

GS Inima and the Mancomunidad Sagra Alta officially present Illescas- Numancia of the Sagra-Yuncos WWTP Expansion Project.



Thursday, March 23rd.

In the framework of the World Water Day, representatives of GS Inima, accompanied by the president of the Mancomunidad Sagra Alta, María José Ruiz, the mayor of Yuncos, the deputy mayor of Illescas and the mayor of Illescas and the mayor of Numancia de la Sagra, **presented yesterday the Project for the Expansion of Wastewater Treatment Plant Illescas-Numancia de la Sagra - Yuncos**. The event took place in the current WWTP and was attended by mayors and representatives of **the 14 municipalities** which make up the Mancomunidad de la Sagra Alta.

The project presented represents an efficient management model for the purification of the municipalities of the Mancomunidad, not only because of its not only because of the **increase in treatment capacity, from the current 7,440m³/day to 15,000m³/day, which could be increased to 25,000m³ /day, thus responding to the demographic and economic growth of the region**, but also because it incorporates the latest technological advances aimed at minimizing energy consumption and sludge reduction.

"The expansion of the Illescas, Numancia and Yuncos wastewater treatment plants will be a regional benchmark with respect to the circular economy, taking advantage of and transforming biogas into energy, which further reducing the environmental impact of the plant. I am sure that its operation will be a source of pride for our Mancomunidad and an example for other similar facilities to follow for other similar facilities".

María José Ruiz, president of the Mancomunidad Sagra Alta.

The facility will include an anaerobic digestion system that will reduce treatment sludge and, at the same time, produce biogas as a byproduct. It is also planned to include primary decantation with two 19.00m decanters to reduce solids and pollutants with **minimum energy expenditure**.

In fact, the plant also includes in its design **the installation of solar panels with an installed power of 500 Kwp**, making it a highly sustainable and environmentally friendly facility.

"This is a unique project in the region. There is no plant in the region that treats these flows and has anaerobic digestion of sludge and at the same time produces biogas to be used in electricity generation. It is designed for the future, with infinite possibilities such as the production of reclaimed water for irrigation and irrigation of nearby municipalities. The biogas can also be purified and concentrated to supply fuel for the commonwealth's vehicles," stressed **Francisco de los Santos, GS Inima O&M contracts manager.**

Current Illescas-Numancia de la Sagra - Yuncos Wastewater Treatment Plant.

Built in 1999 and operated by GS Inima since then, the current WWTP collects and treats wastewater from the municipalities of Numancia de la Sagra, Yuncos and part of Illescas. The plant was designed to receive a flow of 7,440m³/day and has the following treatment stages: pre-treatment, biological treatment, secondary settling and sludge dewatering.

The expansion project, in addition to doubling its treatment capacity, will include new phases such as primary settling, anaerobic digestion, photovoltaic self-consumption, and self-consumption of electricity by biogas.

About the GS Inima Group

GS Inima is a group belonging to the Korean group GS E&C (<http://www.gsenc.com/en/>) and is specialized in Environmental activities, associated with the integral water cycle. The GS Inima group acts in all phases of the projects in which it participates: Design, Technology, Construction, Financing, Operation and Maintenance, and develops its activity both in the public and private markets. With a presence in more than 10 countries and in four of the five continents, its project portfolio exceeded 8,850 million euros in 2021, billing more than 233 million euros. For more information: www.inima.com

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