



**AGRICULTURE
& INDUSTRY**

Treatment of digestates and manure

CONCENTRATED ON SOLUTIONS

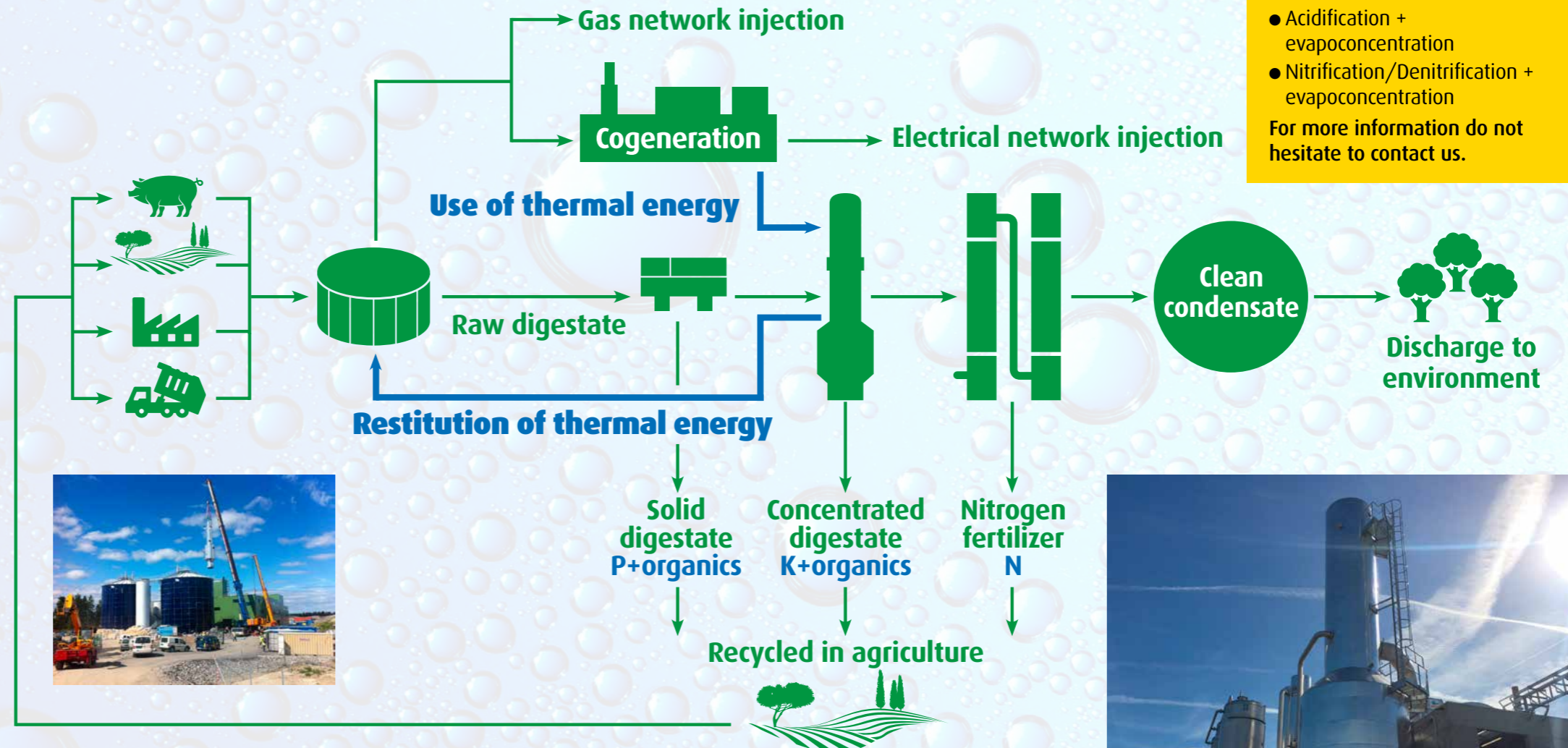


- EVAPORATION
- STRIPPING
- ENERGY EFFICIENCY

 **France**
evaporation

France Evaporation is a specialist in the treatment and recycling of digestates and manure. We are developing the most performing and most sustainable solutions for concentration and recycling on the market. Complete and user friendly, our solutions will reduce your operation costs.

