



President of the  
Council of Ministers

Under the Patronage of H.E. the Prime Minister  
**Dr. Mostafa Madbouly**



**INTERNATIONAL  
WATER WASTE  
INFRASTRUCTURE**

The Regional Water Desalination Conference (ARWADEx)  
**In Partnership with**  
The International Water Waste Infrastructure (IWWI)

# TENTATIVE PROGRAM

**10-12 December 2024**

NEW CAIRO | EIEC-Egypt International Exhibition Center



## WATERS FOR TOMORROW

[www.arwadex.net](http://www.arwadex.net)     /arwadex

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# Day 01

**10 DECEMBER 2024**

# Day 01: Tuesday 10 December 2024

## Session 01: Sustainable Water Management: Reducing Non-Revenue Water with Low Carbon Footprint Trenchless Technology

09:30 – 10:30

### Chairman

#### Dr. Maha Khallaf

Project Manager, GIZ, Egypt

#### Dr. Klaus Beyer

CEO, German Society for Trenchless Technology e. V (GSTT), Former CEO of Berliner

#### Mr. Pascal Gruner

SebaKMT GmbH, Germany

#### Eng. Sherif Morsi

Technical Advisor, GIZ, Egypt

#### Mr. Christian van Boxtel

Festo DMCC, Dubai, UAE

## Coffee Break

10:30 – 10:45

## Session 02: Water & Desalination Safety Plans: A Novel Approach to Secure Water Quality & Plant's Performance

10:45 – 11:45

### Chairman

#### Dr. Mahmoud Mehany

Chairman: Dr. Mahmoud Mehany, Director of Water and Sanitation Safety Plan The Holding Company for Water and Wastewater (HCWW), Egypt

#### Dr. Mahmoud Hussein

General Manager of Quality and Environmental Affairs, Holding Company for Water and Wastewater (HCWW), Egypt

#### Dr. Ahmed Gamal

Manager of Environmental Affairs, The Holding Company for Water and Wastewater (HCWW), Egypt

#### Dr. Nashwa Khattab

Head of sanitation safety Department, Greater Cairo Sanitation Co, Egypt

## Pre-Opening Ceremony

11:45 – 12:00

# Day 01: Tuesday 10 December 2024

Exhibition Opening

11:00

Opening Ceremony

12:00 – 12:30

**High Level Panel: Challenges and Opportunities in Investment within Egypt's Water and Desalination Sector**

12:30 – 13:30

## **Moderator**

**Dr. Mohammad Al-fouzan**

Chairman of the ARWADEX Association

## **Prof. Dr. Sayed Ismail**

Deputy Minister of Ministry of Housing, Utilities & Urban Communities, Egypt

## **Dr. Ayman Ayad**

Water and Social Infrastructure Programme Manager  
European Union Delegation to Egypt (EU), Egypt

## **Mr. Felix Meyer-Horn**

President Corporate Affairs, Aerzen Worldwide, Germany

## **Mr. Guido Battista**

Head of Representative Office Cairo, Cooperazione Internazionale allo Sviluppo, Italy

## **Mr. Constantin von Moltke**

Director Syndications & Agency, African Export-Import Bank (AFREXIM), Egypt

## **Mrs. Radmila Labus**

BVMW Association Germany, Representative for Egypt, EU Funding Expert for SMEs

Lunch

13:30 – 14:30



# Day 02

**11 DECEMBER 2024**

# Day 02: Wednesday 11 December 2024

## Panel 01: Innovating for the Future: Insights on Water Desalination and Management in Egypt within a Global Context

09:30 – 11:00

- Water Desalination and Reuse in Egypt
- Water Save & Management Projects by the Private Sector

### Moderator

#### Prof. Dr. Rifaat Abdel Wahaab

IWWI & Arwadex Conference/ Exhibition Coordinator, HCWW, Egypt

#### Gen. Eng. Assem Shoker

Vice Chairman, the Holding Company for Water and Waste Water (HCWW), Egypt

#### Dr. Mohamed Haikal

Consultant, Orascom Construction, Egypt

#### Eng. Mr. Hussam Elbassyoni

Director of Technical Affairs , Elsewedy Electric Infra Structure, Egypt

#### Dr. Esben Ringen

CEO, Oceanic Energy LLC, Norway

### Coffee Break

11:00 – 11:15

## Panel 02: Nationalization of Water & Desalination Industry

11:15 – 12:35

- Domestic Manufacturing: Encouraging local production of equipment and technological advancements within the country.
- Standardization: A nationalized industry to establish uniform standards for water & desalination equipments.

### Moderator

#### H.E. Prof. Dr. Abdelkawi Khalifa

Former Minister of Water and Wastewater Utilities, Egypt

#### Prof. Ahmed Moawad

CEO, Nova Industry, Egypt

#### Eng. Emad El Sweedy

CEO, El Sweedy Electrometer, Egypt

#### Prof. Mohamed Antar

Professor and Chairman, ME- King Fahd University of Petroleum & Minerals (KFUPM), KSA

#### Eng. Mohamed Ewida

TMG Group, Egypt

#### Eng. Hassanain Elmamlouk

General Manager, IETOS, Egypt

#### Mr. Felix Meyer-Horn

President Corporate Affairs, Aerzen Worldwide, Germany

#### Dr. Esben Ringen

CEO, Oceanic Energy LLC, Norway

### Coffee Break

12:35 – 13:00

# Day 02: Wednesday 11 December 2024

## Panel 03: Sustainable Management of Non-Conventional Water Resources in MENA

13:00 – 14:30

- NCWR Utilization under scarcity conditions
- Desalination: An option for Irrigation?

