

Lantania Desalination

An aerial photograph of the Lantania Desalination plant. The facility consists of several large, light-colored industrial buildings with flat roofs. One prominent building has a blue-tinted roof. To the left of the main building, there is a cluster of large, white, cylindrical storage tanks. The plant is situated in a semi-arid environment with sparse vegetation and some agricultural fields visible in the foreground and background. A paved road and parking area are also visible.

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SWRO Jubail 3A

Under construction
Saudi Arabia

600,000

m³/d

24 RO racks:

25,000 m³/d each

Desalination plant that Lantania is currently constructing in Saudi Arabia. It is one of the largest sea water reverse osmosis plants in the world. Its innovative design has made it possible to optimise energy consumption and investment costs.



SWRO Moncofa & Auxiliar Facilities

Spain

30,000

m³/d

3 RO racks:

10,000 m³/d each

Desalination plant constructed and operated by Lantania to provide a solution to the growing water demand for the coastal area of the Plana Baixa region in Castellon. Designed for a future expansion up to 60,000 m³/d, the plant serves to supply water for human consumption and irrigation purposes.



SWRO Piedra Santa complex

Spain

15,000

m³/d

2 RO racks:

7,500 m³/d each

This desalination plant, built for the City Council of Las Palmas de Gran Canaria, is the island's main source of water supply. It includes seawater intake, a pumping station, pretreatment based on multi-media pressure and cartridge filters, and a reverse osmosis system.



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Water

Desalination plants
Industrial water treatment plants
Water treatment plants
Hydraulic projects

Infrastructure

Road infrastructure
Railway infrastructure
Rail sleepers factory
Ports and maritime works
Urbanisation projects

Energy

Renewable generation
Transmission and distribution
Railway electrification
Electrical works on ships and off-shore

Buildings

Industrial and service buildings
Residential buildings
Hospitals
Sports centres
Parking

Facility services

Urban services
Building maintenance

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water

More than 25 years working in the water sector

Design, construction, operation and maintenance of desalination, water and sewage treatment plants.

Desalination

Commissioned +
Under construction

+645,000

m³/d

Wastewater treatment

+450,000

m³/d

Water distribution

1,000

km

Drinking water treatment

+600,000

m³/d

Industrial water

+ 200,000

m³/d

Water for

+ 6,000,000

people



Lantania Desalination

Our activity is focused on the engineering, procurement, construction, operation and maintenance of desalination plants worldwide.

Lantania Desalination was created to add value to clients

Our knowledge of the desalination market and business, together with our multidisciplinary international position, allow us to tackle large projects and provide efficient and competitive solutions.

Lantania has a multidisciplinary team specialised in desalination, with an average experience of over 15 years. It integrates the latest technological advances into its designs in all phases of the process, such as low-consumption reverse osmosis membranes, the latest generation of energy recovery, Pressure Centre Ring designs, the recovery of brine currently discharged into the sea, or the hybridisation with renewable energy plants, which allow us to offer the most optimal and efficient solutions to our clients.



Mission

We make large water desalination plants a reality, providing effective solutions based on innovative technologies, building a cleaner and more sustainable world and generating value for our clients, employees and shareholders.



Vision

To be a key player in the desalination sector, helping our clients in the development of sustainable projects, through the use of advanced technologies, innovation, and high standard of Safety and Quality.

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