



SUSTAINABLE
ENERGY WEEK

An initiative
of the  European
Commission

Interreg 
EUROPEAN UNION
2 Seas Mers Zeeën
SOLARISE

European Regional Development Fund



Low-carbon
technologies

Ville de Fourmies

3 pilot installations on municipal buildings

TOTAL PROJECT
BUDGET:

4.35 M €

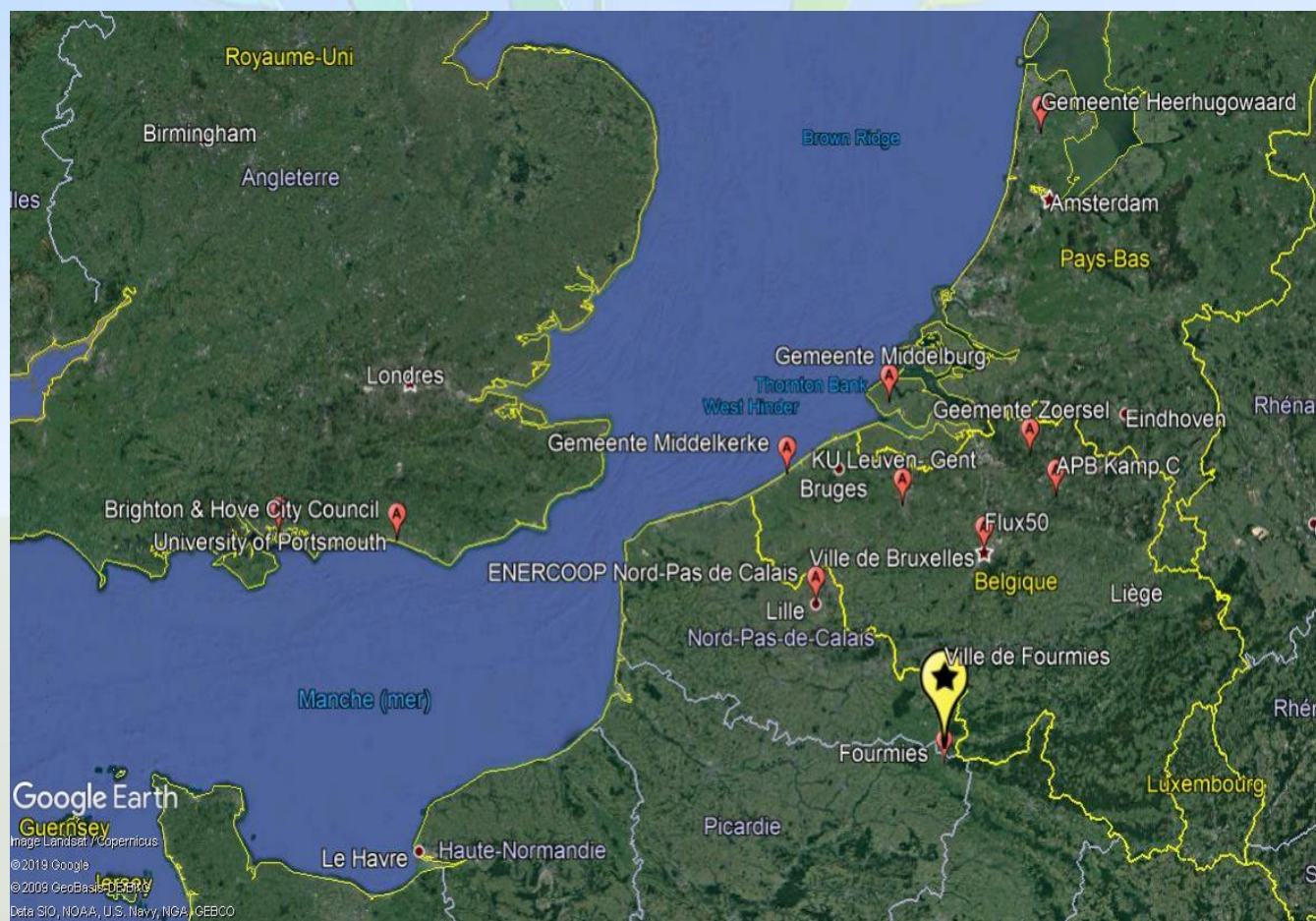
INCLUDING AN
ERDF BUDGET OF:

2.61 M €

Live Pitch – Webinar EUSEW – 25 June 2020

www.interregsolarise.eu

Where is Fourmies?



