CASE STUDY

TUBOS REUNIDOS INDUSTRIAL, S.L.U. (SPAIN)

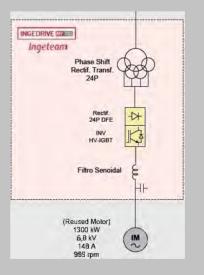






In July 2013, Ingeteam received an order from Tubos Reunidos, S.A., one of the main global suppliers of seamless steel tubes in carbon, alloyed, high-alloyed and stainless steel, to upgrade its centrifugal fan of the dedusting system of the electric arc furnace of its plant of Amurrio (Spain), in order to obtain a reduction of energy consumption.

Before the upgrade, the centrifugal fan motor (make INDAR, an Ingeteam brand) was driven by means of a soft starter and the air flow controlled with a shutter valve. The proposed change consisted in replacing the soft starter by a frequency converter, type Ingedrive MV700, which controls the speed motor in its full speed range thereby controlling the air flow in different points of work. Energy savings of up to 21% have been achieved after the upgrade. Additionally, the upgrade has enabled more operational flexibility to the plant.



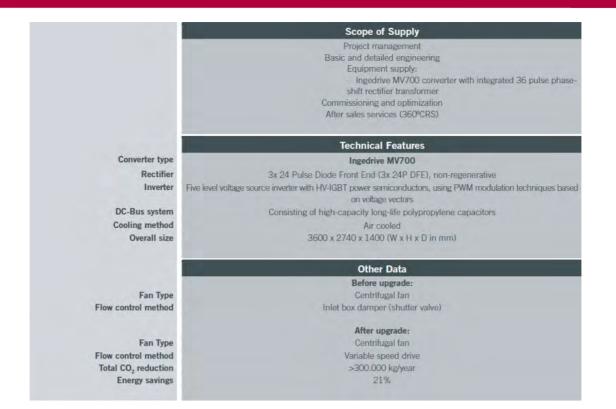
Centrifugal Fan for Dedusting System



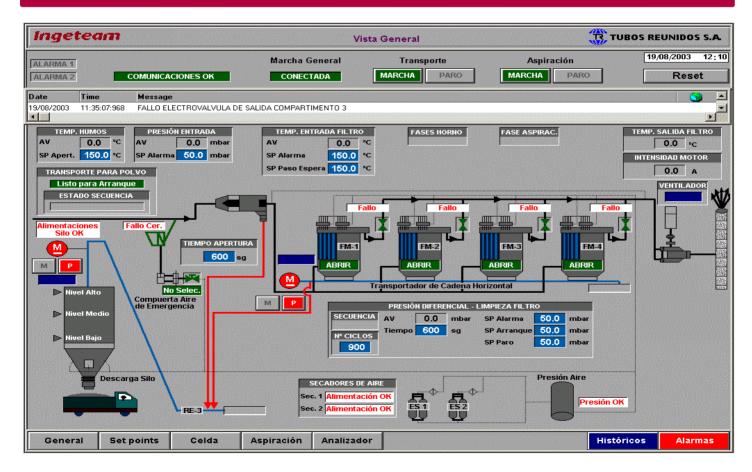
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Data



General



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