

STUDY TOUR - BIOGENIC CO₂ FROM BIOGAS : METHANISATION UNITS



Provided image by AILE (A.R.R)



Provided image by GAEC Nord Vendéen (ARR)

SCHEDULE - Study tours, 10th of February 2026 - GAEC Nord Vendéen (85) & Méthavie (85)

AFTERNOON

12:45 - 13:00 : Bus boarding - Train station.

13:00 - 14:00 : Bus ride to **GAEC Nord Vendéen**.

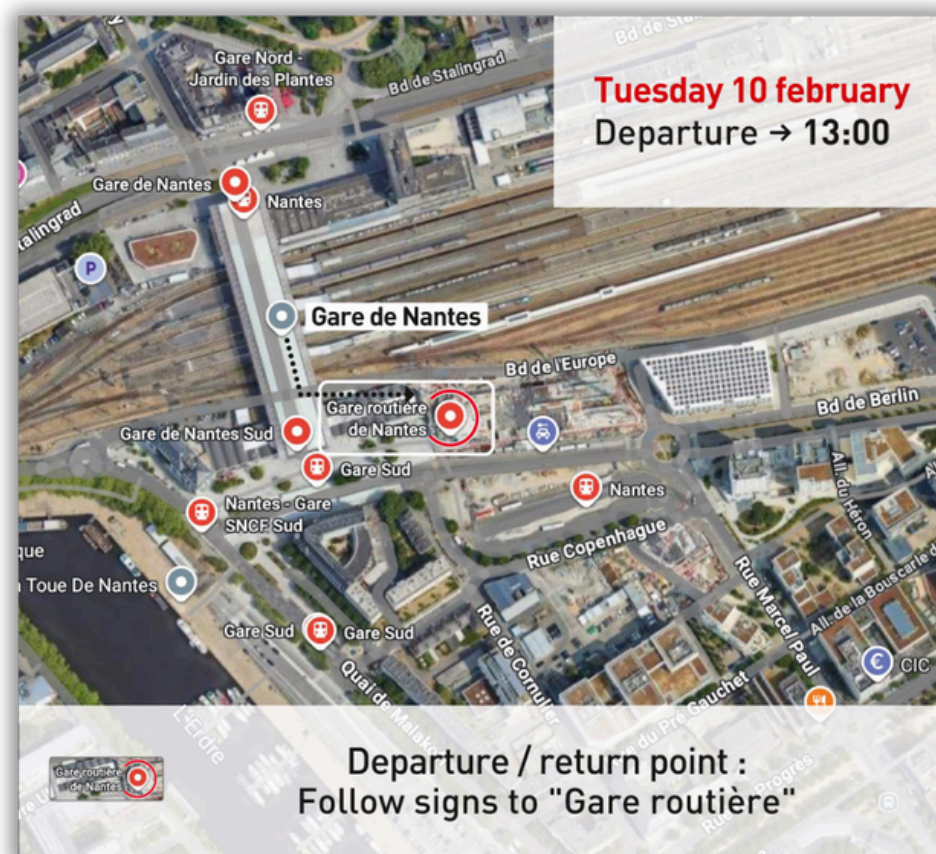
14:00 - 15:10 : Guided tour - GAEC Nord Vendéen.

15:10 - 16:10 : Bus ride to **Méthavie**.

16:10 - 17:20 : Guided site tour - Méthavie.

17:20 - 18:30 : Return journey.

18:30 : Arrival, Train station, Nantes.



Organiser :



in partnership with :



Gaec Nord Vendéen

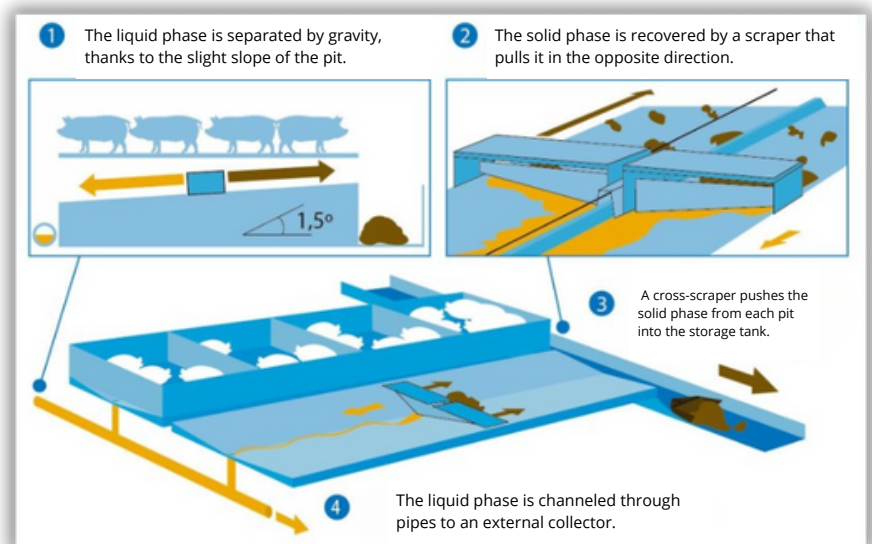
Seeking self-sufficiency, **GAEC Nord Vendéen** is developing its anaerobic digestion plant, focusing primarily on animal feed and energy production.

Located in Cugand (Vendée), the farm and its livestock of **625 animals** (including 310 sows and 140 dairy cows) are supported by integrated crop production designed to **optimize** land use. (Crops include wheat, barley, grain corn, and ryegrass.)

For **over 20 years**, the farm has continuously evolved and modernized, notably through the installation of milking robots. **GAEC Nord Vendéen** is committed to reducing the environmental footprint of its agricultural machinery. This involves planting corn and ryegrass cover crops, which serve as feedstock for the anaerobic digestion process."

Thanks to its operational methanisation work, the site uses **liquid digestate** to fertilize the fields, which allows them to reduce the use of chemical nitrogen fertilizers. Between 2019 and 2020, the farmers installed a **gas injection methanizer** to recover waste, reduce nuisances, and generate income.

The site is an example of circular economy, using the entirety of the digestate and thus the full potential of organic waste. The **GAEC** also offers direct sales since opening an **on-site grocery store** in 2017.



Provided images by GAEC Nord Vendéen (A.R.R)

Méthavie.

SAS **Méthavie**, with its partners, processes **38,900** tons of organic matter per year, thanks to its methanizer. Connected to the GRDF network, Méthavie contributes to **supplying** La Roche-sur-Yon with energy through this process.

For several years now, the industrial zone in Poiré-sur-Vie has been equipped with a CO₂ capture module installed by **VerdeMobil**. Annual BioCO₂ production is **3,200 tons**.

By diversifying its activities, **Méthavie** contributes to reducing the use of chemical fertilisers and minimizing storage and spreading costs.

The company ensures its project maintains a genuine dimension of **dialogue** with elected officials and local residents. The project is **considerative of their needs**, requirements, and the nuisances to be minimized (or limited).



Image - SAS Méthavie (T.D.R)



'The proximity of our suppliers and local service providers/partners is a major asset for our region, enabling us to respond quickly when needed.' says Frédéric Audureau (President of Méthavie).

Organiser :



in partnership with :