Location : North France, Nord (59), France

Population : 12 600 habitants

Area : 23km²

Energy Security and Fourmies



~23 M€ spent every year in the city for energy (50% is paid by the citizens)



240 GWh of end use energy used every year (national average)



39% of households spend more than 15% of their income on energy (household energy + fuel)



50% of houses built before 1950



Widespread social, economic and energy disparity

Third Industrial Revolution

Since 2014, the city has implicated itself in energy independence by the through the widespread uptake of renewable and low carbon energy technologies and strategies.

A collective decision was taken to reduce 60% of energy consumptions and develop 100% renewable energies by 2050.

This will help to bridge the social and energy disparity among the inhabitants and push us towards the third industrial revolution through mass participations, co-decisions & co-creation.

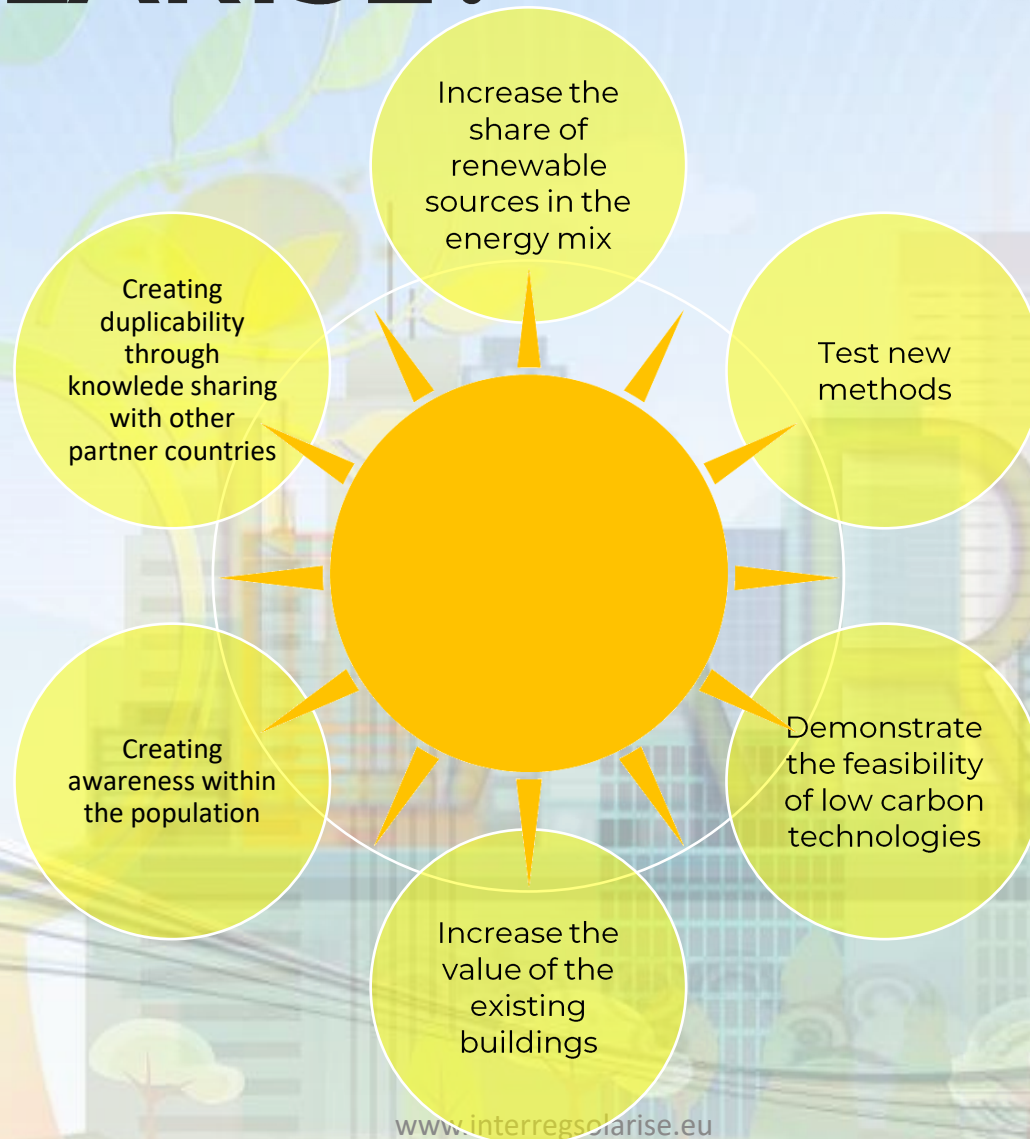
Why SOLARISE?



