Coriance
L'ÉNERGIE VERTE
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Coriance & Mistral Semences :

Case n°9 : Seasonal seed drying with district heating in Pierrelatte

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Seasonal seed drying with district heating in Pierrelatte

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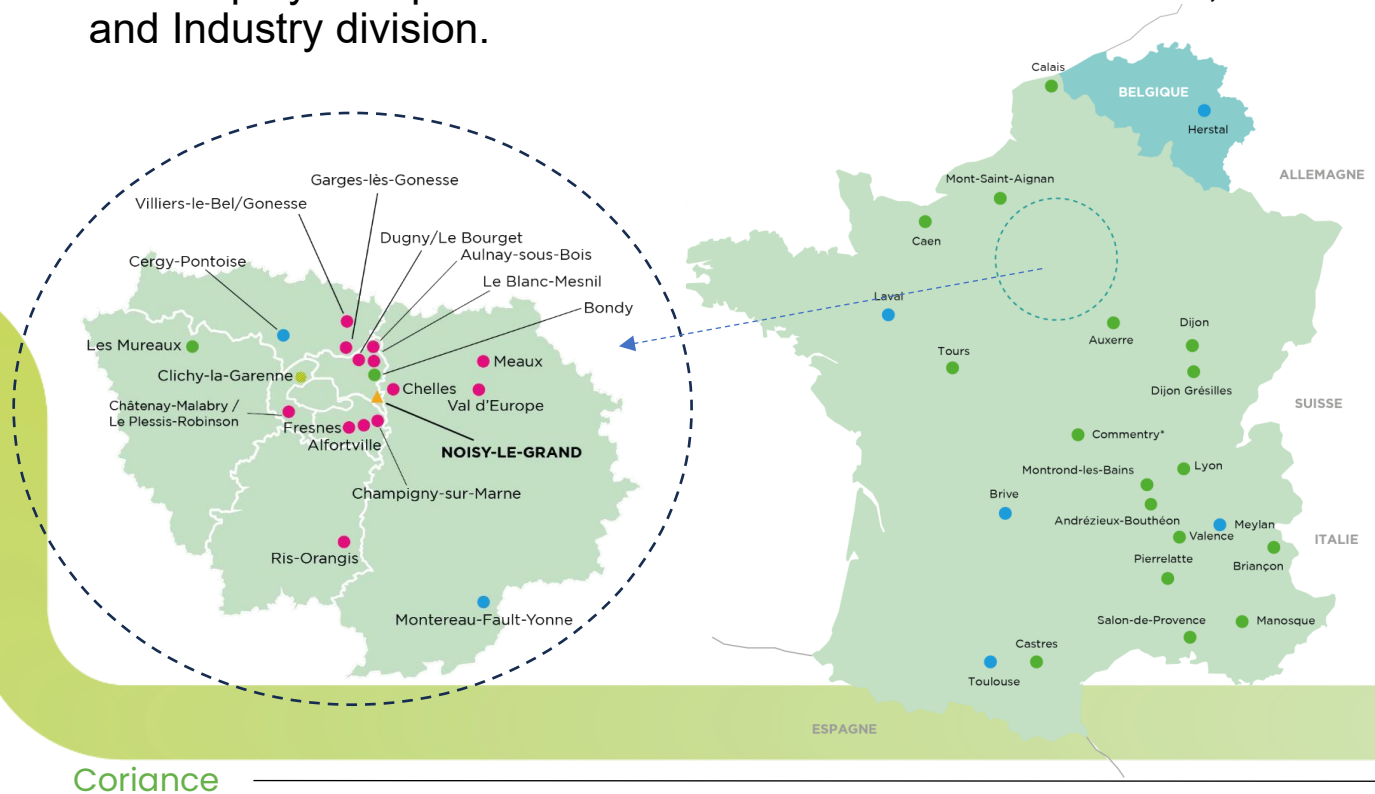
Coriance : Who are we?

OUR MISSION : SUPPORTING LOCAL AUTHORITIES AND INDUSTRIES IN THEIR ENERGY CONVERSION AND DECARBONIZATION

For 27 years, we have been building, developing, and operating **production units and heating and cooling networks** powered locally by renewable energy, to sustainably support communities and industrial clients in their energy transition.

