

## STUDY TOUR - BIOGENIC CO<sub>2</sub> 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**.

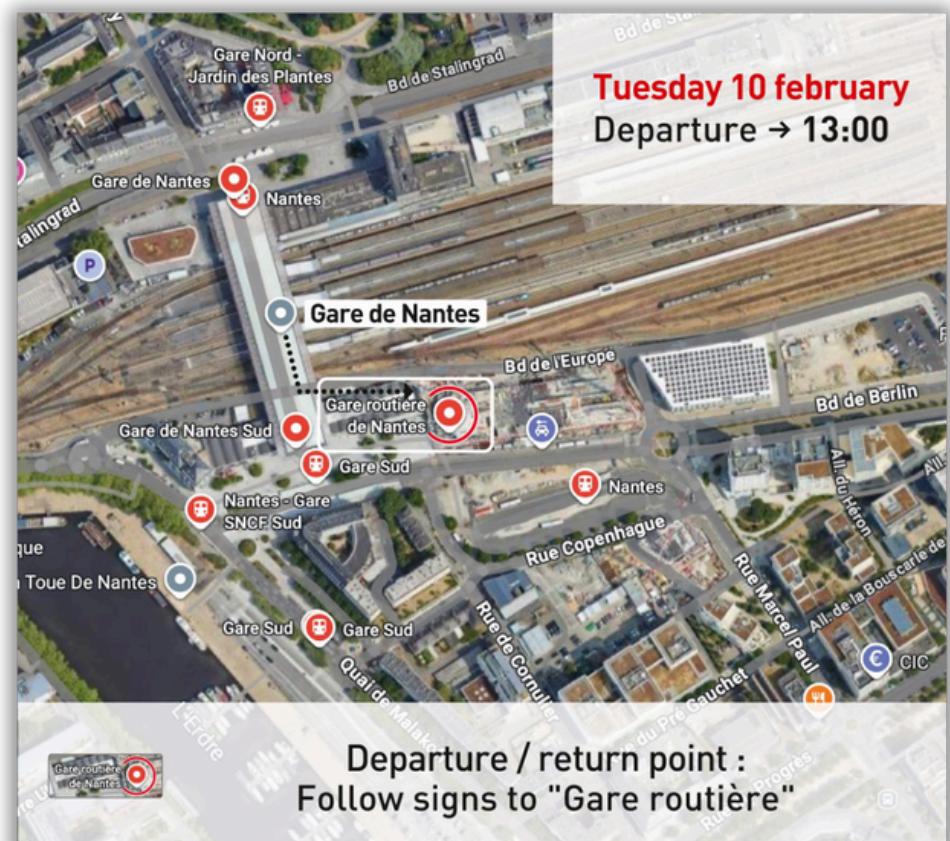
14:00 - 15:10 : Guided tour - GAEC Nord Vendéen.

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.



# Gaec Nord Vendéen

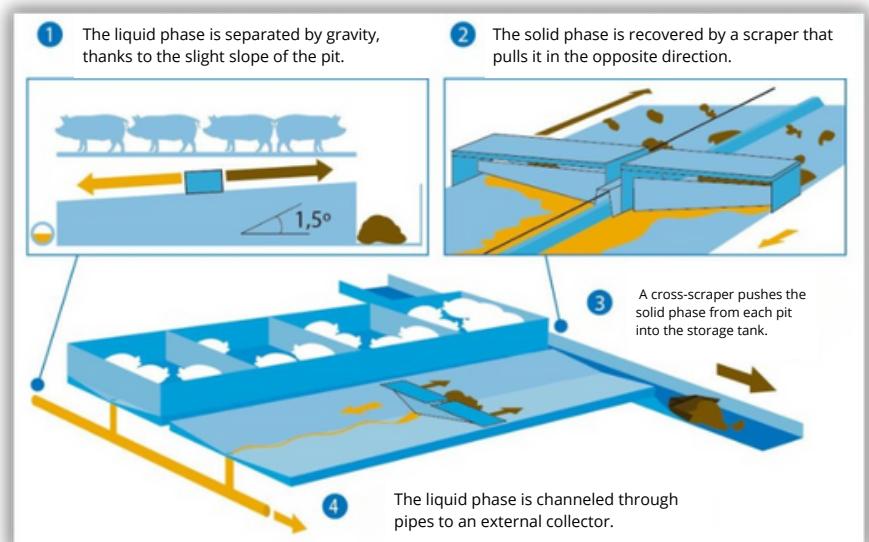
Seeking self-sufficiency, **GAEC Nord Vendéen** is developing its anaerobic digestion plant, focusing primarily on animal feed and energy production.

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 rye-vetch 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 CO<sub>2</sub> capture module installed by **VerdeMobil**. Annual BioCO<sub>2</sub> 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).

*'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).*



Image - SAS Méthavie (T.D.R)

