

Kaleseramik, major new project entrusted to Cefla

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IMOLA. The Kaleseramik Group has entrusted Cefla to upgrade the control and supervision system that oversees the entire cogeneration plant for the two factories in Cannakale and Kalebodur (which make up the Can manufacturing facility in Turkey) and to engineer the insertion of a new spray drier. A big step forwards, then, for this partnership with Cefla and its Plant Solutions Business Unit, begun over 15 years ago with the installation of a cogeneration plant that has, in the words of Kaleseramik's top management, "provided us with huge benefits in terms of energy cost and emissions reductions".

This latest project will also see Kaleseramik install a new spray drier with a water evaporation capacity of 25,000 litres an hour; this will be connected to the existing cogeneration system and a further system that recovers heat from the kilns to make the very most of existing thermal energy potential. The project, entrusted to Cefla, will involve the design, development and construction of key mechanical components, instrumentation and heat recovery system components, plus the supply of automation and supervision control devices (software and hardware).

The Kaleseramik cogeneration system is one of the most complex and sophisticated ever built in the ceramic industry. Three Siemens gas turbines with a total output of 21 MW will power, via their exhausts, nine spray driers and provide electricity for the entire manufacturing complex. The advanced automation system will also ensure, thanks to load reduction devices, the possibility of operating with one or more turbines depending on electricity requirements at the factories, thus allowing maximum working flexibility. An optic fibre network will ensure high speed transfer of all unit control signals while the new software will monitor the entire system via a user-friendly user interface, with constant recording and reporting of data.

"This renewal of the partnership with the Kaleseramik Group, states Claudio Modelli, Cefla Export Manager, "is, for us, an important demonstration of their faith in our work. It offers greatly appreciated confirmation of the soundness of our ceramic industry solutions, especially in the energy efficiency and cogeneration field and, above all, when that trust is shown by a Group so attentive to energy efficiency and the environmental impact of ceramic manufacturing".

Cefla Plant Solutions. For more than 80 years Cefla Plant Solutions has designed, built and maintained complex civil and industrial plant engineering systems and, for more than 30 years, worked in the energy sector as a provider of natural gas energy co-generation plants, heat recovery systems and gaseous flow purification systems. In the civil and industrial plant engineering fields, as in the energy production and Oil & Gas sectors, Cefla is also a provider of both technological services and global services.

Cefla is an internationally established Italian industrial concern that was founded in 1932. It is continuously evolving and operates in four different business areas: Plant Solutions (civil and industrial plant engineering for the energy sector), Shopfitting Solutions (shop equipment and customized retail outlet solutions), Finishing Solutions (machines and complete plants for coating and finishing) and Medical Solutions (equipment for the dental and medical sectors). Cefla's strength stems from its founding principles: strategic vision and long-term planning, investment in technology and innovation, financial soundness.