



World Utilities
Congress



27 - 29 MAY 2025 | ABU DHABI, UNITED ARAB EMIRATES

INNOVATING FOR A NEW AGE OF UTILITIES



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Although progress has been made in addressing the impact of climate change, a lot more needs to be done if the global community is to achieve a successful energy transition and deliver on the commitment of tripling global renewables capacity by 2030, agreed at COP28 in the UAE. We want the World Utilities Congress to be a place where we can foster that spirit of collaboration and be a catalyst for progress in shaping the sector for the years ahead.

”

Jasim Thabet
Group CEO & MD





Event Overview

The World Utilities Congress brings together global leaders, innovators, policymakers, and investors to drive the future of energy, water, and sustainable infrastructure.

As the world transitions to smarter, cleaner, and more resilient utility solutions, this global gathering fosters cross-sector and cross-border collaboration to build sustainable systems that empower economies, support communities, and shape a connected, energy-efficient future.

18,000+

Exhibition Attendees

20,000 M²+

Exhibition Space

1,400

Conference Delegates

500+

Conference Speakers

120+

Conference Sessions

110+

Participating Countries



Empowering Tomorrow's Utilities Today

In a rapidly evolving world, with increasing demand for our energy and water resources, the World Utilities Congress is at the forefront of shaping today's reality to build the utilities of tomorrow. By uniting forward-thinking leaders, policymakers, investors, and technical experts from around the world, the Congress drives crucial dialogue, collaboration, and innovation.

At its core is a powerful mission: to build sustainable utility ecosystems through strategic partnerships and technological advancement. The World Utilities Congress brings this vision to life, creating connections for stakeholders to unlock new opportunities, drive sustainable progress, and shape the future of utilities worldwide.



US\$1.5 trillion

annual investment required to meet the COP28
UAE Consensus goal of tripling renewable
energy and doubling energy efficiency by 2030

Source: **irena.org**

The Exhibition

The World Utilities Congress is an international platform showcasing the latest innovations across critical sectors, including generation, transmission, distribution, energy services, water, and mobility. The exhibition floor brings together industry leaders, innovators, and solution providers, offering access to cutting-



edge technologies and strategies that address the evolving demands of the utilities sector.

Exhibitors will present their products and solutions to a qualified global audience, creating valuable opportunities and connections with key decision-makers and industry stakeholders. The

exhibition features a diverse array of products and services that support the integration of new technologies into utilities, enhancing operational resilience and sustainability while driving progress in the industry.



Exhibition Sectors



Generation

Adoption of sustainable power generation methods, including renewable and nuclear energy sources, and high-efficiency equipment. Discover innovative solutions aimed at reducing emissions, enhancing reliability, and meeting future energy demands.



Transmission

Integration of smart grid systems, digital monitoring, and automation across power transmission networks. Explore innovations that ensure secure, efficient, and reliable power transfer over long distances with minimal loss.



Services

Comprehensive services for enhancing energy efficiency, optimising consumption, and supporting the transition to renewable sources. Learn about cutting-edge strategies and technologies for demand-side management, district cooling, and green certification.



Mobility

Electrification, automation, and integration of sustainable mobility solutions within the energy ecosystem. Discover how innovations in EV infrastructure can balance energy supply and demand and support a net-zero transition.



Distribution

Modernisation of distribution systems to improve energy access, resilience, and adaptability to dynamic demand patterns. Discover solutions for decentralised energy distribution and grid management.



Water

Advanced water management technologies, desalination, sustainable sourcing, and wastewater recycling processes. Solutions for efficient water use in industrial, commercial, and urban environments to address global water challenges and sustainability goals.



Technology

Cutting-edge digital tools, such as IoT, AI, and blockchain, driving transformation in power and water utilities. Explore advancements in predictive maintenance, real-time monitoring, and cybersecurity that enhance operational efficiency and resilience.

