



Expert of Air Stripping Solutions

CO₂

COV

NH₃

H₂S

John Cockerill 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



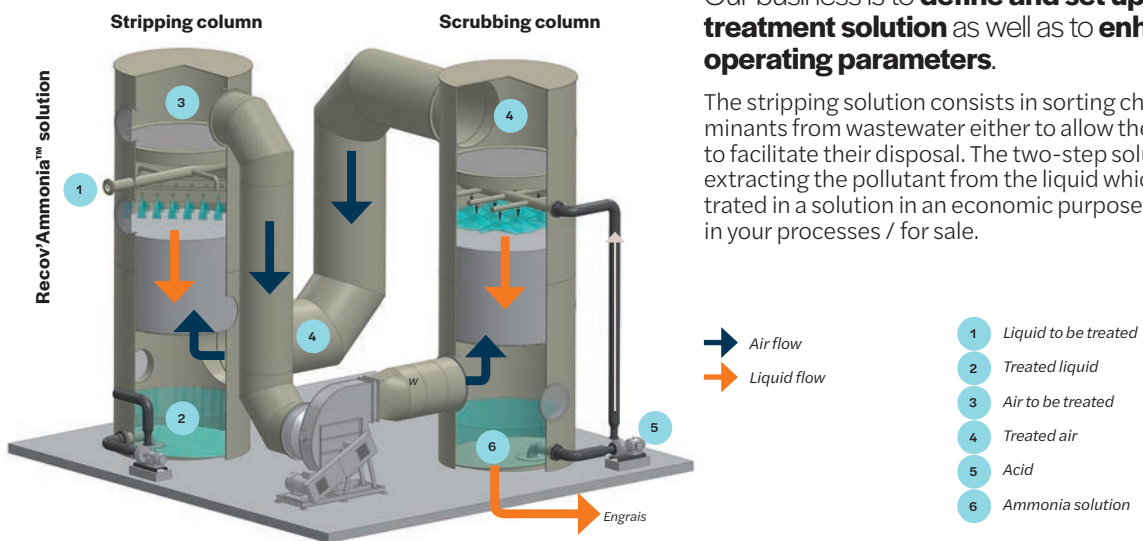
Methanization



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:**
NH₄⁺ at 2,4 g/L for a 102 kg/h flow
- **Liquid flow:**
42 m³/h at 60°C and pH = 9
- **Process gas flow:**
80 000 m³/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%

Electronic

- **Pollutants:**
NH₄⁺ at 0,5 g/L for a 11 kg/h flow
- **Liquid flow:**
22 m³/h at 65°C and pH ≥ 10
- **Process gas flow:**
17 000 m³/h
- **Application:**
Disposal of ammonia

Pollution cut > 75%

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



John Cockerill Europe Environment

John Cockerill Europe Environment
1 rue des Pins - Parc d'Activités du Pays de Thann
68700 Aspach-Michelbach, France
Tel. +33 (0)3 89 37 41 41
europe.environment@johncockerill.com

John Cockerill Environment Hungary
Vágóhid u.1.
8800 Nagykanizsa, Hungary
Tel. +36 93 519 045
environment.hungary@johncockerill.com

johncockerill.com/environment

