

ALBIOMA LE GOL

POWER PLANT, (FLUE GAS DESULPHURIZATION),
LE GOL (LA REUNION, FR)



Key information:

- Fuel: Coal, Bagasse
- Installation: Existing Plant
- Capacity: 58 MWe1
- Upstream Equipment: Boiler, ESP, ID Fan
- FGC process: Wet FGD (Flue Gas Desulphurization)
- Commissioning: 2016

TECHNICAL HIGHLIGHTS

- HIGH EFFICIENT WET FGD
- LIME SLURRY PREPARATION UNIT FROM HYDRATED LIME BIG BAGS
- GYPSUM PRODUCTION UNIT

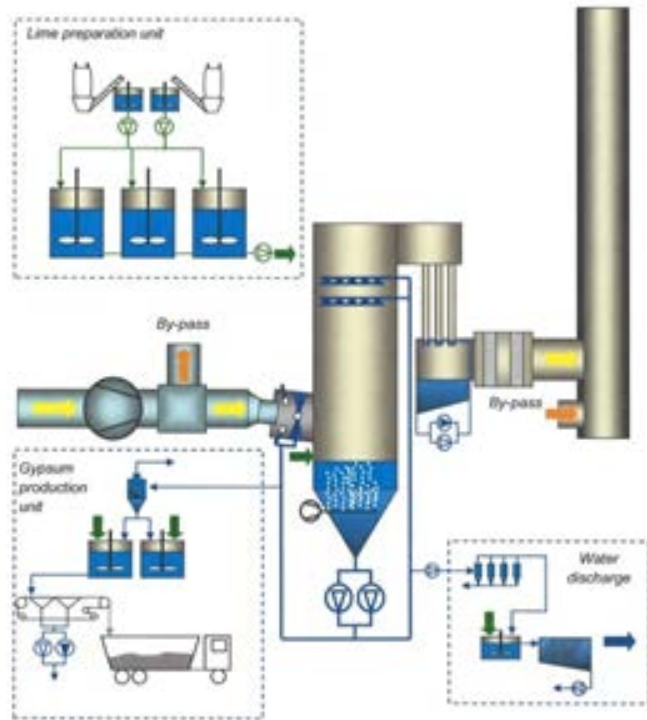
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WET SYSTEM

Wet scrubbing consists in spraying a large quantity of water into the gas flow to cause the transfer of gaseous pollutants into the water droplets by diffusion as well as their partial condensation.

The use of lime as a reagent leads to the formation of calcium sulphate (CaSO_4) which precipitates as gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$).

This gypsum is extracted by a specific purge and dehydrated on the centrifuge band filter which is part of the gypsum station.



Volume flow	210.000 Nm ³ /h wet	
Inlet Temperature	165°C	
Pollutants (mg/Nm ³)	Before FGT	After FGT
SO ₂	600 to 2000	200

Le Gol plant is one of the first cogeneration plants built by Albioma overseas.

For more than twenty-five years, it has been supplying electricity to La Reunion island network, partly using bagass, a fibrous residue derived from sugar cane.



272 000 tons of bagass have been burnt for one annual production cycle.



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