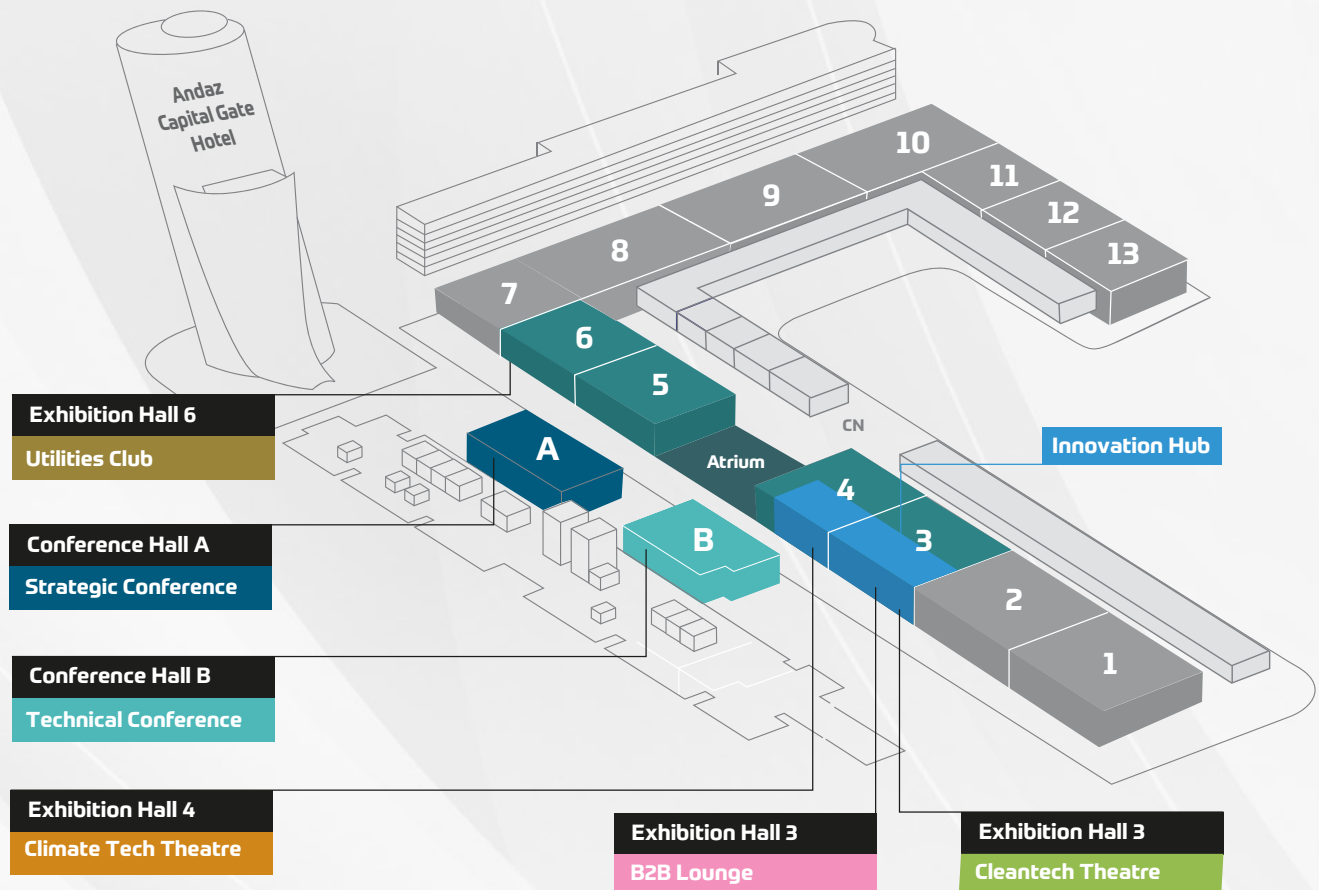


Investments

Insights into current and upcoming projects in the utilities sector, driven by evolving regulatory frameworks and policies. Discover global investment opportunities that align with environmental standards and contribute to the sector's sustainable growth trajectory.