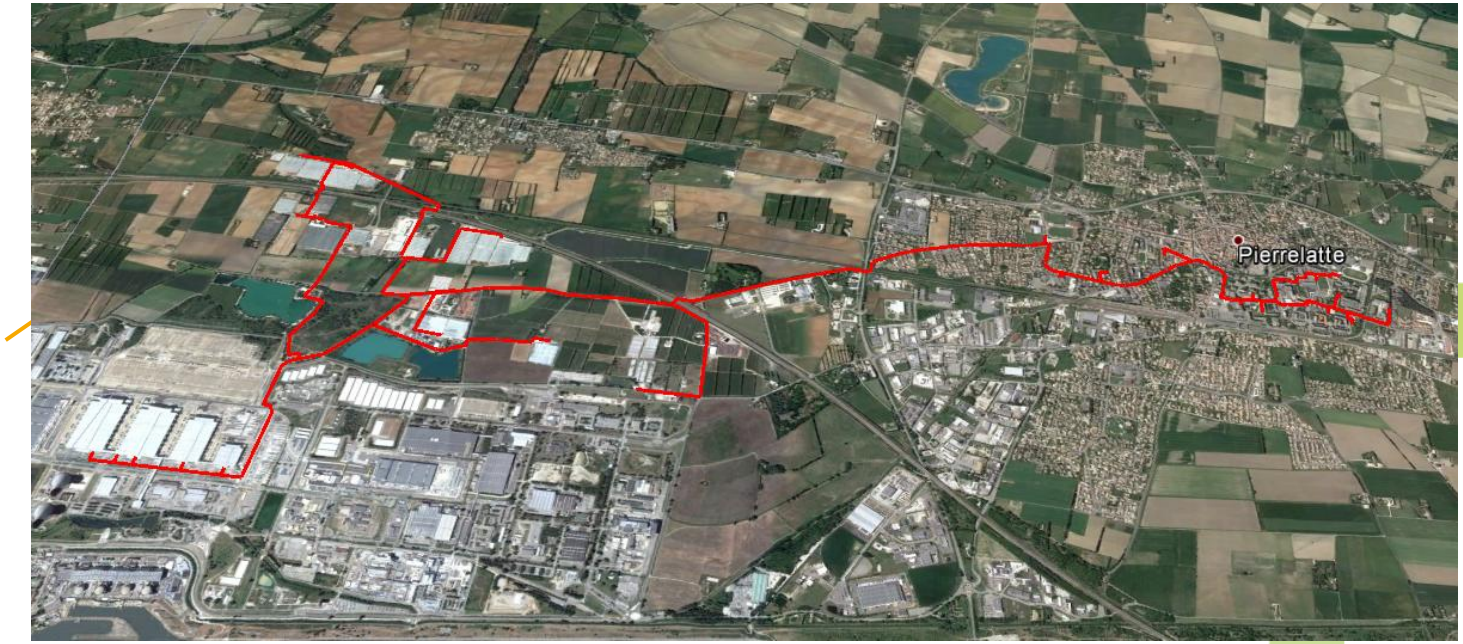
A HUMAN-SIZED COMPANY

550 employees spread across 4 divisions : South of France, Ile-de-France area and North-West , North-East and Belgium and Industry division.



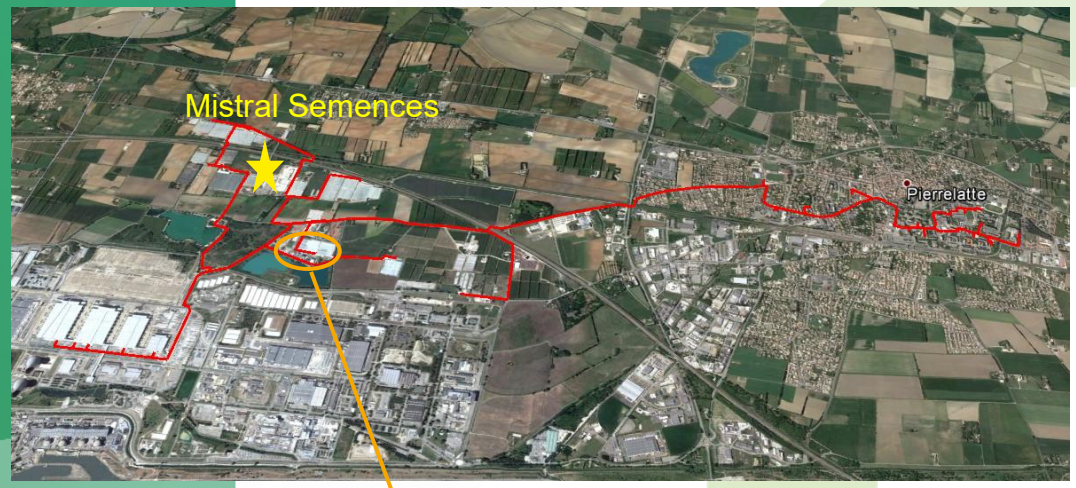
In Pierrelatte, Mistral Semences uses heat district

