

Balearic Gas Pipeline Project

Elster-Instromet selected as key supplier for gas metering systems

All major vendors were bidding for the project, and we are proud to be the ones to have got such a significant order. Elster-Instromet will provide about 50 turbine gas meters, 14 flow computers and 4 gas chromatographs for the Balearic Gas Pipeline Project in Spain.

While the natural gas network in Spain has been extended to cover the entire Spanish mainland during recent decades, the Balearic Islands were in the past supplied with town gas only. This was produced, at a reduced capacity, in a factory close to Palma de Mallorca, and later replaced by an air-propane mixture, with the option that this could be substituted with natural gas in the future.

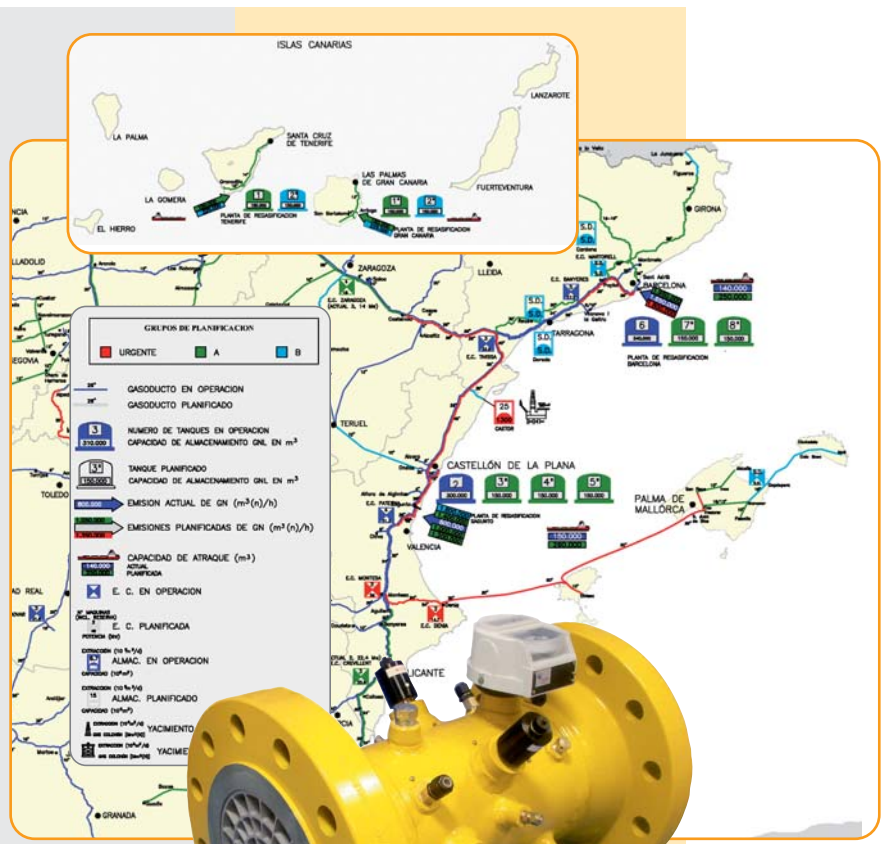
The topic was toyed with over several years of discussion and political power games until the Spanish government responded to the ecological pressure. They finally approved a project within their gas expansion schedule that would supply the Balearic Islands with natural gas from the mainland.

In the first project phase, the town of Denia on the mainland and Ibiza Town will be connected by a 20-inch submarine supply pipeline. In the second stage, a pipeline with the same nominal size will be constructed connecting Ibiza with Mallorca. Both projects are currently in progress and will finally comprise a total pipeline length of 268 km to transport gas at very high pressures.

The final phase is currently still in the planning stage and will consist of a further 16-inch submarine pipeline from Manacor, Mallorca, to Mao, Menorca.

Gas transport to the islands will be carried out at 70 bar, gas distribution on the islands themselves at 16 bar. Each of the transport and distribution stations will be equipped with two turbine meters by Elster-Instromet.

In addition to the establishment of a gas distribution network for industrial, com-



mercial and residential applications, three power plants of combined cycle type will be built for electricity generation: two plants will be erected in Mallorca and one in Ibiza. The owner of these power plants is Endesa Generación, a member of the E.ON Group.

Elster-Instromet will equip these three power plants with complete metering systems: turbine gas meters of types SM-RI-X and TRZ2, flow computers FC2000 and gas chromatographs EnCal 3000.

For submarine transport, compressor stations will increase the pressure of the gas to be transported. Two of these stations will be built on the islands and one on the mainland. The pipe itself will in fact be used for gas transport, but could also be used for gas storage if required. The complete, unassembled metering systems will be supplied by our branch in Spain, Elster-Instromet S.L., Barcelona.

Elster-Instromet – “We can do it!”

Josep M. Sauch | jm.sauch@elster-instromet.es