Venue Map



ADNEC CENTRE ABU DHABI, UAE

Exhibition Halls
Halls 3-6 and Atrium

Strategic Conference
Conference Hall A

Technical Conference
Conference Hall B

Cleantech Theatre
Exhibition Hall 3

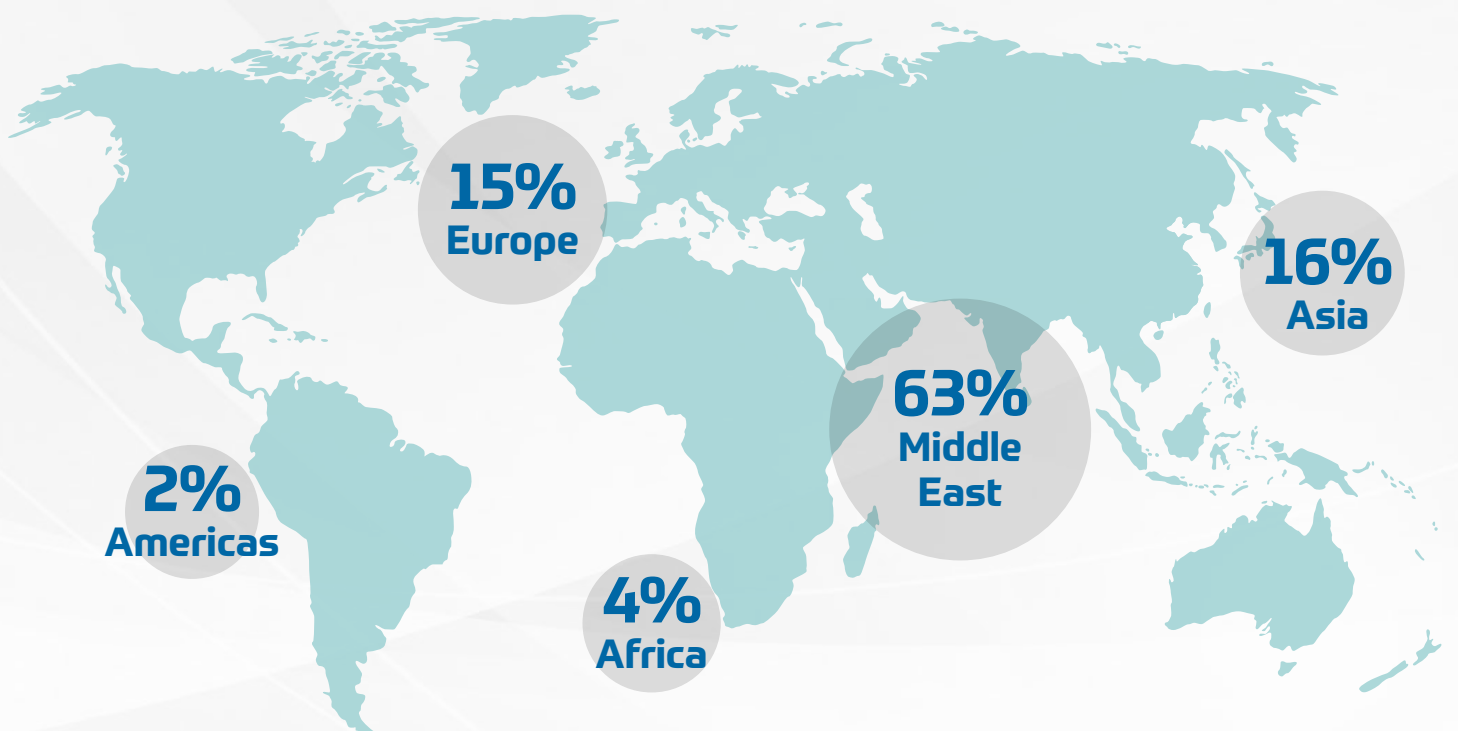
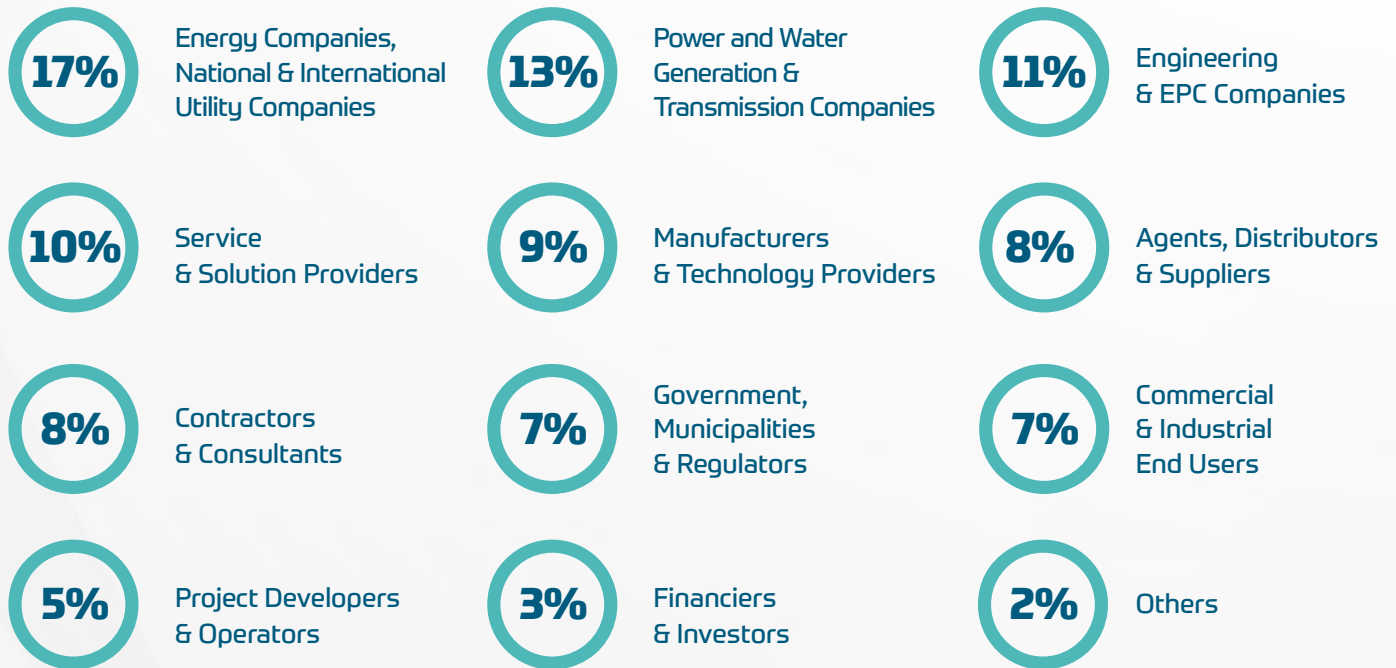
Climate Tech Theatre
Exhibition Hall 4

