

PRESS RELEASE

ENCE awards SENER the construction of a new low-emission biomass power plant

Located in Puertollano, it is the third biomass facility that SENER has carried out for ENCE, either as a turn-key or EPC contract.

Madrid (Spain), June 6, 2018 - The engineering and technology group [SENER](#) has signed a contract with ENCE Energía y Celulosa, under either a turn-key or EPC arrangement, to supply a third low-emission biomass power plant, this time located in Puertollano (Ciudad Real, Spain). This is the third such contract that SENER has performed for ENCE, following the contracts for the turn-key construction of biomass power plants in Mérida and Huelva. In all cases, the contract covers the design, supply, construction and commissioning of the plant, as well as the running and maintenance during the first two years of operation.

This new contract affirms the ENCE group's trust in SENER's technology, after successfully executing the project in Mérida, which came into operation in 2014 and is now [running at full capacity](#). The power plant in Huelva, meanwhile, is currently [in the construction phase](#), and it is expected to enter into operation in the third quarter of 2019.

All three power plants apply SENER technology, a highly-efficient, regenerative thermodynamic cycle with reheating capability, which includes a furnace with a reheater and a turbine with two bodies - high and low pressure -, as well as several extractions. Also, the plant will be refrigerated using cooling towers. All of this will contribute to bringing the plant's gross output to over 35 %. Due to their innovative design, which combines high efficiency and low emissions, ENCE's three power plants designed by SENER will serve as a benchmark among biomass power plants.

Characteristics of the Puertollano biomass plant

The new facility will consist of an electricity generation plant using biomass from the forestry, farming and agrobusiness industries. It will enter into operation in 2020 and, like the previous two, will be one of the largest low-emission and high-efficiency residual biomass renewable energy plants in Spain.

It also follows the model of the previous plants in terms of the wide variety of types of biomass it will be able to operate with, thanks to the advanced fuel processing system that SENER will incorporate into its design. This system will be used to receive, prepare and store the fuel, and has already been applied in the previous power plants with very good results.

It will also have the best gas combustion and processing systems, which will guarantee compliance with the demanding limits of the new European BREF regulation (Best Available Techniques Reference) that establishes the benchmarks for the industry's best practices in Europe for Large Combustion Plants.

About SENER

SENER is a private engineering and technology business group founded in 1956. Its aim is to offer its clients the most advanced technological solutions and to achieve international recognition based on its independence and commitment to innovation and quality. SENER has almost 2,500 professionals across its centres in Algeria, Argentina, Brazil, South Korea,

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Chile, China, Colombia, the United Arab Emirates, Spain, the United States, Morocco, Mexico, Poland, Portugal, the United Kingdom and South Africa. The group's operating revenue exceeded 910 million Euros (2016 data).

SENER brings together its own Engineering and Construction activities with industrial holdings in companies working in the field of Energy & Environment. In the field of Engineering and Construction, SENER has become a leading company worldwide in the fields of Aerospace; Infrastructure and Transport; Renewables, Power, Oil & Gas; and Marine.

On the premise of efficient energy use, SENER has always stood out as a pioneering company in the field of renewable energies through investment and development of its own technologies in wide-ranging sectors, such as concentrated solar power, biomass, the treatment of Municipal Solid Waste (MSW) and the treatment of manure and oils. Along these lines, biomass electricity generation plants that use SENER technology are equipped with innovative solutions that optimise both efficiency and security.

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