

## **Metito completes the preliminary handover of the Port Said Seawater Desalination Plant**

- **With a capacity of 150,000 cubic meters/day, the project serves 1 mn people and will support the city's development**
- **The project was implemented by a consortium of Metito and Orascom**

**Cairo, June 6<sup>th</sup>, 2021** – Metito, the leading global provider of water and alternative energy management solutions, announced the handover of the 150,000 cubic meters/day seawater desalination plant in East Port Said to serve nearly one million citizens. The plant was developed by a consortium of Metito and Orascom at a total cost of US\$ 130 mn.

The Port Said Seawater Desalination Plant is built on an area of 79,000 square meters, including an area designated for future expansions. The project site was carefully selected to be in proximity to East Port Said City, which is slated to be the top beneficiary of the water produced. Metito has been keen to protect the environment and take sustainability into account, so the project was designed to consume the least amount of energy per cubic meter of produced water, which will positively affect the economics of operation and reduce the carbon footprint of the project by employing advanced methods to recover energy from wastewater (i.e., highly saline concentrated water).

The desalination process produces wastes that are mainly concentrated highly saline water that is disposed of in an environmentally safe manner through a complex chemical process. The water is treated with special acids to equalize the pH level of the wastewater and bring its salinity as close as possible to normal seawater to avoid impacting the marine life in the water drainage area.

Eng. Karim Madwar, Managing Director of Metito Africa for Integrated Water Management and Treatment Smart Solutions, commented that the preliminary delivery of the East Port Said Desalination Plant project saying that it is yet another step on a path of giant and pioneering projects implemented by Metito in water treatment and alternative energy.

“The completion of the project underscores Metito's potential in providing drinking water and implementing projects that take into account the environmental dimension. I hope the project would achieve maximum benefit for the residents of the surrounding areas, meet their drinking water needs, and be an effective part of the development projects that Egypt is looking forward to as a general approach,” he added.



The number of engineers, workers, and technicians working on the site differed according to each stage of construction and peaked at 200 people, in addition to the contractors, subcontractors, and advisory offices that participated in this monumental work.

Atef Abdel Gawad, Projects Director General at Metito Africa, said: “The new desalination plant includes an initial treatment of seawater, using dissolved air flotation (DAF) and then an Ultrafiltration process (UF). The water is then pumped through desalination membranes that operate using the reverse osmosis (RO) system, due to the nature of the seawater at the plant site and its containment of a lot of fine-grained suspended matter.”

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**About Metito:**

Metito is a global leader and provider of choice for total intelligent water management solutions with operations covering three business areas: design and build, specialty chemicals, and utilities. With over 60 years of experience, the Group provides customized, comprehensive and advanced solutions across the full spectrum of its industry; from clean to dirty water; desalination and re-use; industrial solutions (up to hyper pure water); investing into water and wastewater assets; and structuring both Greenfield and Brownfield schemes under project finance structures. The Group also provides custom alternative energy development and management solutions for utilities and corporations looking to uphold sustainable operations through generating clean, emissions-free energy.

Metito successfully developed and executed thousands of projects across the world earning it the trust of market leaders and a reputation for professional excellence. The Group was the first to introduce the reverse osmosis technology for desalination outside the USA in 1972 and the first to pioneer concession contracts with private entities under Build Own Transfer (BOT), Build Own Operate (BOO), and Build Own Operate Transfer (BOOT) schemes in the Middle East, and under Public Private Partnership (PPP) agreements for bulk surface water supply concessions in Sub Saharan Africa.

The Group is at the forefront of the water and wastewater industry with an impressive project portfolio that includes more than 3000 projects in more than 46 countries managed by over 3000 experienced and talented employees worldwide in strategically located operational offices.

For more information please visit [metito.com](https://www.metito.com)

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**About Water Action Platform:**

Water Action Platform provides a forum for the sharing of learning and best practice across the water sector. It was initiated in March 2020 in response to the COVID-19 pandemic but now covers a much wider range of water-related topics. Membership grew rapidly and, as of July 2020, it involves over 745 people from 395 organizations across 64 countries. The Water Action Platform has become an incredibly vibrant forum for organizations to share their experiences and learnings as well as a brilliant example of true collaboration and the sharing of best practice.

For more information, please visit <https://www.wateractionplatform.com>