Utilities Club
Exhibition Hall 6

Innovation Hub
Halls 3-4

B2B Lounge
Exhibition Hall 3

Offering Access to a Global Network of Decision Makers



The background is a solid blue color with a complex, abstract pattern of white and light blue geometric shapes. These shapes include concentric circles, gears of various sizes, and target-like patterns with arrows. The overall effect is a sense of motion and technology.

The Agenda

Over three impactful days the World Utilities Congress is where thought leaders and innovators gather to explore the future of utilities. Featuring strategic, technical and innovation conference streams we host 500+ speakers – from Ministers and policymakers to CEOs and scientists – to explore solutions and collectively address the challenges of creating a secure, sustainable and inclusive utilities industry.

The agenda features a variety of formats, including thematic sessions, keynote addresses, interactive workshops, and panel discussions, all designed to facilitate meaningful dialogue around critical issues facing the industry today.



Strategic Conference

Cross-sector collaboration is essential to drive forward the transformation of power and water utilities. This conference will convene global policymakers and industry leaders to discuss pivotal trends and actionable strategies shaping the future of utilities, with a focus on scalable impact and efficiency.



Technical Conference

To address the energy transition, we need the brightest minds and technical experts at the table. This conference will surface the voices of industry experts as they share knowledge and research insights and unveil the latest developments across energy, water, and utilities.



Innovation Hub

A platform for visionary thinkers and technology pioneers to present transformative solutions for the utilities sector. Through live demonstrations and interactive sessions, participants will experience firsthand the latest advancements in smart infrastructure, digital integration, and sustainable practices.



Leadership Roundtables

Gathering stakeholders – from Ministers and policy makers to CEOs and scientists – these roundtable discussions offer an exclusive setting for collaborative problem-solving on financing, governance, and sustainability, fostering a strategic dialogue that supports transformation and progress across the sector.

Strategic Conference Themes



**Building a more
accessible, affordable
and sustainable power
system**



**Putting water at the
heart of energy
and climate adaptation
plans**



**Unlocking the
potential of AI and
clean technologies**



**Prioritising flexibility
solutions for more
resilient energy**



**Adopting strategic
capital reallocation
and innovative
financing models**



**Shaping policies and
partnerships for
the future of utilities**

Strategic Conference

Speakers

Global CEOs and industry thought leaders speaking at the World Utilities Congress 2025



H.E. Suhail Bin Mohamed Al Mazrouei
Minister of Energy and Infrastructure
UAE



H.E. Dr. Abdulla Humaid Saif Al Jarwan
Chairman
Department of Energy, UAE



H.E. Alexandre Silveira
Minister of Mines and Energy
Brazil



H.E. Yaser bin Ebrahim Humaidan
Minister of Electricity and Water Affairs
Kingdom of Bahrain



Jasim Thabet
Group CEO & MD
TAQA



H.E. Eng Mohamed Al Hammadi
MD & CEO
Emirates Nuclear Energy Corporation (ENEC)



H.E. Eng Saeed Ghumran Al Remeithi
Group CEO
Emsteel



H.E. Majid Al Suwaidi
CEO
Alterra



Datuk Ir. Megat Jalaluddin Bin Megat Hassan
President & CEO
Tenaga Nasional



Benjamin Backwell
CEO
Global Wind Energy Council (GWEC)



Fabrizio Fabbri
CEO
Ansaldo Energia



Loyiso Tyabashe
Group CEO
South African Nuclear Energy Corporation (NECSA)



Farid Al Awlaqi
CEO
TAQA Generation



Luc Remont
CEO & President
EDF Group



Sylvie Jehanno
CEO
Dalkia



J.D. Sitton
CEO
CTC Global



Dr. Sama Bilbao y León
Director General
World Nuclear Association (WNA)



Khalid Al Marzooqi
CEO
Tabreed



Omar Al Hashmi
CEO
TAQA Distribution



Béatrice Buffon
Chairwoman & CEO
EDF Renewables



Dr. Afif Al Yafei
CEO
TAQA Transmission



Sumant Sinha
Founder, Chairman & CEO
ReNew Energy



Varun Gujral
CEO - GEMS APAC
Engie



Manuel Manjon
CEO, Water Business
Acciona



Eng. Ahmed AlShamsi
CEO
TAQA Water Solutions



Christer Viktorsson
Director General
Federal Authority for
Nuclear Regulation
(FANR), UAE