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Interesting Facts

- The sport complexes were built in the year:
 - Gymnase Léo Lagrange in 1971
 - Gymnase Marie-José Pérec in 1989
- One of the first 35 installations of collective consumption in the country
- ~200kWc of solar installation in total
- Demonstrating the feasibility of solar projects through the return on investment of <10 years including the studies, installations, reinforcements
- Installations on educational/institutional buildings preferred to increase awareness
- Installations to serve the municipal buildings with 100% collective consumption
- The **first campaign** of crowd-lending in the Hauts de France Region, a wonderful opportunity to create awareness with 60 inhabitants raising 48k€
- The **second campaign** of crowd-lending for the city of Fourmies is currently in place to collect 58k€. We have already had 53k€ collected through 111 participants in 8 days.

Our Involvement

The installation of 3 roof-top solar power plants

Total re-injection

Collective Consumption



Ecole ARAGON (96kWc)

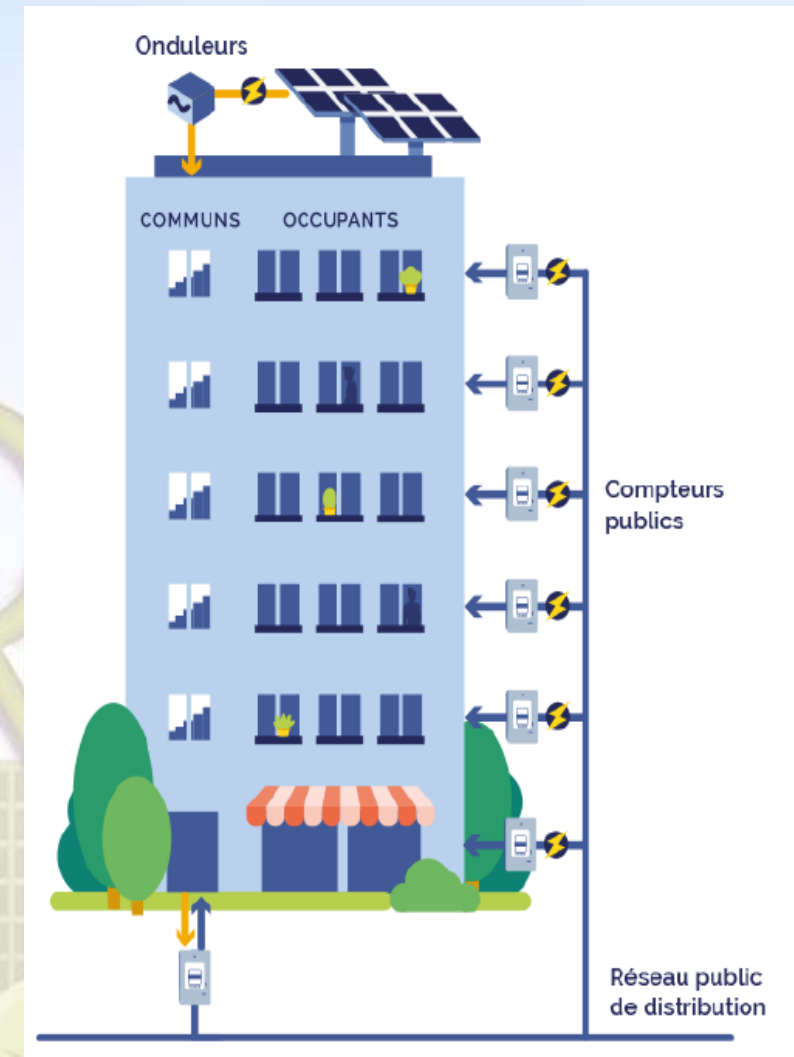
