.

Under the Patronage of the Ministry of Environment, Water and Agriculture

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture



Hosted and Organized by



الهيئة السعودية للمياه
Saudi Water Authority



THEME 1 Process & Design		THEME 2 Environment		THEME 3 Energy		THEME 4 Operations		THEME 5 Digital & AI		THEME 6 Reuse	
TIME				PLENARY THEATRE							
DAY ONE				Water Regulation Forum							
09:15		Welcome and Opening Remarks									
09:30		Session 1: North and South America water regulation models									
10:50		Session 2: Regulatory Compliance & Performance Monitoring in the European Water Sector									
12:00–12:30				Networking break				EXHIBITION AREA, HALLS 1 AND 2			
12:30		Session 3: Integration Between Government, the Private Sector and Finance									
13:30		Bilateral Dialogue: Regulatory Framework for Direct Potable Reuse									
13:45		Session 4: How Emerging Economies are moving beyond Traditional Regulatory Models in the Water Sector									
15:05		Session 5: Towards regulatory integration of the water sector across the GCC									
16:30		Launch of the Water Regulation Exchange									
DAY TWO				Opening & the Global Water Agenda							
08:30–09:00				Arrival and networking				EXHIBITION AREA, HALLS 1 AND 2			
09:00		Session 1: Framing the Global Water Agenda									
10:00		Session 2: Opening Ceremony									
10:30		Session 3: Keynote Guest Speakers									
10:45		Session 4: The Saudi Water Story									
11:45		D106 Passing of the World Congress Flag to the 2028 Host									
12:00–12:30				VIP Walkthrough to open Exhibition Halls 1 & 2 - and Coffee Break				EXHIBITION AREA, HALLS 1 AND 2			
12:30–14:00				Lunch & Moonshot Presentations/Case Studies				LUNCH AREA, LOWER LEVEL			
14:00–15:45		Session 5: Mobilizing Private Capital for Universal Access				TS 1.1 Process & Design		TS 1.3 Process & Design		TS 1.5 Process & Design	
15:00–16:00		Session 6: Circular Water Economy, Scaling Water Reuse - The Industry’s Biggest Growth Story								TS 4.1 Operations	
16:00–16:30				Networking break				EXHIBITION AREA, HALLS 1 AND 2			
16:30–17:50		Session 7: Integrating Desalination with Next-Gen Energy				TS 1.2 Process & Design		TS 1.4 Process & Design		TS 5.1 Digital & AI	
18:30–20:30				Thought Leadership Summit Welcome Reception				LOCATION TO BE CONFIRMED			
DAY THREE				Thought Leadership Summit							
08:30–09:00				Arrivals & Networking				EXHIBITION AREA, HALLS 1 AND 2			
09:00–10:45		Session 8: From Crisis to Action - Scaling Water Reuse Initiative				TS 2.1 Environment		TS 1.8 Process & Design		TS 1.11 Process & Design	
10:00–11:00		Session 9: AI & Water								TS 1.14 Process & Design	
11:00–11:30				Networking Break				EXHIBITION AREA, HALLS 1 AND 2			
11:30–12:50		Session 10: Power, Policy and Influence				TS 1.6 Process & Design		TS 3.1 Energy		TS 1.12 Process & Design	
12:30–13:00		Session 11: Sport, Adventure & Human Endurance								TS 1.15 Process & Design	
13:00–14:00				Lunch				LUNCH AREA, LOWER LEVEL			
14:00–15:20		Session 12: Changing Narrative on Water				TS 1.7 Process & Design		TS 1.9 Process & Design		TS 3.2 Energy	
14:30–15:30		Session 13: Voices of Impact, Circular Water Talks								TS 1.16 Process & Design	
15:30–16:00				Networking Break				EXHIBITION AREA, HALLS 1 AND 2			
16:00–17:45		Session 14: Youth & Future Leaders Forum - Designing the Water Future				TS 2.2 Environment		TS 1.10 Process & Design		TS 1.13 Process & Design	
18:00–19:30				Evening Reception: YLP Water Changemakers Network				BOWLING ALLEY, INTERCONTINENTAL			



THEME 1 Process & Design		THEME 2 Environment		THEME 3 Energy		THEME 4 Operations		THEME 5 Digital & AI		THEME 6 Reuse				
TIME					PLENARY THEATRE									
DAY FOUR					Policy, Finance & Markets									
08:30–09:00					Coffee & Networking					EXHIBITION AREA, HALLS 1 AND 2				
09:00–10:45		Session 15: The Road to the UN Water Conference					TS 1.17 Process & Design		TS 1.20 Process & Design		TS 1.23 Process & Design		TS 1.25 Process & Design	
10:00–11:00		Session 16: Scaling Water Reuse in the USA - Curated by the WateReuse Association												
11:00–11:30					Networking Break					EXHIBITION AREA, HALLS 1 AND 2				
11:30–13:00		Session 17: Financing Water Infrastructure in the MENA Region - Curated with The World Bank and Arab Fund					TS 1.18 Process & Design		TS 4.3 Operations		TS 4.4 Operations		TS 6.1 Reuse	
13:00–14:00					Lunch					LUNCH AREA, LOWER LEVEL				
14:00–16:10		Session 18: Women Leaders of our Industry					TS 1.19 Process & Design		TS 1.21 Process & Design		TS 1.24 Process & Design		TS 3.3 Energy	
15:00–16:00		Session 19: Water Security 2050: Closing the Gap												
16:00–16:30					Networking Break					EXHIBITION AREA, HALLS 1 AND 2				
16:30–17:25		Session 20: GWI Market Overview					TS 2.4 Environment		TS 1.22 Process & Design		TS 4.5 Operations		TS 1.26 Process & Design	
17:00–17:30		Day 3 Wrap up												
DAY FIVE					Business Forum & Closing									
08:00–08:30					Registration & Networking Coffee					EXHIBITION AREA, HALLS 1 AND 2				
08:50		Business Forum: Doing Business in the Saudi Water Sector - Opening Session												
09:05–11:05		Session 21: Saudi Water Market Outlook & Strategic Project Pipeline												
09:35–10:20		Session 22: Localization, Manufacturing & Industrial Growth Opportunities					TS 2.5 Environment				TS 3.4 Energy		TS 4.6 Operations	
09:55–11:05									TS 5.2 Digital & AI					
10:20–10:35					Networking break					EXHIBITION AREA, HALLS 1 AND 2				
10:35		Session 23: Financing, PPPs & International Investment Opportunities												
11:20		Session 24: International Investment - Case Studies & Strategic Partnerships												
12:05		Executive Roundtable: “Positioning Saudi Arabia as a Global Water Innovation Hub Beyond 2030”												
12:30		Congress Recap: Key Takeaways												
13:00–15:00					Closing Luncheon, Technical Program Awards Ceremony					LUNCH AREA, LOWER LEVEL				

