Our Expertise

ENVIRONMENT MANAGEMENT – AIR POLLUTION SYSTEMS

AIR SYSTEMS

- Centralized Vacuum Cleaning System
- De-dusting, Filter Cleaning System,
- Pneumatic Conveying System
- Wet Scrubbing of various gases – FGD systems

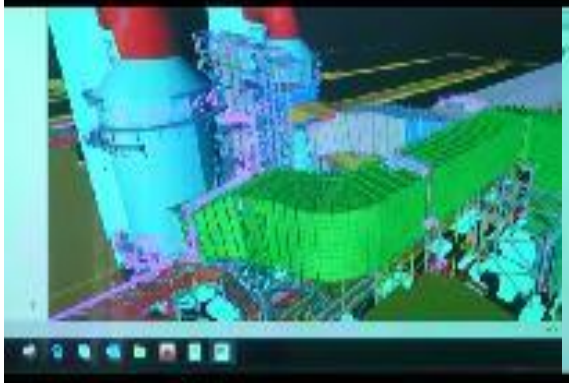
SOLIDS

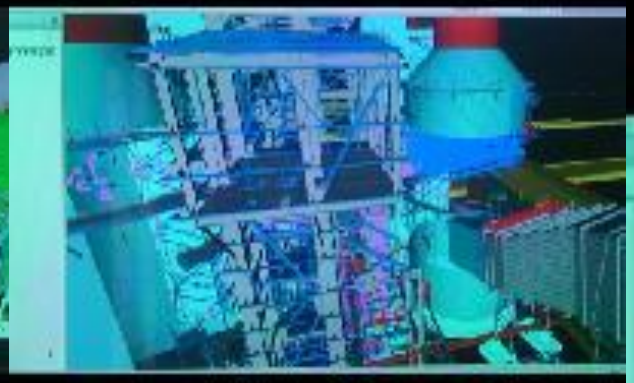
- Biomass and bio-Solid anaerobic digestion
- Sludge thickening and decantation
- Thermal sludge drying up to 5-10% moisture content

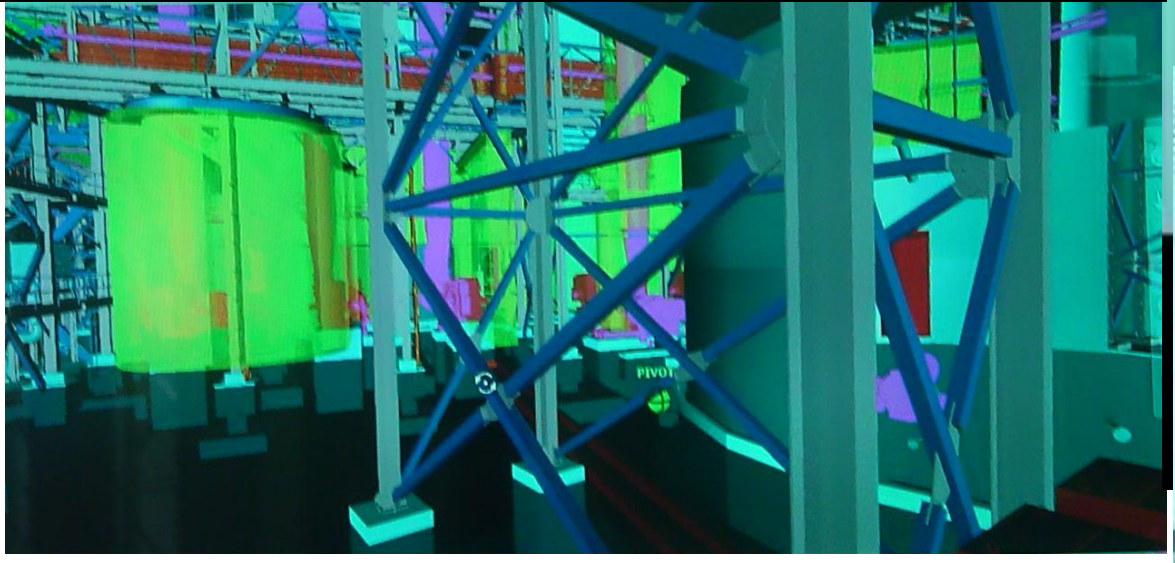
Rigel
Inspiring Talent

Our Credentials:

(Plant 3D Modelling for structural engineering)



