

# Lantania will build Ras Mohaisen desalination plant in the Kingdom of Saudi Arabia

- ACWA Power selects Joint Venture of L&T and Lantania to carry out a project value close to \$500 million

**Madrid, March 13, 2025.** A Joint Venture of Lantania and L&T will design, procure, construct and commission the Ras Mohaisen desalination plant, located 300 kilometres south of Mecca, in the Western Province of Saudi Arabia. ACWA Power has selected the alliance formed by Lantania and Larsen & Toubro to develop a 300,000 m<sup>3</sup>/day desalination plant in Ras Mohaisen, on the Red Sea Coast, together with all the associated infrastructure and facilities. The value of this project is close to \$500 million.

Larsen & Toubro is a USD 27 billion Indian multinational conglomerate engaged in EPC Projects, Hi-Tech Manufacturing, and Services, operating across multiple geographies.

Notably, the project stands out for its significant storage capacity, as it includes the construction of four desalinated water tanks with a total capacity of 600,000 m<sup>3</sup>, which will allow the plant to have the equivalent of two days of operation in reserve. Additionally, a new 132/33 kV electrical substation with associated overhead transmission line and a 30 MW solar PV plant, enhancing the facility's sustainability, will be provided as part of project scope.

Lantania, together with L&T, is the turnkey contractor for the project, responsible for the design, procurement, construction, testing and commissioning of the pre-treatment, reverse osmosis process and post-treatment of the desalination plant. The works include the construction of intake and outfall system, pumping station, pre-treatment, reverse osmosis system with energy recovery, post-treatment, as well as all associated electrical and instrumentation installations.

The desalination plant will serve as a source of drinking water for the regions of Makkah Al-Mukarramah and Al-Baha, catering to approximately one million inhabitants.

## Lantania in Saudi Arabia

With this contract, Lantania strengthens its presence in Saudi Arabia. The company recently signed an agreement with NEOM for the construction of a biosolids treatment plant in Al Badaa. In 2023, the company completed construction of the Jubail 3A desalination plant, one of the largest reverse osmosis seawater desalination plants in the world, which generates 600,000 m<sup>3</sup>/day of drinking water. A facility that stands out for its efficient and sustainable design, achieving a world record for energy efficiency with consumption of less than 2.8 kWh m<sup>3</sup>/day using seawater from the Persian Gulf.

Lantania has also carried out the design, supply of equipment and commissioning of a wastewater treatment plant for the Red Sea project, which is developing a tourist city on the west coast of Saudi Arabia. The facility has the capacity to treat 16,000 m<sup>3</sup>/day of wastewater through a lagoon with a surface area of 46 hectares of artificial wetlands that guarantee an adequate amount of water for irrigation.

[www.lantania.com](http://www.lantania.com)





Lantania's water division is a global leader in the design, construction, operation and maintenance of desalination plants, offering innovative, efficient and sustainable solutions that resolve the scarcity of water resources in areas with deficits. Lantania Water has a multidisciplinary team with more than 15 years of experience that integrates advanced technologies into its work, such as low-consumption reverse osmosis membranes, energy recovery units and ring pressure centers, optimizing performance and reducing operating costs.

### **About Lantania Group**

The Lantania Group designs, builds and manages large transport, building, water and energy infrastructures. It develops sustainable solutions with the commitment to generate a positive impact in the communities in which it operates. It has a portfolio of works in progress of more than €1 billion and assets of more than 250 million euros. The Group is present in 13 countries, has a workforce of more than 1,200 employees and is made up of seven companies: Lantania, Lantania Aguas, Traviesas y Prefabricados de Aragón (Travypsa), DSV Constructora y Ferroviaria, Gestilar Construcciones, Balzola and Indania. The company applies the principles of the United Nations Global Compact in all its operations.

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