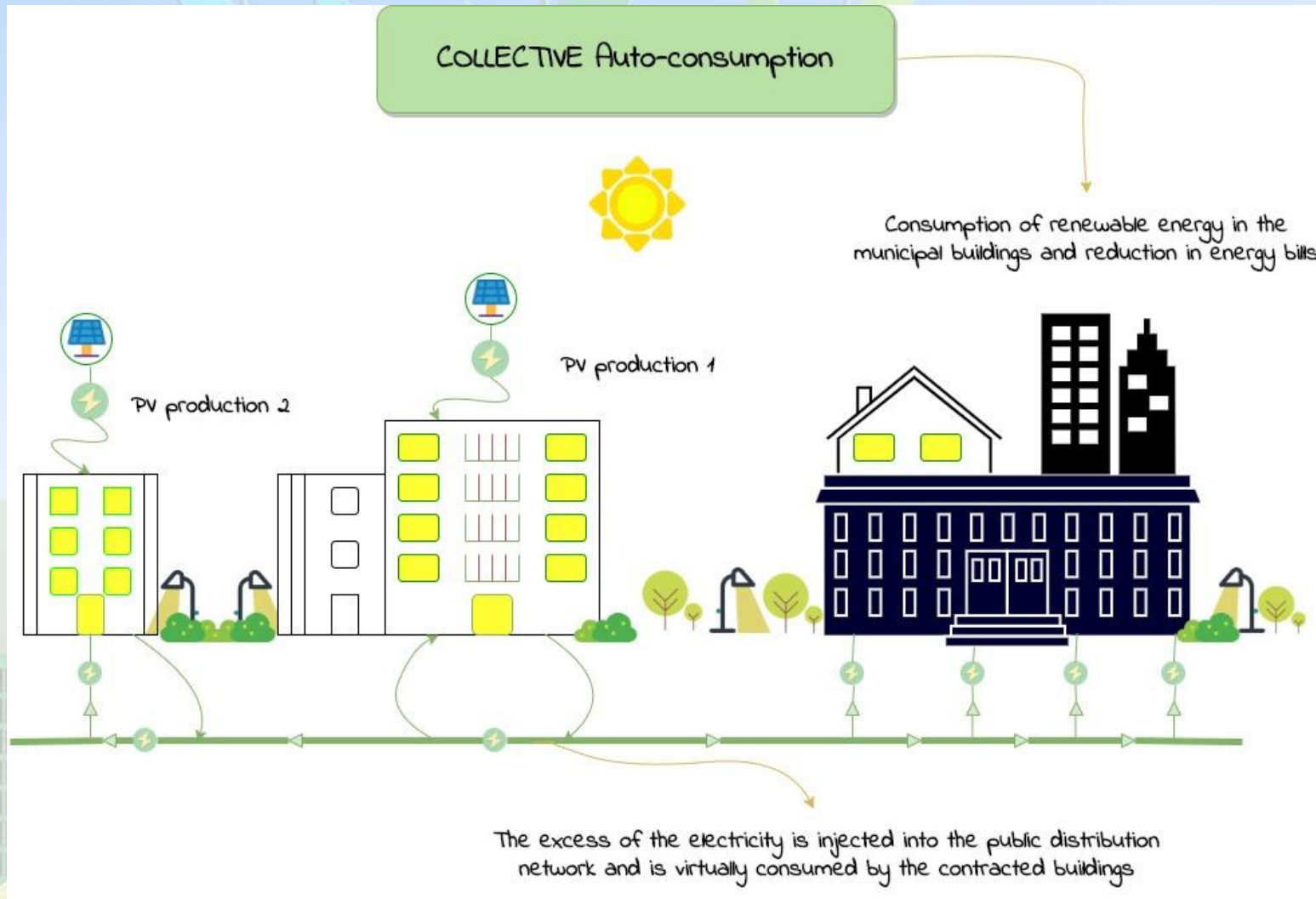


Gymnase Marie-José Pérec
(38kWc)



Gymnase Léo Lagrange
(66kWc)

Collective Consumption



Things learned and to be learned

The structural integrity and adaptability of the old buildings is very important

The end of life process of the solar power plant

The administrative and social constraints related to solar uptake

Choice of good model of consumption of RE



What we get out of the project?

- A yearly economy of ~15k€ on the monthly electricity bills
- A revenue of ~10k€ through resale of electricity
- The opportunity of direct public involvement through crowd-lending
- Inciting other public and private organisations for the operation of crowd-lending in the region Hauts-de-France (We were the first!)
- Creating awareness for the upcoming generations
- Creating solar uptake for the nearby cities, associated partners and inhabitants by demonstrating a feasible project
- Development of economic and technical know-how in the region through the exigence of innovation

Some photos for your memory



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