The Full Preliminary Program is
available online at:



MAIN STAGE	PLENARY THEATRE
Day One	SUNDAY 1 NOVEMBER
Welcome and opening remarks	
Session 1: North and South America water regulation models	
Session 2: regulatory compliance and performance monitoring in the European water sector	
Session 3: integration between government, the private sector and finance	
Bilateral dialogue: regulatory framework for direct potable reuse	
Session 4: how emerging economies are moving beyond traditional regulatory models	
Towards regulatory integration of the water sector across the GCC countries	
Launch of the Water Regulation Exchange	
Day Two	MONDAY 2 NOVEMBER
Session 1: framing the global water agenda	
Session 2: opening ceremony	
Session 3: keynote guest speakers	
Session 4: the Saudi water story	
Passing of the World Congress flag to the 2028 host	
Session 5: mobilizing private capital for universal access	
Session 6: integrating desalination with next generation energy	
Circular water economy: scaling water reuse, the industry's biggest growth story	
Day Three	TUESDAY 3 NOVEMBER
From crisis to action: scaling water reuse initiative	
Session 9: AI and water	
Session 10: power, policy and influence	
Session 11: sport, adventure and human endurance	
Influencers and communicators lab: changing the narrative on water	
Session 13: voices of impact, circular water talks	
Youth and future leaders forum: designing the water future	

Day Four	WEDNESDAY 4 NOVEMBER
Session 15: the road to the UN Water Conference	
Session 16: scaling water reuse in the USA - curated by the WateReuse Association	
Session 17: financing water infrastructure in the MENA region - curated with The World Bank and Arab Fund	
Session 18: women leaders of our industry	
Session 19: Water Security 2050: Closing the Gap	
Session 20: GWI market overview	
Day 3 wrap up	
Day Five	THURSDAY 5 NOVEMBER
Business Forum: doing business in the Saudi water sector, opening session	
Session 20: Saudi water market outlook and strategic project pipeline	
Session 21: localization, manufacturing and industrial growth opportunities	
Session 23: financing, PPPs and international investment opportunities	
Session 22: international case studies and strategic partnerships	
Executive roundtable: positioning Saudi Arabia as a global water innovation hub	
Congress recap: key takeaways	100
PROCESS & DESIGN	
TS 1.1	DAY TWO · 14:05–15:45 · TECHNICAL THEATRE 1
Year 2025 witnesses global water technology innovations	
De-Risking Brine Valorization: The "Interface Primacy" Contractual Framework For Desalination-Mining Projects	
UF membrane with fine pores that enables stable operation of UF and RO integrated membranes system	
Thermal and hydrodynamic performance of spacer-filled membrane distillation: numerical and experimental investigations	
TS 1.3	DAY TWO · 14:05–15:45 · TECHNICAL THEATRE 2
Technoeconomic assessment of flat plate collector driven HDH with brine-fed multistage direct contact membrane desalination	
Energy recovery in brackish water reverse osmosis: modeling, integration, and cost-saving analysis	

TS 1.3 cont.	DAY TWO · 14:05–15:45 · TECHNICAL THEATRE 2
Ultrafiltration backwash with RO brine: agadir desalination plant case study	
Evaluation of a novel desalination system: comparing energy consumption of conventional, closed circuit, and batch RO	
TS 1.5	DAY TWO · 14:05–15:45 · TECHNICAL THEATRE 3
Ultrasonic reverse osmosis: field validation of fouling mitigation on colorado river water	
Water chemistry stability as a determinant of cml pipeline reliability in SWRO water transmission	
Comparative study of multi-effect desalination with thermal vapor compression configurations coupled with direct contact membrane distillation	
Bench-scale filterability of pilot-scale as and AGS: hydraulic performance and scale-up potential for wastewater reuse	
TS 1.2	DAY TWO · 16:35–17:50 · TECHNICAL THEATRE 1
Industrial-scale circular economy integration: carbon capture symbiosis and multi-product recovery at sohar 4 IWP SWRO desalination plant, oman	
Laboratory validation of chlorine dose effect on disinfection by products formation in water distribution networks.	
Reusing irrigation water using advanced membrane technology– a case study	
TS 1.4	DAY TWO · 16:35–17:50 · TECHNICAL THEATRE 2
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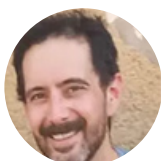
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