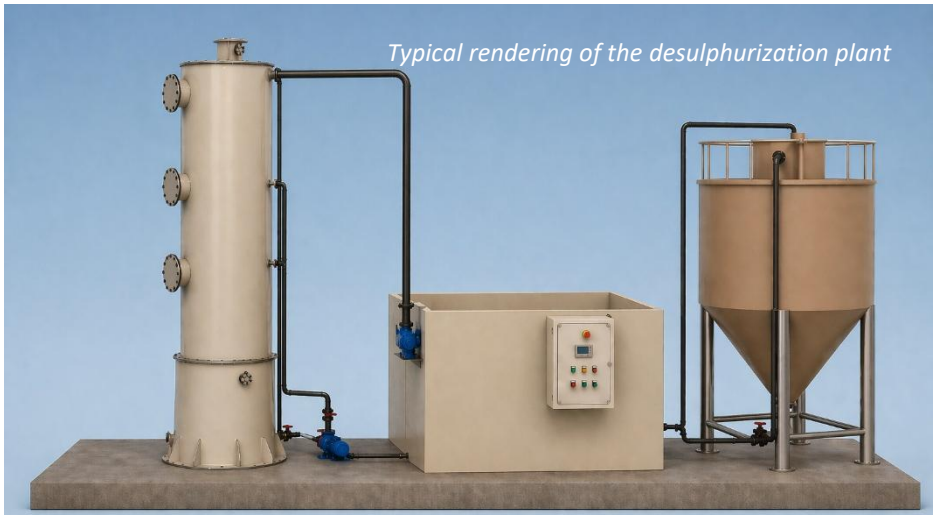
Biogas Desulphurization Systems Fact Sheet

Air Clean designs and manufactures biogas desulphurization plants for the removal of high concentrations of hydrogen sulphide (H_2S). The technology is mainly based on the minimum use of reagents, which are partly regenerated within the operating cycle, guaranteeing abatement efficiencies of over 99% with a high input of H_2S, all with extremely low management costs.

SYSTEM DESCRIPTION

The main objective of the Air Clean desulphurization plant is to minimize, in the case of the presence of cogeneration systems for the production of electricity, maintenance operations on electromechanical components, and in the case of upgrading plants, to maximize the purification of the gas from impurities or acid gases.
The desulphurization plant consists of a vertical spray tower, an oxidation tank and a sedimentation reactor for the recovery and reuse of process reagents. Depending on the specific application, and base on the customer's needs, the desulphurization system can be followed by the proprietary CrumRubber™ - MónaShell® biological technology or by activated carbon systems for the reduction of VOCs.



Typical rendering of the desulphurization plant



REAGENT REGENERATION
Reagents almost entirely recovered

LOW INVESTMENT
Limited Capex and Opex

HIGH EFFICIENCY
Up to 99% abatement in front of an entrance of high H_2S

MAIN APPLICATIONS
BIOGAS AND BIOMETHANE PLANTS
LANDFILL BIOGAS
WATER TREATMENT PLANT
CHEMICAL AND PETROCHEMICAL PLANTS
TANNING INDUSTRY

MAIN FEATURES	
VOLUME OF GAS THAT CAN BE TREATED	> of 100 Sm^3/h
H_2S CONCENTRATION	> 100 ppm
REMOVAL EFFICIENCY	UP TO 99%
CONSTRUCTION MATERIAL	BASED ON PROJECT DATA

Environmental remediation systems
Air treatment
Biogas purification

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ISO 9001 ISO 14001 ISO 45001