

TECNIUM[®]

PROCESS



**DESIGN ENGINEERING INSTALLATION
OF GAS TREATMENTS**

BIOLOGICAL GAS CLEANING:

This refers to a clean technology suitable for eliminating **Odours** and **V.O.C.** by using microorganisms contained in the biomass through which the previously conditioned gas (temperature and humidity, free of dust and bactericidal contaminants etc.) is put to circulate.

The method offers significant advantages such as **low operation cost**, **versatility** and **no polluting waste**.



INDUSTRIAL REFERENCE:

Installation which eliminates V.O.Cs originating from a milk derivatives industry in Spain, built in 1998. Air flow: 4,000 Nm³/h.

TECNIUM®



Installation which eliminates V.O.C. in a pharmaceutical plant.

Construction based on modular system using standard stackable metal containers. This installation can be easily enlarged.



Installation which eliminates odours originated from an municipal waste water treatment plant designed for a gas flow rate of 12,000 Nm³/h. The gas has different sources in the plant: upwelling, filter room, sludge thickeners etc.



TECNIUM PROCESS offers multiple applications for treatment, cleaning and filtering of gas by using dry or wet systems. Our scrubbers, venturis, multiventuris, bag filters, degassers, biological filters, UV units etc. have been able to resolve numerous problems of the fertilizers industry, water treatments, surface treatments, odour elimination etc.

The solutions we offer are comprehensive and competitive, because we use corrosion resistant materials such as **POLYPROPYLENE, REINFORCED POLYESTER, PVC, PVDF**...., conventional **COATINGS** and **special ALLOYS**, and coordinate with our own means (design center, fabrication and assembly shops, own R+D department, pilot plant etc.)

There are installations designed and developed by **TECNIUM PROCESS** in many countries all over the world: in Europe, America, Middle East, Far East, North Africa, in cooperation with Engineering Companies like FOSTER, TOYO, MONSANTO, TECNICAS REUNIDAS, ONDEO DEGREMONT, LURGI.... To mention some of our customers: ALUMINIUM PECHINEY, ATOCHEM, SOLVAY, BAYER, REPSOL, etc..

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