

1st Bahrain-German Water Partnership Days

Discover opportunities at the 1st Bahrain-German Water Partnership Days on December 11 & 12, 2023, in Manama. Forge international partnerships and create direct business relationships for a technologically advanced and sustainable future in the water sector. Join a series of events where German water industry experts collaborate with international leaders to tailor solutions for the global water industry. In addition to high-ranking politicians and keynote speeches highlighting the region's demands and potentials, thematic sessions will cover water resources and supply, municipal wastewater treatment, wastewater recycling, sludge and organic water, and green hydrogen.

Day 1

Monday, 11 December 2023

Gulf Hotel Manama, Bahrain

08:30	Registration
09:00	Welcome and Introduction: Official opening words <ul style="list-style-type: none">- HE., The Minister of Works Ebrahim Bin Hasan Al Hawaj, Ministry of Works (MOW), tbc
09:45	Keynote Speeches: Demands, potentials and projects in the water sector Saudi-Arabia and the NEOM project, Bahrain, and Qatar
10:45	Coffee Break & Networking
11:30	Session 1: Water resources & supply
	Desalination – challenges and innovations <ul style="list-style-type: none">- Mathias Stief, PWT Wasser- und Abwassertechnik GmbH
	Environmental challenges of desalination in the gulf region <ul style="list-style-type: none">- Prof. Imen Saadaoui, Qatar University
	Brackish Water desalination for irrigation <ul style="list-style-type: none">- Dr. Joachim Koschikowski, Fraunhofer ISE Freiburg
	Decentralized solar driven desalination <ul style="list-style-type: none">- Isidro Oviedo, Delta Umwelt & Dr. Johannes Wellmann TU Berlin
	Pipeline Leak Detection Systems for water distribution lines - Advanced Technology <ul style="list-style-type: none">- Ashok Masand, KROHNE Messtechnik GmbH
	Green Data: Open AreaSeals & Open geoGRIM, standards for sustainability and efficiency <ul style="list-style-type: none">- Prof. Dr. Roman Brylka, The Green Bridge Ingenieuresellschaft mbH



German Water
Partnership

1st Bahrain-German Water Partnership Days

	Innovative Aquifers Governance for resilient water management and sustainable ecosystems in stressed mediterranean agricultural areas <ul style="list-style-type: none">- Maroua Oueslati, EMWIS, France
13:15	Lunch Break & Networking
14:15	Session 2: Municipal wastewater treatment
	Experiences and challenges in the GCC region
	Vacuum sanitation technologies and sewer systems for efficient disposal <ul style="list-style-type: none">- Junija Brandt, Roediger Vacuum GmbH
	Smart and Sustainable Aeration Solutions <ul style="list-style-type: none">- Martin Gräsl, RUDOLF MESSNER UMWELTECHNIK AG
	International reference WWTP Roskow: Reconstruction of a WWTP with 70 % total energy cost reduction <ul style="list-style-type: none">- Markus Leidinger, Aerzener Maschinenfabrik
	Intelligent aeration control for lowest energy costs to meet local effluent requirements <ul style="list-style-type: none">- Maher Al Hammoud, Binder GmbH
	Situational Awareness – Interoperability and Holistic Decision Making via the IoT <ul style="list-style-type: none">- Alexandra Ervenich, Mitsubishi Electric Europe B.V.
	Potentials for digital twins in wastewater treatment <ul style="list-style-type: none">- Hubertus Schrage, p2mberlin GmbH
16:00	Coffee Break & Networking
16:15	Matchmaking
	Matchmaking <ul style="list-style-type: none">- Pitch introduction (1 min.) German Companies followed by individual business talks
17:30	Closing



1st Bahrain-German Water Partnership Days

Tuesday, 12 December 2023

Gulf Hotel Manama Bahrain

08:30	Registration
09:00	Welcome and Introduction: Official opening words
	Wrap-Up of 1st Day Mathias Stief & Annette Ellmers, Regional Forum - German Water Partnership
	Energy Savings with modern trafficking filter technology - Juan Carlos Demmerle, Brentwood Enexio Water Technologies GmbH
	Solutions for odor removal in wastewater treatment - Milad Dehghani, Tholander Abluftechnik GmbH
	High performance digestors for sludge and organic waste utilization – experiences and examples - Dr. Soo-Myung Kim, Technocon GmbH
10:15	Coffee Break & Networking
11:00	Session 3: Wastewater recycling
	Regional challenges in wastewater recycling
	Wastewater Reuse Opportunities - Annette Ellmers, p2mberlin GmbH
	Membrane based processes for wastewater recycling/water reuse - Olaf Riedel, MANN+HUMMEL Water & Fluid Solutions GmbH
	Tertiary treatment in GCC countries with filtrations from Nordic Water - Andreas Sack, Nordic Water GmbH
	Industrial water management and ZLD - Prof. Dr. Sven Geissen, TU Berlin
	Examples for industrial wastewater recycling - Mathias Stief, PWT Wasser- und Abwassertechnik GmbH
12:45	Lunch Break & Networking
14:00	Matchmaking



German Water
Partnership

1st Bahrain-German Water Partnership Days

Matchmaking

- Pitch introduction (1 min.) German Companies followed by individual business talks

15:30

Coffee Break & Networking

16:00

Session 5: H₂

Water as raw material for the Hydrogen production

- Dr. Florencia Saravia, DVGW Research Center at Engler-Bunte-Institut of Karlsruhe Institute of Technology (KIT)

H₂ production, distribution, and utilization in the steel industry

- Nils Harste, SHS - Stahl-Holding-Saar GmbH & Co. KGaA

High-temperature electrolysis as a key step of energy transition in industry

- Dr.-Ing. Erik Reichelt, Fraunhofer-Institut

Innovative H₂ production by plasma technology

- Dr. Jens Hanke, Graforce GmbH

Experiences in H₂-electrolysis

- Dougal McArthur, Thyssenkrupp Nucera AG & Co. KGaA

17:15

Conclusions



1st Bahrain-German Water Partnership Days

Partners:



AERZEN



BINDERGROUP
MEASUREMENT & CONTROL



**MITSUBISHI
ELECTRIC**

Changes for the Better



**MANN+
HUMMEL**



NORDIC WATER

p2mberlin



THOLANDER
Environmental Engineering

BRENTWOOD



Roediger



Delegation der Deutschen Wirtschaft
für Saudi-Arabien, Bahrain und Jemen
German-Saudi Arabian Liaison Office
for Economic Affairs (GESALO)
مكتب الإتصال الألماني السعودي للشؤون الاقتصادية



**German Water
Partnership**