

POST TRADE SHOW REPORT

THE 1ST EDITION OF EWWI

EGYPT WATER, WASTE &
INFRASTRUCTURE -

„EMPOWERING INNOVATIONS,,

CAIRO INTERNATIONAL CONGRESS CENTRE
27. - 29.11.2022



**WATER WASTE
INFRASTRUCTURE
EGYPT**

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FACTS & FIGURES



Egypt Water, Waste & Infrastructure (EWWI) 1st edition in 2022 under the slogan “Empowering Innovations” supported measures to boost the development of water economy in Egypt and sustainable growth. With the focus on private sector as a key partner in this context. EWWI aims to close the gap by offering a direct platform for doing business in Egypt in the promising sectors of water, waste & infrastructure by assisting companies to tap in this huge market potential and to accelerate their decision.

Here are the highlights of the 1st edition:

- The most important international & Egyptian bodies came together along with 75 exhibitors from 10 countries and 5000 carefully selected trade show visitors.
- The exhibition & Conference took place at Cairo International Congress Centre (CICC), Hall 04, 4660 sqm.
- The highlight of the fair was the state-of-art conference with the common theme **“Empowering Innovations -Key Take Aways of COP27 Translated into Local Agenda”** with the focus on private sector as a fast-track solution and key to success.
- Over the 3 days 49 speakers (international and local) discussed in 26 expert sessions and round tables the challenges and opportunities in the water industry, infrastructure and waste sector in Egypt and beyond, presented the latest technologies and discussed doable solutions.

EGYPTIAN SUPPORTER



The 1st edition of the Egypt Water, Waste & Infrastructure (EWWI) – Empowering Innovations was carried out under the patronages and enormous support by the following Egyptian Ministries, their affiliated authorities and the most important industry federations and associations:

- Ministry of Housing, Utilities & Infrastructure
- Ministry of Trade and Industry
- Ministry of Public Business Sector
- Ministry of Environment
- Federation of Egyptian Industries (FEI)
- Micro, Small & Medium Enterprise Development Agency (MSMDA)
- Holding Company for Water & Wastewater (HCWW)
- Cairo Water Company
- National Authority of Portable Water and Sewage (NOPWASD)
- The Egyptian Armed Forces Engineering Authority - Water Sector Department
- Executive Agency of Drinking Water and Wastewater
- Holding Company for Construction & Development
- Egyptian Environmental Affairs Authority
- Waste Management Regulatory Authority

INTERNATIONAL PARTNER



The 1st edition of the Egypt Water, Waste & Infrastructure (EWWI) – Empowering Innovations was supported by following international associations and partner:

- VDMA- The largest European Federation for the Machinery Construction Industry
- GSTT- German Society for Trenchless Technology
- GWP- German Water Partnership e.V.
- BVMW- The German Federal Association of Small and Medium-Sized Enterprises (SMEs).
- German RETech Partnership e.V.- Recycling and Waste Management Association
- AUMA- Association of the German Trade Fair Industry
- GIZ- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
- AHK German-Arab Chamber of Industry & Commerce
- The German Embassy in Cairo
- Austrian Embassy- Advantage Austria - The Trade Promotion Agency
- JETRO- The Japan External Trade Organization
- JICA Egypt- Japan International Cooperation Agency
- ACWUA - Arab Countries Water Utilities Association

THE SECTORS NOMENCLATURE



Product categories

Water

- Drainage
- Drilling Technology
- Environment
- Installation Material
- Jointing Equipment
- Laboratory Equipment
- Pumps
- Sewage Water Technology
- Tubes
- Valves and Fittings
- Water Extraction
- Water Supply
- Water Technology
- Water Treatment

Waste

- Air Purification
- Landscape Preservation
- Recycling
- Renewable Energies
- Road Cleaning
- Sanitary Facilities
- Sewer Systems
- Soil Protection
- Special Transport Vehicles
- Treatment of Toxic Waste
- Waste Avoidance and Utilization
- Waste Composting Installations
- Waste Disposal
- Waste Plants and Containers

Infrastructure

- City Planning
- Communication Technology
- Energy Engineering
- Energy Generation
- Environment Protection
- Green Spaces
- Information Technology
- Mobility Solutions
- Municipal Engineering
- Research and Development
- Sustainable Building
- Telecommunications
- Transport
- Urban Design

ABOUT THE EGYPTIAN MARKET



Water Sector

Water sector development is further one of the top priorities for the Government of Egypt for two main reasons:

- High annual population growth (2.5%) is putting pressure on existing water supply.
- Lack of control of water supply sources (about 97% originates from outside Egypt's borders) making the supply highly vulnerable and sensitive to any uncoordinated upstream developments, especially after the establishment of the Grand Ethiopian Renaissance Dam (GERD).
- Egypt, with available water resources of 610 m³ per capita as of 2019, is among the countries that fall below UN's water poverty line (estimated at 1,000 m³ per capita). Egypt also suffers from a large food-production deficiency, forcing it to import about 55 percent of its current food needs. This figure is expected to climb to 75 percent after the GERD is complete because of the huge quantity of water held back during the filling of the GERD's reservoir, which has an estimated capacity of 74 billion m³ of water. That would cut 25 to 33 billion m³ from Egypt's annual quota of Nile water which, in turn, could yield a loss of about 2 million acres of cultivable land. Egypt is keen to stimulate "green" private-sector investment.

Promising sectors are:

- Reusage of drainage water and treated wastewater.
- Desalination of sea water as an alternative for drinking and agriculture.
- Drilling Water Wells.
- Construction of water condensers next to severe evaporation sites at coasts and cultivated lands.

