



CMI ENVIRONMENT

AIR & GAS



## Expert of AIR STRIPPING SOLUTIONS

CO<sub>2</sub>

COV

NH<sub>3</sub>

H<sub>2</sub>S

CMI Europe Environnement makes available to you the highest performing technologies for **recovering polluted liquid wastes** from your processes **into a resource efficient solution** in **numerous applications** e.g.,



■ Agrifood



■ Methanization



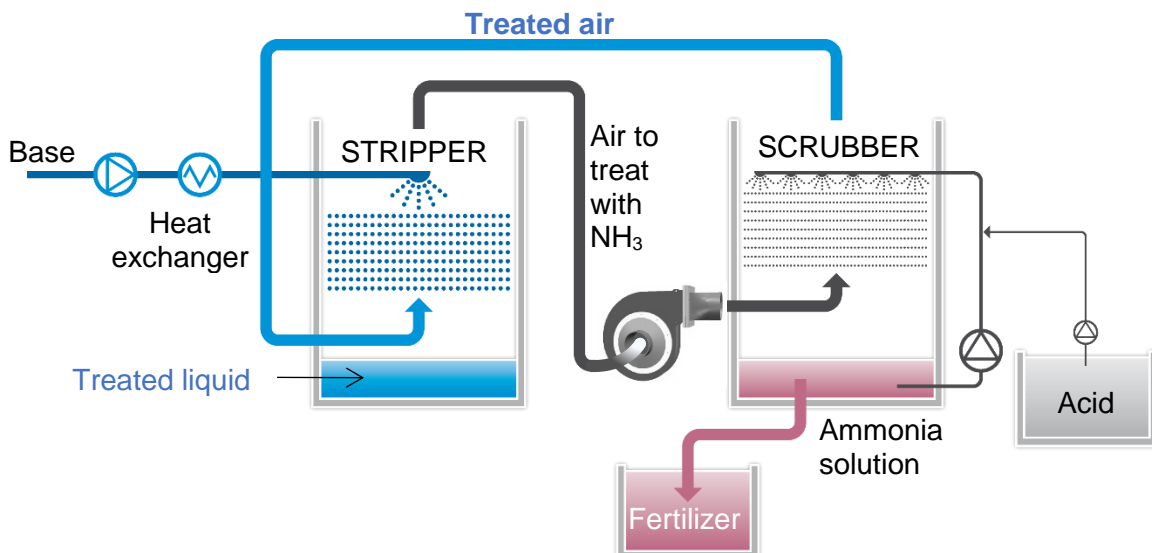
■ Aeronautics



■ Chemical

Our business is to **define and set up the optimal treatment solution** as well as to **enhance operating parameters**.

The stripping solution consists in sorting chemical contaminants from wastewater either to allow their recycling or to facilitate their disposal. The two-step solution stands in extracting the pollutant from the liquid which is then concentrated in a solution in an economic purpose: treatment or reuse in your processes / for sale.





## Internal R&D lab equipped with a stripping pilot for

- Efficiency tests
- Design optimisation
- Operating conditions upgrades
- Estimation of reagents consumptions



## RECOV'AMMONIA™ : our stripping solution dedicated to ammonia recovery

- Treatment of processing gases



### Client's process: Methanization of beet pulp

- Pollutants:  $\text{NH}_4^+$  at 2,4 g/L for a 102 kg/h flow
- Liquid flow: 42 m<sup>3</sup>/h at 60°C and pH = 9
- Process gas flow: 80 000 m<sup>3</sup>/h
- Application: **Recovery of ammonia**

**Pollution cut : > 92%**

- ➔ Ammonia concentration in the stripping effluents : < 200 mg/L
- ➔ Concentration of ammonium salts in the solution : 40% at +/- 2%



### Client's process: Electronic

- Pollutants:  $\text{NH}_4^+$  at 0,5 g/L for a 11 kg/h flow
- Liquid flow: 22 m<sup>3</sup>/h at 65°C and pH ≥ 10
- Process gas flow: 17 000 m<sup>3</sup>/h
- Application: **Disposal of ammonia**

**Pollution cut : > 75%**

- ➔ Ammonia concentration in the stripping effluents : < 123 mg/L