

Lantania to build biosolids treatment facility in NEOM (Saudi Arabia)

—● Company participates in the contract award ceremony

Madrid, 23 September 2024. Lantania has been awarded the contract for the construction of a biosolids treatment complex in NEOM, located in northwest Saudi Arabia. The infrastructure, water and energy group has signed a turnkey (EPC) contract for the design, construction and commissioning of a biosolids treatment plant, innovation centre and demonstration centre.

At the contract award ceremony held in NEOM, Gavin van Tonder, Managing Director of NEOM Water, welcomed Lantania's Water Chief Executive Officer Pedro Almagro, Water Bid Director David Garzón, Project Director Ziad Germani, Middle East General Manager Michael Wafaa, Tawzea's Chief Executive Officer Mohammed Halawani and Business Development Director Paulo Resede.

In a joint venture with the Saudi company Tawzea, Lantania will develop a facility will use a Sequential Biological Reactor (SBR) for water treatment and solar drying to treat sludge from a nearby wastewater recycling plant.

The innovation centre will serve to test new wastewater and biosolids treatment and recovery technologies and will be equipped with four test benches, two laboratories and additional space to accommodate testing of other technologies as they are developed.

An architecturally-designed biosolids demonstration centre will house a visitor centre with exhibition space, reception and viewing areas, test zones, a greenhouse, laboratories and support facilities.

NEOM project will be Lantania's third in Saudi Arabia

As part of the Al-Badua Water Recycling Plant upgrade, the NEOM biosolids complex will be Lantania's third foray into Saudi Arabia. Last year, the company completed construction of the Jubail 3 A desalination plant – one of the world's largest reverse osmosis seawater desalination plants – which generates 600,000 m³/day of drinking water to serve 1,600,000 residents of Eastern, Riyadh and Oassim provinces in the Kingdom. The Jubail plant draws seawater from the Arabian Gulf and uses less than 2.8 kWh of energy per cubic meter of water – a new world record for energy efficiency and sustainability in desalination.

Lantania also carried out the design, equipment supply and commissioning of a wastewater treatment plant for the Red Sea Project, a tourist city under development on the west coast of Saudi Arabia. The Red Sea facility will have the capacity to process up to 16,000 m³/day of wastewater through 46 hectares of artificial wetlands to guarantee supply of water for irrigation for the region.