### Moderator

#### H.E. Dr. Hessain Elatfy

Secretary General of Arab Water Council (AWC), Former Minister of MWRI, Egypt

### Keynote Speech

#### H.E. Dr. Mahmoud Abu Zeid

President of Arab Water Council (AWC), Former Minister of MWRI, Egypt

#### Dr. Khaled Abo Zaid

Senior Director for Water Resources, CEDARE, Egypt

#### Prof. Mohamed Safwat Eid

Emeritus Professor, National Water Research Center (NWRC), Egypt

#### Dr. Esben Ringen

CEO, Oceanic Energy LLC, Norway

#### Dr. Muneer Baata

Academic Researcher, Desalination Technology Institute, King Abdulaziz City for Science and Technology (KACST), KSA

#### Dr. Martin Wagner

Darmstadt University of Technology, Institute IWAR, Department of Wastewater Technology Germany

#### Mr. Martin Gräsl

CEO, Rudolf Messner Umwelttechnik GmbH (RMU), Germany

## Lunch

14:30 – 15:30

## 2 Parallel Open Sessions

15:30 – 17:00

### Innovation & Digital Transformation in Water & Desalination

#### Chairman

#### Dr. Hassan Aboelnga

Coordinator of iWater Program, Cologne University, Germany

#### Prof. Lars Ribbe

FSDIS, Cologne University, Germany

#### Prof. Isam Aljundi

Professor, King Fahd University of Petroleum & Minerals, KSA

#### Dr. Martin Wagner

Darmstadt University of Technology, Institute IWAR, Department of Wastewater Technology, Germany

#### Prof. Sherif El-Badwy

Professor, Faculty of Engineering Mansoura University, Egypt

### Small Scale Sanitation & Industrial Pollution Control

#### Chairman

#### Prof. Dr. Rifaat Abdel Wahaab

The Holding Company for Water and Wastewater (HCWW), Egypt

#### Dr. Norbert Müller-Blanke

CEO, TIA GmbH, Germany

#### Prof. Dr. Inas Abo Taleb

NRC, Egypt

#### Mr. Martin Gräsl

CEO, Rudolf Messner Umwelttechnik GmbH (RMU), Germany

#### Dr. Mamdouh Rozik

The Holding Company for Water and Wastewater (HCWW), Egypt





# Day 03

**12 DECEMBER 2024**

# Day 03: Thursday 12 December 2024

## Panel 04: Effective Frameworks for Desalination: Private Sector Management and Innovative DBO Approaches

09:30 – 11:00

- Institutional Framework of the Desalination Sector: Global Success Stories
- Design-Build-Operate (DBO) Packages for Desalination Projects

### Moderator

#### **H.E. Dr. Mohamed Abdelaty**

Former Minister of MWRI, Egypt

#### **Mr. Atter Hannoura**

Director, PPP Unit, Ministry of Finance, Egypt

#### **Eng. Naif Alarifi**

Chief Project Delivery Officer, Saudi Water Partnership Company (SWPC), KSA

#### **Dr. Karl G. Leutschaf**

CEO, M Consult GmbH, Germany

#### **Dr. Esben Ringen**

CEO, Oceanic Energy LLC, Norway

### Coffee Break

11:00 – 11:15

## Panel 05: Sustainable Desalination: Renewable Energy and Green Technologies

11:15 – 12:35

- Application of Alternative Renewable Energy in the Desalination Sector
- Green Desalination Technologies and Brine Management

### Moderator

#### **Mr. Jean-Antoine Faby**

President, AgroParisTech, France

#### **Dr. Ahmed Abdelkarim**

Director & CTO, Watercycle Technologies, United Kingdom

#### **Dr. Esben Ringen**

CEO, Oceanic Energy LLC, Norway

### Coffee Break

12:35 – 13:00

# Day 03: Thursday 12 December 2024

## Panel 06: Municipal Sludge Applications in Egypt

13:00 – 14:30

- Sustainable Sludge Management and Resource Utilization: Egypt Vision
- Challenges Related to Public Perception and Regulatory Frameworks

### Moderator

#### **Dr. Rania Salahelddin**

Director, Specialist Engineering Consulting, Egypt

#### **Eng. Abdel Wahab Helmy**

Yellow Mountain Project Manager, The Construction Authority for Potable Water and Wastewater (CAPW), Egypt

#### **Dr. Karl G. Leutschaft**

CEO, M Consult GmbH, Germany

#### **Eng. Ahmed Elnezmy**

Alex Sanitation Co., Egypt

## CLOSING PANEL

14:30 – 15:30

#### **Dr. Zohair Al-Sarraj**

President of the ARWADEX Conference

#### **Dr. Mohammad Alfouzan**

Chairman of the ARWADEX Association

#### **Prof. Dr. Rifaat Abdel Wahaab**

Head of the Joint Committee for the HCWW, IWWI & Arwadex Conference/Exhibition Coordinator

#### **Mr. Frank Hofmann**

CEO of Expotec International GmbH

#### **Radmilla Labus**

BVMW Association Germany, Representative for Egypt, EU Funding Expert for SMEs

## LUNCH

15:30 – 16:00