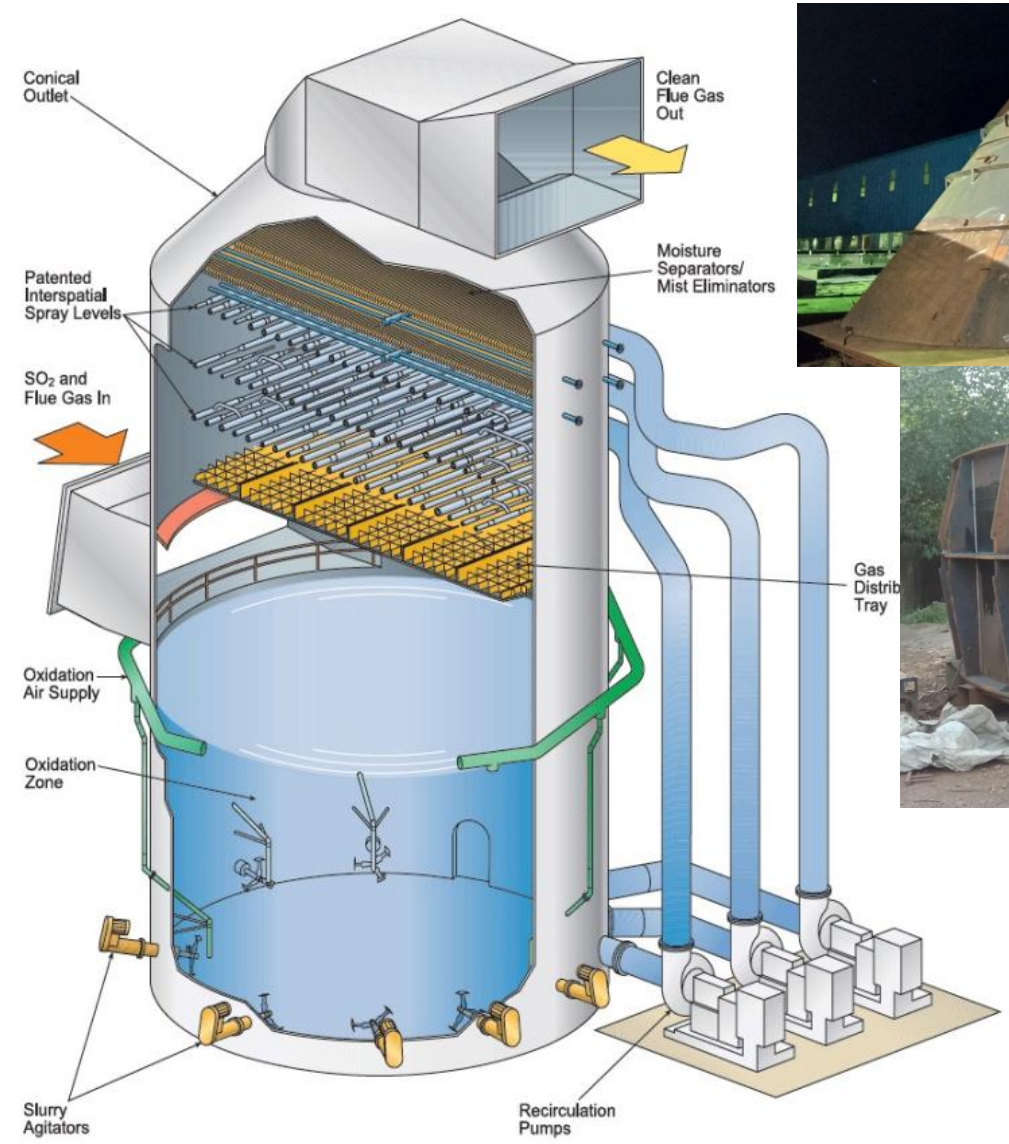




Rigel
Inspiring Talent

Our Credentials:

Flue Gas Desulphurization System



FLUE GAS DESALFURIZATION (FGD) PROJECT AT HONDUROUS, SOUTH AMERICA

PROJECT HIGHLIGHTS

- **Project Details** : 0.8 MTPA Iron Ore Pellet Plant
- **Project Location** : Tocoa, Honduras
- **Equipment** : Flue Gas Desulphurization System
- **Item Name** : Parts of Flue Gas Desulphurization Unit
- **Purchaser** : Inversiones Ecotek (S.A. De C.V.)
- **Supplier** : Whirlwind projects

Technical description of Flue Gas Desulphurization System:

Inversions Ecotek S.A. de C.V. (The Purchaser) intends to set up a 0.80 MTPA Beneficiation Plant at Tocoa, Honduras, C.A. The proposed facility shall be state-of-the-art having the latest technological features capable of guaranteeing a high dimensional accuracy and quality of the finished product. It shall also guarantee high material yield, low energy consumption and high utilization of the plant.

In the above process flue gas after ESP at 150 deg C is been taken in to the absorber for desulphurization.

Inputs

1	Gas flow	600000 AM3/hr @ 150deg C
2	Sulphur content in Gas	
	From Ore	56 Kg/hr
	From Fuel	38 Kg/hr
	From Coal	35 Kg/hr
	Total	129 Kg / hr
3	Moisture Content	10%
4	Dust Load	Pre ESP 5gm/NM3
		Post ESP 25mg /NM3
5	ID fan static	6000 Pa
	Loss in ESP	250 Pa
6	Lime stone available	Powdered Calcium Carbonate CaCo3