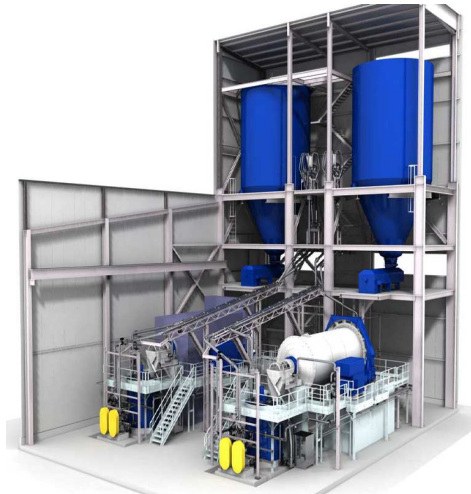


WET LIMESTONE MILLING SYSTEM FOR DeSOX TREATMENT OF PLANT EXHAUST GAS – PUENTE NUEVO POWER PLANT (SPAIN)

Gypsum-Limestone Process is the most diffused method used to eliminate Sulphur Oxides (SO_x) present in Combustion Exhaust Gases of Thermoelectric Plants. Combustion Exhaust Gases, after an accurate washing, are sprinkled with a suspension of water and limestone and then driven through an Absorber (ABS); the SO₂ is transferred from the combustion gases to the liquid suspension by the direct contact of these two elements. Puente Nuevo Power Plant is located in the municipality of Cordoba, Spain.

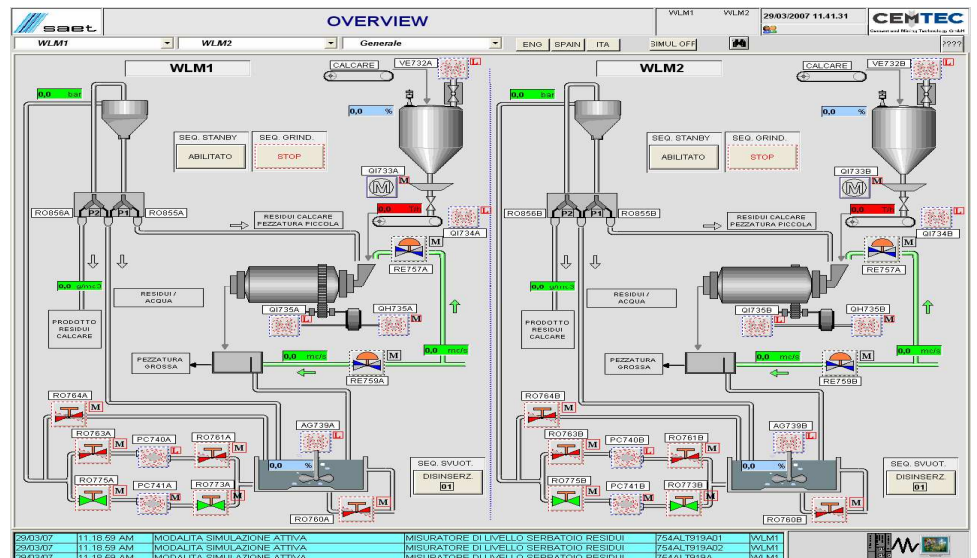


Limestone Wet System - lay-out



Thermoelectric Power Plant of Puente Nuevo

The plant has been realized by SAET in partnership with CEMTEC, an Austrian company leader in the milling system plants. The scope of supply was basic and detailed engineering, "Turn key" mechanical and electrical realization, SCADA supervisor system. The limestone is discharged from the Stacker Belt Conveyor to the Storage Silos, each one of 250m³ net capacity. A Vibrating Extractor is installed, complete of limestone chute and isolation gate, at Silos outlet to allows material flushing to the downstream Belt Weight Feeder.

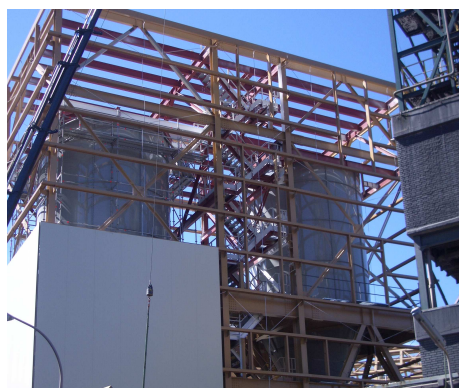


SCADA video page

The Belt Weight Feeder meter an accurate flow rate of limestone to the Ball Mill; in this way a controlled flow rate of material is fed to the Ball Mill in order to guarantee the required flow rate, solids concentration and solids size at Mill outlet.



Limestone ball mill



View of the plant during construction



Limestone Milling building