

أسبوع المياه الذكية نحو مرافق مياه ذكية ورشيقة

Towards Smart & Agile Water Utilities | نحو مرافق مياه ذكية ورشيقة

أسبوع المياه العربي السادس | 6TH ARAB WATER WEEK
٥ - ٩ آذار ٢٠٢٣ | 5TH - 9TH MARCH 2023
عمّان - الأردن - فندق سانت ريجيس | THE ST. REGIS HOTEL AMMAN - JORDAN

06th Arab Water Week



أسبوع المياه العربي السادس

T O W A R D S SMART & AGILE WATER UTILITIES نحو مرافق مياه ذكية ورشيقة

ORGANIZED BY



Ministry of Water
and Irrigation



www.arabwaterweek.com



AWW THEMES AND TOPICS

* Digitization at Water and Wastewater Utilities:

- Management Information Systems (MIS) and Enterprise Resource Planning (ERP).
- Water Information Systems (WIS).
- Laboratory Management System (LMS).
- Supply Chain, Procurement and Inventory System.
- Asset Management System.
- SCADA System as a tool for operating and monitoring.
- GIS Application as a tool for network system maintenance and customer service.
- Adopting Cost centers and HR & payroll System.
- Integration of Customer Information System (CIS), GIS, Billing, ERP and Asset Management System.
- Smart Solutions in Managing Utilities:
 - Call Centers
 - Mobile Applications
 - Smart Solutions in Managing Cities

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UNITED ARAB EMIRATES



YEMEN



TUNISIA



AWW THEMES AND TOPICS

* Governance, Policies and tools in Water Management:

- National Water Master Plan.
- WEAP-MODFLOW as a Decision Support System (DSS) for Integrated Water Resources Management (IWRM).
- Water Allocation.
- Water Accounting.
- Water Budget.
- Water Demand Management (Developing Policies for Different Uses of Water).
- Financing and Investment Options.
- Projects Management.
- Legislations, Standards and Institutional Reform.
- Regulatory, Benchmarking and Key Performance Indicator (KPI).
- Management of Public Private Partnership (PPP):
 - Performance Based Contracts
 - BOTs Contracts
 - Management Contracts
 - Improving environment and legislation to encourage PPPs

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IRAQ



ALGERIA



LIBYA



AWW THEMES AND TOPICS

* Water Systems:

- Water Safety Plan (WSP).
- Water Quality and Laboratory Management.
- Governance for Groundwater Management.
- Water Scarcity Management.
- Non-Revenue Water (NRW).
- Desalination Technology.

* Sanitation Systems:

- Sanitation Safety Plan (SSP).
- Treated Wastewater and Grey Water uses:
 - Reuse in agriculture.
 - Reuse in Artificial Recharge.
- Industrial Wastewater Management and Monitoring.
- Residual Pharmaceutical Industry in Wastewater System.
- Sludge Treatment and Reuse.
- Wastewater Quality and Laboratory Management.
- Governance, Legislations and Policies in Wastewater Management and Reuse.

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LEBANON



KUWAIT



BAHRAIN



AWW THEMES AND TOPICS

* Strategic Planning and Financial Modalities in Water Utility:

- Improving Efficiency towards Cost Recovery.
- Financial Strategies towards Sustainability.
- Generating Revenue through Tariffs Restructuring (Water for Poor).
- Resilience Building, Risk Informed Programming and Emergency Preparedness.

* Utilities towards Excellence:

- Utility toward Future.
- Aqua Rating for Utilities (International standard for the evaluation and improvement of water and wastewater utilities).
- Utility Assessment according to International Excellence Program.
 - European Framework for Quality Management (EFQM).
 - Global Star Rating (GSR).
 - Government Excellence Program (GEM).
- Technical Sustainable Management (TSM) for Water and Wastewater Facilities.

* Climate Change:

- Climate Change Adaptation and Mitigation.
- Impact on Water Resources and Environment.
- Impact on Coastal Cities and Utilities.
- Impact on Food Security.



OMAN



SYRIA



QATAR



AWW THEMES AND TOPICS

* Water, Energy, Environment and Food (WEEF) Nexus:

- Energy Efficiency, Bio Energy and Renewable Energy.
- Water, Energy, Environment and Food (WEEF) Nexus.

* Knowledge Transfer for Utilities through:

- Capacity Building.
- Twinning and Match Making.