Khalid Al Qubaisi
CEO
TAQA Energy Services



David Auriau
Group CEO
Positive Zero



Mark Blackwell
CEO
Apex Investments



Hebah Abbas
Chairwoman
Kuwait Water
Association



Adri Pols
CEO
Desolenator



Helmut Von Struve
CEO
Siemens Middle East



Omnia Halawani
Co-CEO & Founder
GRFN



Noel Aoun
Group Chief Strategy
Officer
TAQA Group



Jan Lozek
MD and Co-Founder
Future Energy Ventures



Dusun Kim
Founder & CEO
MediSun Energy



Adam Ridgway
Founder & CEO
One moto



**Sheikh Muhammad
Noman**
Founder & CEO
Pegasus Capital
Investments



**Charles-Edouard
Mellagui**
CEO - Cable Business
Unit, Duab
Dubai Cable Company
- Ducab



Valerie Levkov
Global Industry Director
for Energy, Metals &
Mining, and Sustainable
Infrastructure Advisory
International Finance
Corporation (IFC)

Technical Conference

Connecting the brightest minds to power the solutions of tomorrow

The Technical Conference is where innovation and expertise converge to shape the future of the utilities landscape. This conference taps into the deep technical expertise required to effect industry-wide change at the pace and scale required.

With a focus on 20 distinct technical categories, the conference offers access to cutting-edge knowledge, groundbreaking research findings and the latest

advancements in technology across the power and water utilities value chain.

Dedicated to driving tangible progress, the conference serves as a gateway to the latest trends, methodologies, and innovations redefining the way we produce, consume and conserve our energy and water resources.



Technical Categories

CATEGORY 1



Power generation

CATEGORY 2



Energy storage and management

CATEGORY 3



Grid modernisation and smart grids

CATEGORY 4



Low carbon, alternative fuels, and renewable energy

CATEGORY 5



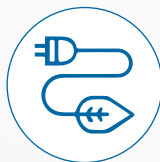
Hydrogen

CATEGORY 6



Nuclear energy

CATEGORY 7



Energy transition, decarbonisation and environmental sustainability

CATEGORY 8



Water supply and treatment

CATEGORY 9



Water infrastructure and sustainability

CATEGORY 10



District energy systems

CATEGORY 11



Gas: processing, operations and technology

CATEGORY 12



Energy markets, strategies and finance

CATEGORY 13



Project management in utilities

CATEGORY 14



Logistics and supply chain in utilities

CATEGORY 15



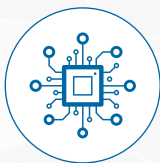
Critical minerals and rare earth

CATEGORY 16



Future mobility and smart communities

CATEGORY 17



Digital transformation and emerging technologies

CATEGORY 18



Operational excellence and asset maintenance

CATEGORY 19



Health, safety, and risk management

CATEGORY 20



ESG (Environmental, Social, and Governance) in utilities

Innovation Hub

The Innovation Hub within the exhibition showcases breakthrough solutions that are shaping the future of utilities.

This dedicated area provides an immersive experience where attendees can explore emerging technologies through live demonstrations and hands-on interactions, gaining insight into how these advancements can directly impact operational efficiency and resource sustainability.

From AI-driven monitoring systems to cutting-edge renewable technologies and smart infrastructure, the Innovation Hub spotlights pioneering products and ideas from both established leaders and promising startups.

Designed as a hub for discovery and collaboration, the Innovation Hub invites participants to engage with the innovations driving resilience, reliability, and transformative change across the utilities sector.





Cleantech & Climate Tech Theatres

Located within the Innovation Hub, the Cleantech and Climate Tech Theatres offer a platform for visionary thinkers, industry experts, and technology innovators to present cutting-edge solutions for the evolving needs of energy, water, and mobility.

In these interactive sessions, participants can experience the latest advancements in areas like digital integration, sustainable practices, and smart utility networks.

Through thought-provoking presentations, panel discussions, and real-world case studies, the Innovation Hub bring insights to life, highlighting how these solutions can be practically applied to address sector challenges, improve grid stability, enhance water security, and advance sustainable infrastructure.