ABOUT THE EGYPTIAN MARKET



Nature Conservation and Water Supply

About 85% of Egypt's water resources are used for agricultural irrigation systems, which are characterized by high levels of water losses and low efficiency. The National Water Resources Strategy 2017-2037, which is intended to address Egypt's water-related challenges over the next 20 years, is expected to cost 900 billion EGP (about 55 billion USD).

According to the Ministry of Water Resources & Irrigation, the national strategy has four pillars:

- Develop water resources (Desalination and Recycling)
- Enhance water quality.
- Rationalize water use.
- Create an enabling environment.

Wastewater Recycling

The amount of the wastewater produced in Egypt is about 16.4 billion m³ of which 4.4 billion m³ is domestic wastewater and 12 billion m³ agricultural wastewater. According to 2030 Strategic Vision of treated wastewater reuse, the Egyptian governorates are divided into two categories with different strategy to each category.

The first group includes governorates without agricultural expansion plans, which include: Monofia, Dakahlia, Kafr Elsheikh, Gharbia, Kalyoubia, Cairo, Alexandria, and Port Said.

The second group includes the governorates' future agricultural plans, which include: Giza, Behaira, Minia, Damietta, Sohag, Assuit, Sharkia, Qena, Suez, Fayoum, Beni Suef, Aswan, Ismailia, Luxor, Matrouh, Red Sea, New Valley.

ABOUT THE EGYPTIAN MARKET



Hazardous Waste Management

With more than 100 million inhabitants, Egypt is the most densely populated country in the Middle East and one of the highest populated countries in Africa. With 100 million tonnes of waste generated per year (including 20.7 million tonnes of municipal waste), the level of waste collection varies between 40 and 85 per cent in urban areas and between 0 and 35 per cent in rural areas.

- With the submission of the National Sustainability Strategy (Egypt Vision 2030), the New Waste Law (202/2020) and the updated Nationally Determined Contributions to Climate Change, the Egyptian Government has clearly defined its political priorities. These include the reform process to introduce a climate-sensitive waste-management system and the transformation into a circular economy.
- The 2019-2023 executive plan for solid waste recycling in Egypt consists of three main programs:
 - Attracting international investments to develop the infrastructure for trash sorting facilities in Cairo, Daqahliyah, Sharqeya, Fayoum, and Luxor.
 - Funding garbage collection and transportation contracts, street cleaning services, and management of safe landfills.
 - Institutional support for the development of a waste recycling system across the country, human capacity-building, awareness campaigns, and support for the informal sector and SMEs in the recycling sector.

EXPERTS' OPINIONS



Dr. Sayed Ismail, Deputy Minister of Housing and Infrastructure: *Egypt has to face many challenges on a daily basis, especially around the water and the whole infrastructure around the water and wastewater treatment. We can hardly cope with fast growing population to provide all the infrastructure. We need smart and affordable solutions and technology transfer. Egypt's business environment offers business opportunities in these important sectors for all- from small-scale microbusiness to huge mega projects.*

Captain Eng. Dieter Fehner, Hamburg Port Energy Logistic GmbH presented ground-breaking innovations in environmental protection and recycling: *„Recycling and Desalination on the Sea -an Industry with Future“.*

Ms. Radmila Labus, representative of the German SME association BVMW in Egypt, one of the Managing Directors and responsible for the conference program: *„We are proud that we were able to offer a content-rich conference program with outstanding industry local and international experts. We presented innovative technologies, discussed challenges and opportunities, and offered smart and sustainable solutions and approaches. The conference is meant to open the dialogue and more understanding for each other. One of the immediate conference results were matchmakings between the local and international partners. We want to build on these results in the future. Also, we want to bring together young Egyptian start-up companies with international investors.“*

EXPERTS' OPINIONS



Dr. Peter Riad, Water Sector Expert at German-Arab Chamber of Industry and Commerce (AHK Egypt): *the 1st edition of Egyptian Water, Waste and Infrastructure trade fair organized by EXPOTEC and 1st NODE in Cairo last November 2022 passed over all my expectations. It simply brought the German and European technologies in water and waste management sectors in one place. Moreover, the side conference was over amazing as it could cover very important practical and technical topics presented by the exhibitors, while the upcoming projects and the market needs were presented by Egyptian stakeholders and experts. I look forward to the coming editions with more exhibitors and higher traffics.*

To get an impression of the 1st edition and for more detailed information about the conference, media coverage and pictures, please follow the link:

www.drive.google.com/drive/folders/1glBSvDSSXxaBq4yFa9ePMdKeHAZeyiSi?usp=share_link

**SAVE
THE DATE
FOR THE 2ND EDITION!**



Why exhibit at Egypt Water, Waste & Infrastructure (EWWI)

- EWWI is an instrument and physical platform to encourage international companies to consider Egypt as future market and to attract foreign private investments to Egypt.
- Water, Waste & Infrastructure are thriving sectors and are growing rapidly hence offering excellent new business opportunities for both: Egyptian and international companies.
- Water is not only one of the most important resources of our time, but also source, carrier, and engine of sustainable development. Therefore, infrastructure and technologies around this future topic are not only topics of the fair, but also of the connected conference.
- Conference stage offers added value for the exhibitors by highlighting their expertise, product or service.

**EGYPT WATER, WASTE & INFRASTRUCTURE
“THE BLUE ECONOMY ROUND”**

01-03 OCTOBER 2023

**EGYPT INTERNATIONAL EXHIBITION CENTRE (EIEC)
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