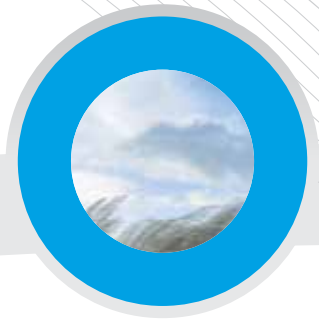




CMI ENVIRONMENT

AIR & GAS
CMI Europe Environnement



Expert in the treatment of industrial chemical pollution: **harmful & corrosive gases in CHEMICALS**

CMI Europe Environnement makes available to you the highest performing technologies for **controlling gaseous pollutants** from your processes in **numerous applications**, such as:



ORE PROCESSING



METALS PURIFICATION



FERTILIZER DEPURATION



PHARMACY



COSMETICS



GLASSWORKS

In both heavy and light chemicals, the production and transformation processes call on extensive wide range of chemical elements; resulting in a wide variety of polluting gaseous emissions: our job is **to define and set up the optimal treatment solution** in line with your requirements and those of the regulations in force.

Thanks to its **know-how** and **technological skills**, CMI Europe Environnement helps to:

- Protect on site operators
- Control your gaseous releases
- Preserve your working environment: buildings and equipment
- Enhance your image among local residents and clients

AUDIT

TREATMENT
SOLUTION DESIGN

MANUFACTURE

INSTALLATION

COMMISSIONING

MAINTENANCE
& AFTER-SALES
SERVICING



EXAMPLE OF A USUAL ISSUE ARISING IN LIGHT CHEMICALS

- Treatment of gas on reactors (HCl, SO₂, etc.)
- Scrubber or safety scrubber (F, Br₂, Cl₂, NH₃)
- Pollutants: CN, HF, HNO₃, Cl₂, HCl, SO₂, NH₃, VOC, etc.

EXAMPLE OF TYPICAL SOLUTION



MEDICAL APPLICATION

- Pollutant: NMP between 7 & 9 mg/m³
- Airflow: 24 500 m³/h at 32°C

OUR SOLUTION

- Packing scrubber
- Ventilation equipment
- Secured access to equipment
- Chimney
- Electric cabinet

PERFORMANCE: > 75%

EXAMPLE OF USUAL ISSUE IN HEAVY CHEMICALS

- Treatment of process gases
- Pollutants : CN, HF, H₂S, NH₃, Cl₂, SO₂, HNO₃, etc.

EXAMPLE OF TYPICAL SOLUTION



CLIENT'S PROCESS: TREATMENT OF AURIFEROUS AND LIXIVIATE MINERALS BY CYANIDATION

- Pollutants: alkaline and hydrogen cyanide vapours (HCN with a polluting content at 47 mg/m³)
- Airflow: 2 400 m³/h

OUR TURNKEY SOLUTION

- A packing gas scrubber with regulation equipment for the caustic soda and bleach solutions
- Ventilation equipment

PERFORMANCE:

> 98% FOR THE CYANIDE
> 90% FOR THE ALKALINES