

26-28 OCT
2022

INTERNATIONAL WATER . WASTE . ENERGY INFRASTRUCTURE

WATERS FOR TOMORROW

EGYPT , CAIRO
CAIRO INTERNATIONAL
CONFERENCE CENTER (CICC)



هيئة المجتمعات العمرانية الجديدة
New Urban Communities Authority



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INTERNATIONAL WATER, WASTE, ENERGY INFRASTRUCTURE



WATERS FOR TOMORROW

WWW.INTERNATIONAL-IWWW.COM

Conference & Exhibition-Themes

WATER & SANITATION

Government plans: approx. 50 billion US\$ investment in water sector by 2037, another 10 billion US\$ for the Rural Sanitation Services Program.

Priorities: (i) Desalination Industry: innovative technologies, brine management, success cases of PPP experiences & other private sector involvement scenarios; (ii) Wastewater Treatment Technologies: upscaling technologies for existing WWTPs, Small scale sanitation for rural villages, low cost sanitation technologies; (iii) Drinking Water Supply: innovative technologies for treatment & leak detection, water and sanitation safety plans, ground water treatment technologies; (iv) Industrial Wastewater Treatment Technologies for Water Recycling; (v) Flood-Early Warning System & rain water harvesting techniques; (vi) Artificial Intelligence through Smart Water & Sanitation Technologies; (vii) Agriculture Drainage Water Treatment for Reuse.

WASTE

Government plans: New waste management act effective, since February 2022. Produced Solid Waste per year in Egypt is about 95 to 100 million tons. Egypt has 28 recycling plants. This number is to be doubled in the next few years. Nine additional waste transfer stations and 20 new landfills are also planned.

Priorities: (i) Municipal Solid Waste Management: institutional setup, solid waste handling, technologies for converting solid waste to resources; (ii) Sludge to Resources (Technologies for biogas, incineration, energy, fertilization, .. etc.) (iii) Industrial and Hazardous Waste Management: innovative technologies for handling, treatment, and safe disposal.

INFRASTRUCTURE

Government plans: Egypt plans to build up to 14 new smart cities across the country including the Nile Delta.
Expansion of the new administrative capital east of Cairo with a population of about 6.5 million.
The government's top priority is to expand the infrastructure between and within the cities and to expand the rail networks, roads and ports for the expansion of industry including the Suez Canal Economic Zone.

Powering Water Sustainability with Smart Energy Solutions.

Government plans: Energy-efficient Pumping and Aeration: High-efficiency pumps and aeration systems reduce electrical energy use.
Smart Monitoring and sensor Control Real-time monitoring optimizes performance and saves energy.
Advanced Desalination and Water Treatment Efficient desalination and grey water systems lower electrical energy demand.
Leak Detection and Network Management Reduces water losses and the energy needed for pumping.
Environmental Innovations & Alternative Energy Clean and alternative energy, including solar, plus AI-based smart operation.

WATER & SANITATION

- 📍 Sewer Systems
- 📍 Leak Detection Technologies
- 📍 Laboratory Equipment
- 📍 Pumps
- 📍 Sanitary Fittings
- 📍 Wastewater Treatment Technologies
- 📍 Industrial Wastewater Treatment
- 📍 Valves and Fittings
- 📍 Desalination Industry
- 📍 Water Treatment Technologies
- 📍 Smart Tech. & Artificial intelligence

WASTE MANagements

- 📍 Municipal Solid Wastes
- 📍 Sludge Treatment Technologies
- 📍 Composting equipments
- 📍 Renewable Energies
- 📍 Road Cleaning
- 📍 Sanitary Facilities
- 📍 Thermal Technologies
- 📍 Soil Protection
- 📍 Special Transport Vehicles
- 📍 Treatment of Toxic Waste
- 📍 Waste Avoidance and Utilization
- 📍 Waste Disposal

Energy & INFRASTRUCTURE

- 📍 Communication Technology
- 📍 Energy Engineering
- 📍 Energy Generation
- 📍 Solar Energy Systems Application
- 📍 Solar Cells/Energy
- 📍 Information Technology
- 📍 Mobility Solutions
- 📍 Municipal Engineering
- 📍 Research and Development
- 📍 Sustainable Building
- 📍 Telecommunications
- 📍 Transport

Contact Details in Cairo:

expotec
for Events
TRADE FAIRS & CONFERENCES

expotec for Events LIC
191A Salah Salem Street, 2nd Floor
Cairo, Egypt
egypt@expotecgmbh.de

Mobile: + 20 11 24645309
+ 20 10 60805763

Contact Details in Berlin:

expotec
International
TRADE FAIRS & CONFERENCES

expotec international
GmbH & Co. KG
Am Borsigturm
13507 Berlin, Germany
mena@expotecgmbh.de
Phone: + 49 3022908072
Mobile: + 49 1732894657