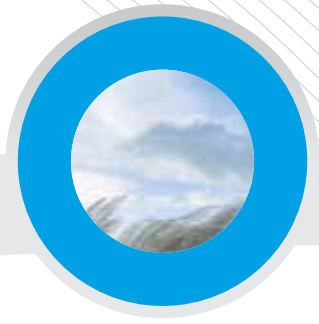




CMI ENVIRONMENT

AIR & GAS
CMI Europe Environnement



Expert in **ODOURS** treatment

CMI Europe Environnement makes available the most performing technologies in order to control odorous pollutions from processes of several applications, such as:



PUBLIC WASTEWATER TREATMENT PLANTS



INDUSTRIAL WASTEWATER TREATMENT PLANTS



AGRIFOOD



SORTING CENTER WASTES RECYCLING



COMPOSTING PLANTS



PAPER MILL

Dealing with industrial applications or public ones, sources and types of odorous pollutions are wide: our business is to define and set up the optimal treatment solution, compliant with your expectations and standards.

Thanks to our know-how and our technological master, CMI Europe Environnement contributes to:

- Protect on site operators
- Control your gaseous releases
- Preserve your working environment: buildings and equipments
- Enhance your image among your neighbors and customers





RECURRING CHALLENGE IN WASTE WATER TREATMENT PLANT

Smelly gaseous emanations coming from pumping stations, storm-water basins, settling ponds, storage areas, sludge dehydration and drying areas

- Sulphurous compounds: hydrogen sulphide (H₂S), mercaptans (R-SH),
- Nitrogen compounds: ammonia (NH₃), amines (R-NH₂)...
- VOC: aldehydes, ketones, fatty acids (R-COOH)

EXAMPLE OF STANDARD SOLUTION



CASE OF A WWTP AT MACAU – CHINA (LOCATED IN THE MIDDLE OF DOWNTOWN): EXPANSION OF THE ODOUR TREATMENT CAPABILITIES

- Airflow: 35 000 m³/h
- Pollutants: H₂S, C₈H₈, NH₃, CS₂, DMS, DMDS, CH₄S, CH₃-SH

OUR SOLUTION

- Mineral biotrickling filter
- Radial demister & Electrical cabinet
- 2 activated carbon filters
- 2 high pressure centrifugal fans equipped with muffler and acoustic chamber
- Monitoring system for H₂S: inflow & outflow

PERFORMANCE: > 99%

RECURRING CHALLENGE IN DOMESTIC WASTES TREATMENT PLANS

- Smelly discharges from sorting areas, storage areas, and from the drying/fermentation process
- Pollutants: sulphure, nitrogen, chlorine, VOC and alcohols

EXAMPLE OF STANDARD SOLUTION



CASE OF A COMPOSTING UNITS OF HOUSEHOLD AND GREEN ORGANIC SLUDGE (FRANCE)

- Airflow: 19 000 m³/h
- Pollutants: NH₃, COV, H₂S

OUR SOLUTION

- Packing scrubber to treat NH₃ with acid injection control system
- Organic biofilter
- Piping network of fermentation hall
- Centrifugal fans for air intakes and exhausts

PERFORMANCE: > 80%