This dynamic program encourages active engagement and fosters an environment where fresh ideas inspire actionable strategies for a resilient and efficient utilities ecosystem.

The Utilities Club

Connecting the industry's elite

The Utilities Club is an exclusive, invitation-only members club designed for senior decision-makers across the utilities sector, bringing together ministers, dignitaries, C-level executives, and industry leaders from across the power and water utilities value chain. Designed as a hub for influential voices shaping the future of utilities, the club offers a space for members to connect, exchange insights, and engage in impactful dialogue.

With a focus on fostering collaboration, the Utilities Club provides tailored spaces for private meetings and discussions, allowing members to deepen partnerships and explore new opportunities in a private setting of unmatched comfort and service. Located within the World Utilities Congress, the Utilities Club enhances the event experience with premium amenities and a sophisticated environment for networking at the highest level.



Strategic Networking



Private Meetings



Concierge Service



Exclusive Amenities





Utilities Club







Leadership Roundtables

Shaping the future of utilities

As utilities worldwide face increasingly complex demands – from decarbonisation and the energy transition to grid reliability and supply chain resilience – strategic leadership and collaboration have never been more important. Today's landscape requires a collaborative approach to addressing sustainability, technological advancement, and operational challenges, with a particular focus on driving investments in clean technologies and securing the talent and resources necessary for sustainable growth across energy and water utilities.

Convening at the heart of the Congress, the Leadership Roundtables offer a high-level platform for key stakeholders, including policymakers, industry executives, and experts, to engage in critical discussions on the most pressing challenges and opportunities of our time. These focused discussions are designed to bridge insights with action, transforming innovative ideas into practical solutions for advancing the utilities sector toward a sustainable and resilient future.



Focused Discussions



Collaborative Solutions



Global Expertise



Diverse Perspectives



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FUEL

NEW FOR 2025

Future Utilities and Energy Leaders

FUEL at the World Utilities Congress empowers the next generation of professionals by bridging the gap between emerging talent and real-world opportunities. Engaging high school and university students, as well as recent graduates, FUEL provides career insights, technical training, and direct access to industry leaders shaping the future of energy, water, and sustainability.

Through interactive panel discussions, mentorship sessions, and hands-on workshops, participants gain exposure to various career paths while developing essential skills in energy efficiency, grid modernisation, and advanced utility technologies.

Networking sessions further connect them with policymakers, executives, and innovators, fostering meaningful relationships that accelerate their careers and contributions to the industry.



Youth Engagement



Graduate Programmes



Emiratisation Support



Interactive Agenda

PLAN YOUR PARTICIPATION AT WORLD UTILITIES CONGRESS 2025

27 - 29 MAY 2025

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Yas Creative Hub, Yas Island
Tower 4, Level 6
Office C40-L06-10
United Arab Emirates

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Northcliffe House
2 Derry Street
W8 5TT
United Kingdom

Singapore

63 Robinson Road
#08-01, Afro Asia
068894
Singapore

Calgary

#1510 140 10th Ave SE
Alberta
T2G 0R1
Canada

Riyadh

Office 502, Al Madar Building
Ad Diyar Street, Al Ulaya District
ZIP Code 12611
Saudi Arabia

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Building P6, Floor 5, Office #503
Cairo Festival City, Podium 1
New Cairo
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Regus Suburb Centres, Level 4
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400059, Maharashtra, India

Doha

Office 706, 7th Floor
Palm Tower B
West Bay
Qatar

Jeddah

Office 408, Sakura Plaza
Al Madinah, Al Munawarah Road
As Salamah District
Saudi Arabia

Lagos

3rd Floor, Mulliner Towers
Alfred Rewane Road
Ikoyi
Nigeria

Cape Town

31 Bell Crescent
Westlake Business Park
Tokai, 7966
South Africa