

# ALBIOMA

FLUE GAS DESULFURIZATION, LE GOL (LA RÉUNION, FRANCE)

## Key informations:

- Fuel: Coal, Bagass
- Installation: Existing Plant
- Capacity: 58 MWe1
- Upstream Components: Stocker Boiler, ESP, ID Fan
- Downstream Components: Wet Scrubber

## TECHNICAL ADVANTAGES



- WET FLUE GAS TREATMENT
- LIME SLURRY PREPARANT UNIT FROM HYDRATED LIME BIG BAGS
- GYPSIUM PRODUCTION



A subsidiary of

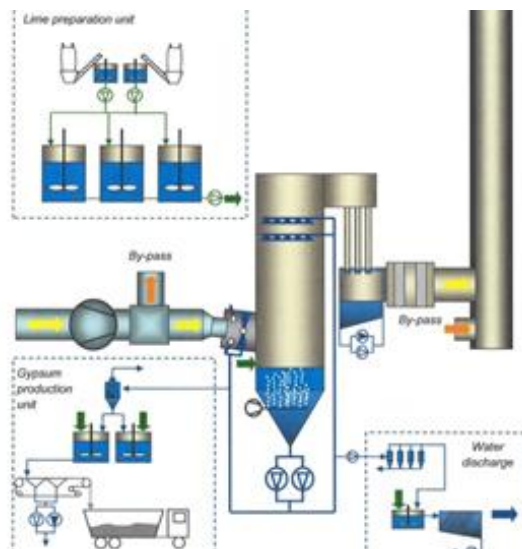
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## WET SYSTEM

Wet scrubbing consists of 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.

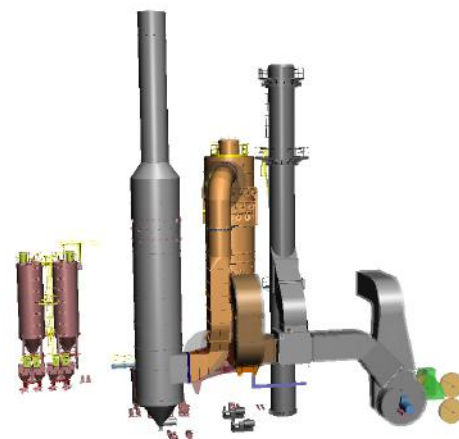
The use of lime as a reagent led to the formation of calcium sulphate ( $\text{CaSO}_4$ ) which precipitates as gypsum ( $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ ).

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



Volume flow	210.000 Nm <sup>3</sup> /h wet	
Inlet Temperature	165 °C	
<b>Pollutant</b>	<b>Before FGT</b>	<b>After FGT</b>
SO <sub>2</sub> (mg/Nm <sup>3</sup> )	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 has been burnt only for one annual production cycle.



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