A global solution for valorization of manure and digestates in an economical loop



ALTERNATIVE TREATMENTS

- Acidification + evapoconcentration
- Nitrification/Denitrification + evapoconcentration

For more information do not hesitate to contact us.

Experience and expertise

France Evaporation brings together a complete team of engineers specialised in the treatment of digestates and manure. It ensures you a global approach to your problems.

Experts in evaporation and concentration technologies

- Evaporation: falling film, forced circulation, under vacuum
- Stripping, reverse osmosis
- Energy efficiency, mechanical vapour re-compression, multiple effect

Complete and global intervention

- Installation survey
- Project development support
- Laboratory testing
- Pilot trial (in our workshop or on site)
- Turnkey projects
- Installation and start-up
- Maintenance and operation

25 years experience

- Unique expertise on the market
- Feedback which secures your projects

Great ease of use and maintenance

- 100% automated units
- Controlled maintenance

Compact units

- Incorporation into all types of sites
- Without environmental nuisance (noise, odours, etc.)

€ An economical solution

- Reduction in the digestate volume
- Reduced costs for transport, storage and spreading
- Optimum re-use of products: fertilizer, amendments and biomethane

90% reduction in volume on average

📄 A regulatory solution

- Optimisation of spreading plans
- Purification for discharge into the natural environment

🌱 An eco-friendly solution

- Separation of the elements, N, P and K
- Development of targeted fertilizers, with high agricultural value
- Nitrogen fertilizers: ammonium sulphate/nitrate, ammonia water
- Organic-based amendments

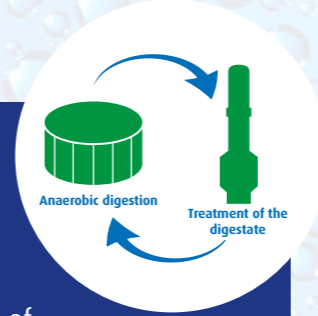
⚡ A low-energy solution

- Optimisation of the plant's yield
- High performance technology: Mechanical Vapour Re-compression (MVR)

France Evaporation innovation

An innovative process for the recovery and recycling of energy, which boosts the overall performance of the plant.

- 100% of the biomethane recovered in injection
- Up to 50% reduction in overall energy consumption



🕒 A sustainable solution

- High level performance, steady over time
- Little sensitivity to variations in the input
- Very low breakdown rate

🌿 An ecological solution

- Optimised energy consumption
- Maximum recycling of by-products
- Complete purification of discharged products

Service life greater than 25 years



With more than 25 years experience France Evaporation develops high performance solutions for volume reduction and recycling of digestates and manure.

Our teams design, test, manufacture and monitor complete plants, which are sustainable and efficient, enabling an optimum recycling of your products: fertilizer and energy recovery.

With a fast return on investment, our solutions involve technologies and proven processes for evaporation, concentration and distillation with the best energy efficiency.

References

WATERLEAU: Ypres, BELGIUM

Annual throughput: 90,000 m³

Technology: Concentration / Stripping

Bart's Potato : Westvleteren, BELGIUM

Annual throughput: 23,000 m³

Technology: Concentration

Tiper : Thouars, FRANCE

Annual throughput: 48,000 m³

Technology: Concentration / Stripping / Ammonium sulphate

EGE : Oslo, NORWAY

Annual throughput: 110,000 m³

Technology: Acidification/Concentration

Treatment unit: BELGIUM

Annual throughput: 48,000 m³

Technology: Concentration

SEDE Environnement (VEOLIA) :

Graincourt-lès-Havrincourt, FRANCE

Annual throughput: 63,000 m³

Technology: Concentration / Stripping / Ammonium sulphate

SIS : Guadeloupe, FRANCE

Annual throughput: 120,000 m³

Technology: Concentration

TEREOS : Artenay, FRANCE

Annual throughput: 240,000 m³

Technology: Revamping

Treatment unit: BELGIUM

Annual throughput: 50,000 m³

Technology: Concentration

Op de Beeck : Antwerp, BELGIUM

Annual throughput: 185,000 m³

Technology: Concentration/ Stripping



STAMINIC www.staminic.com

France Evaporation is a partner of BiogazVallée and Méthania



Zone Industrielle A de Seclin

Rue René Cauche - 59139 Noyelles-les-Seclin, France

Phone: 33 (0)3 2000 1750 - Fax: 33 (0)3 2000 1759

www.evaporation.fr - contact@evaporation.fr