

FARM TOUR

PLANT: Petit Rollet Site

NAME OF THE VISIT: Visit of biogas/methanation unit

DATE OF THE VISIT: 01/10/2024

ADDRESS: 6 Chemin du Petit-Rollet, 63720 ENNEZAT

METHELEC SITE

"In addition to feeding you, your local agriculture provides you with energy"



The Petit Rollet site is a cluster for several firms, including:

- SARL REILA, the Lhospitalier family holding company
- SAS LOPA, farm business that includes a poultry operation, the rearing of ducks for fattening (foie gras), a cattle-rearing operation and crops
- SAS METHELEC, farm business handling the by-products of our farming business and agro-industrial coproducts for producing green energy
- SAS BIO-VALO, specialist business conducting research, development and training for optimising agricultural activities
- SAS LANGA, specialist business in the production of renewable energy leading to the installation of photovoltaic panels on the site

The farm

- 55 ha of cereal crops
- 40 ha of secondary crops
- 4 poultry-rearing activities that rear 750,000 poultry per year
- 1 fat-duck finishing activity (foie gras) : 2,200 places (18 lots per year) totaling 35,000 ducks per year
- 1 cattle finishing activity: 399 places on a rolling 6-month basis totaling 790 cattle/year
- All our buildings are fitted with photovoltaic roof panels

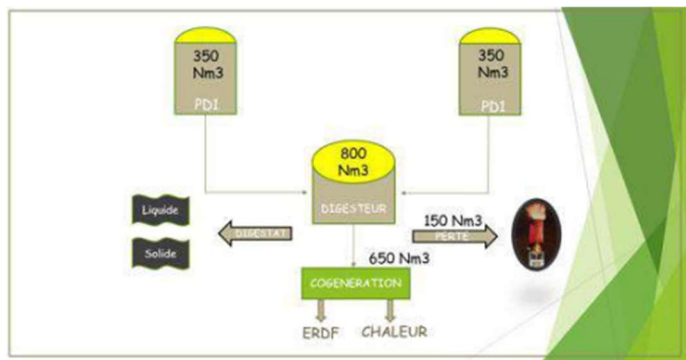
Production of renewable energy: METHELEC

This **methanation** unit consists of producing **Biogas** by treating our own farm's effluent and the waste from local food industry. This **Biogas** then optimised via a **cogeneration** unit which simultaneously produces electricity and heat.

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Veritable multi-energy site that is ecoresponsible replying to several environmental issues:

- Production of renewable origin electricity
- Optimisation of thermal energy to heat the livestock buildings and for the dehydration process



- Treatment and optimisation of farm effluent and the by-products of local food industry
- Reduction in the natural (farm) emissions of methane from effluent
- Substitution of chemical fertiliser for our crops by hygienic digestate
- Dehydration of sugar beet pulp

BIO VALO

With environmental sensitivity, BIO VALO enables our farm to improve its livestock-rearing techniques and to optimise our by-products. It allows us to improve:

- The rations that we feed to the livestock on our farm
- The methanation of our farm effluent.
- Incensing our livestock bedding
- It supports new products liable to be grown on our site in the future, such as:
 - Dietary insects
 - Microalgae

It's also a training organisation. We support businesses in the development of their abilities: from the creation to the operation of a unit.



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Dans la cadre de
#clermontinnovationweek Bio-valo
 accueille une délégation suédoise
 pour une collaboration européenne
 sur le développement du biogaz!!



Land, animals, machines and men...

- 19 full-time employees on the site to manage:
 - o the farm
 - o the methanation unit
 - o the administration
- the research and development etc.
- plus approximately 150 external firms who intervene, as required, to carry out maintenance on the buildings and equipment, biological analyses, transport, checking, supplies, accounts, legal, waste treatment, catering etc.

<https://youtu.be/c9M8kcAWv2E?feature=shared>