* Water Diplomacy (Shared and Transboundary Water Resources)

* Gender Mainstreaming in Managing Integrated Water Resources

* Integrated Water Resources Management (IWRM)

* Towards achieving SDG 6

* Managing Water Utilities through Crisis:

- Energy Consumption.
- Emergency Water Supply.
- Managing Cash-flow in Crisis.
- Managing Refugee Camps and Hosting Neighboring Communities.
- WASH towards Sustainability.
- COVID-19 Impact on the Water Sector.



MURITANIA



SUDAN



PALESTINE



2ND TRENCHLESS ARABIA CONFERENCE & EXHIBITION IN CONJUNCTION WITH 6TH ARAB WATER WEEK

Trenchless Arabia is an international conference and exhibition promoting condition assessment (CCTV inspection and leak detection), Ground Penetrating Radar (GPR), Cured in Place Pipe (CIPP) Lining, Close-Fit Slip Lining, Horizontal Directional Drilling (HDD), Pipe Jacking, Pipe Bursting, Auger Boring, Microtunneling and several other trenchless techniques.

Rehabilitation or new installation of underground network is possible with trenchless techniques which bring crucial advantages such as minimum surface excavation and less infrastructure damage.

More than 500 participants from the Arab Region and worldwide will have the opportunity to exchange the knowledge, new solutions and best practices with the international experts, companies and universities.



KINGDOM OF SAUDI ARABIA



EGYPT



MOROCCO

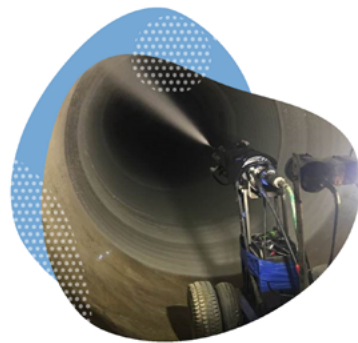
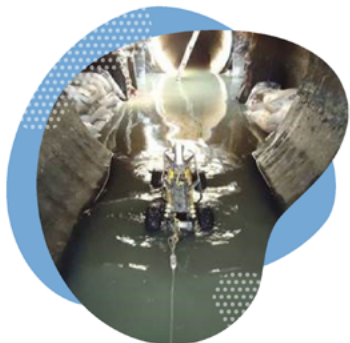


2ND TRENCHLESS ARABIA CONFERENCE & EXHIBITION

ABSTRACT TOPICS

- Asset Management and Work Planning.
- Associated Technologies, Techniques and Equipment.
- Costs and Environmental Issues.
- Horizontal Directional Drilling.
- Microtunneling and Pipe Jacking.
- Pipe Ramming and Impact Mole.
- Auger Boring and Pilot Tube Microtunneling.
- Local Repairs and Grouting.
- Manhole Rehabilitation.
- Cured in Place Pipeliners.
- Spray-on Linings and Coatings.
- Spiral Wound Linings.
- Close-Fit Linings.
- Slip Linings (Loose Fit).
- Pipe Bursting and Splitting.
- Site Survey and Preparation.
- Testing & Assessments.

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AMMAN ATTRACTIONS

Whether you are traveling to Jordan to explore the ruins of Petra or go glamping in Wadi Rum, don't overlook the charming city of Amman.

The hilly capital of Jordan boasts countless attractions and places to visit that connect tourists with the local culture and get them excited for what else the country has to offer.

It's an underrated destination worth at least a few days in your itinerary. No matter what drove you to come to Jordan, you can get a taste of it in Amman.

Looking to play amateur archaeologist? Visiting the Amman Citadel and the Roman Theater will feel like traveling back in time.

Interested in getting immersed in Jordanian culture? Amman's many art galleries and museums have you covered, and the people-watching on Rainbow Street can't be beat.

Eager to discover Middle Eastern wellness? Before visiting the Dead Sea, book a treatment at one of Amman's celebrated spas. Plus, the city makes an easy jumping-off point for day trips to other attractions around Jordan.



AMMAN CITADEL



DOWNTOWN



ROMAN THEATER



REASONS FOR ATTENDING

FIVE REASONS FOR ATTENDING ARAB WATER WEEK 2023:

- 01 Opportunities**
Opportunity to meet Ministers, Utility Leaders and Private sectors.
- 02 Sharing Knowledge**
More than 500 Local, Regional and International experts.
- 03 Thematic sessions**
Thematic sessions organized by international organizations.
- 04 Business**
Explore business opportunities in the Arab region.
- 05 PARTNERSHIPS**
More than 35 Regional and International exhibitors.

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