Pierrelatte heating network



In Pierrelatte, the heat district is powered by Coriance

- A minimum of **80%** of the energy supplied come from **biomass** combustion on the production site
- More than 80% of the wood supplies come from within a maximum radius of **80 km** around the town of Pierrelatte.

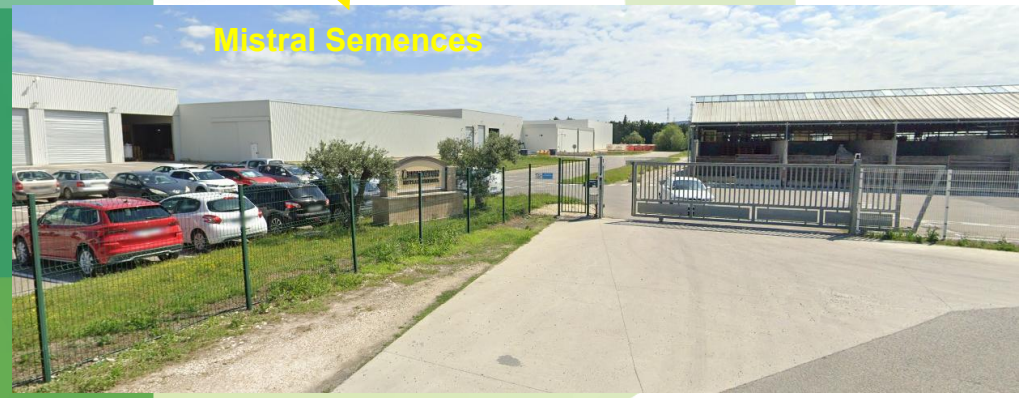


- Customers in the north of the city : housing, sports facilities and schools
- South of the city : agricultural greenhouses, offices ... and **Mistral Semences**

Mistral Semences uses the heat district powered by Coriance for seed drying

- Production and distribution of seeds
- 20 to 50 employees

- Seed drying from august to november
- **Dehydratation process** : from gas burner to water-to-air exchanger



Coriance and Mistral Semences : Seasonal seed drying with district heating in Pierrelatte

A success story

Connecting to the network :

→ **reduced emissions** : 875tCO2/year

Fuel oil: ≈ 260 kg CO_2/MWh

Natural gas: ≈ 202 kg CO_2/MWh

Biomass (wood): ≈ 0 kg CO_2/MWh (considered neutral in direct combustion, as the CO_2 emitted is assumed to be reabsorbed by plant growth)

→ **stabilized energy costs**

"Gas prices in Europe remain about 50% more volatile than their 10-year average." European Gas Hub

→ **supported local energy and job creation**.

"The biomass sector creates 3 to 4 times more jobs than fossil fuels, and these jobs cannot be outsourced." FEDENE

Initially planned for 10 years, **the contract has been extended** until 2032, marking the project's success.

Coriance and Mistral Semences : Seasonal seed drying with district heating in Pierrelatte

A win-win-win project

Coriance	Pierrelatte	Mistral Semences
• Densifies the network improving energy efficiency • Optimizes pipeline investment	• Ensuring job retention (industrial plant and biomass sector). • Contribution to the territory's decarbonization.	• Access to energy at a regulated price under a long term public service delegation • Local and decarbonized energy source

Industry and heating network, it's possible !

District heating networks has been a green solution for Mistral Semences requiring low-temperature energy

Think local !

Geographical proximity made easy to get in touch in our case.

For large industrial sites located further from networks, municipalities have a role to play in facilitating communication.

Local synergies can continue beyond heat

A potential solution for capturing CO2 from biomass combustion emissions to fuel greenhouses

And what if another industry needs steam tomorrow?

For steam energy requirements, a technological component can be added, such as a very high-temperature heat pump, to achieve the desired temperature and pressure levels (depending the technical specifications). (Case n°1)

→ Viewpoint of an industrial site: ARLA, represented by Lise Christiansen, Denmark, case n°4

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Thank you for your attention

Coriance

Pour plus d'informations

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