



Interreg



2 Seas Mers Zeeën SOLARISE

European Regional Development Fund



Low-carbon
technologies

TOTAL PROJECT
BUDGET:

4.35 M €

INCLUDING AN
ERDF BUDGET OF:

2.61 M €

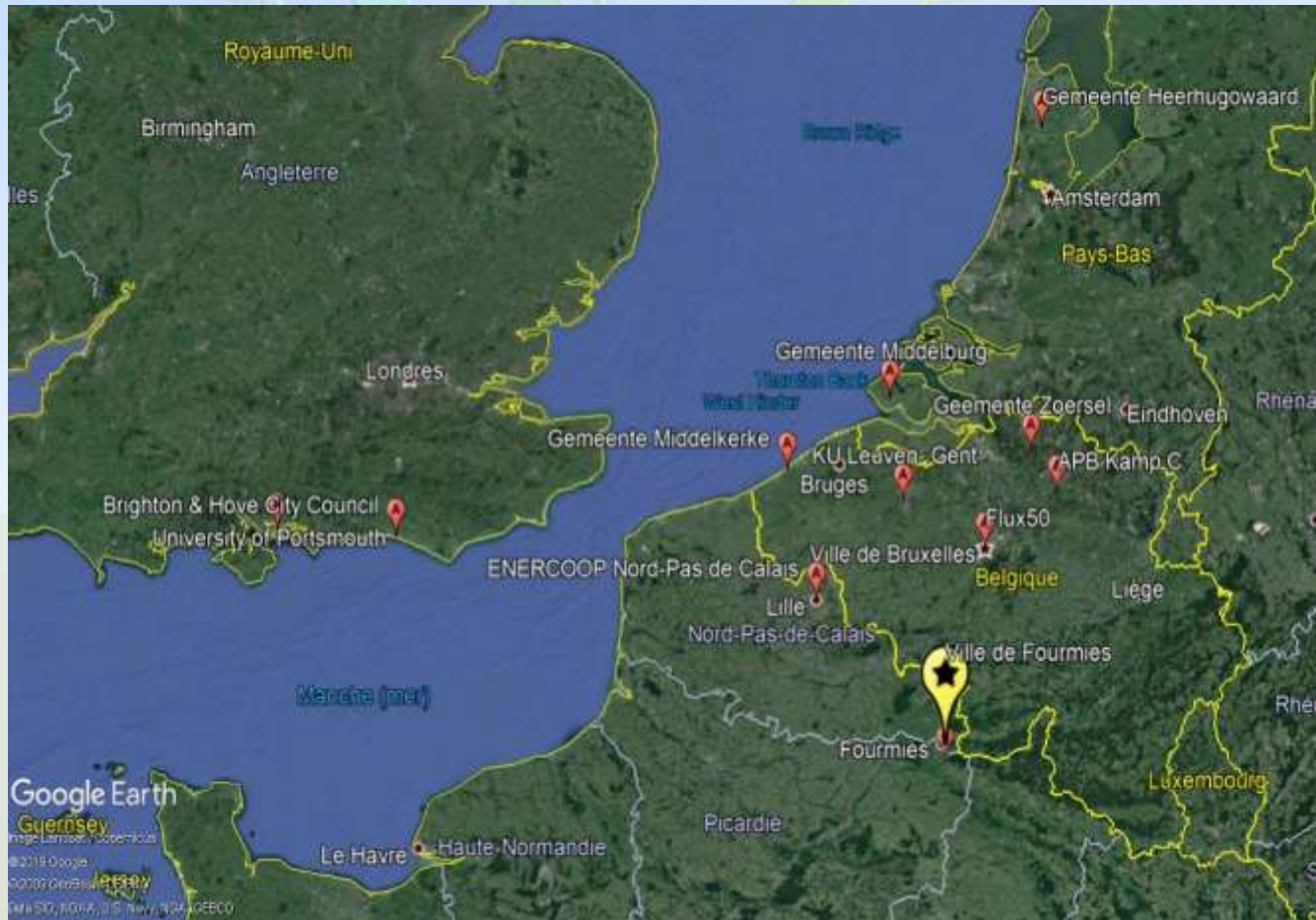
Ville de Fourmies

3 PV installations on municipal buildings

Consortium Event – 10/02/2020 – Middelkerke

www.interregsolarise.eu

Where is Fourmies?



Location : North France, Nord (59), France

Population : 12 533 habitants

Area : 23km²

Energy Security and Fourmies



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



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



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



Consumer public lighting, **cost per inhabitant twice** the national average.

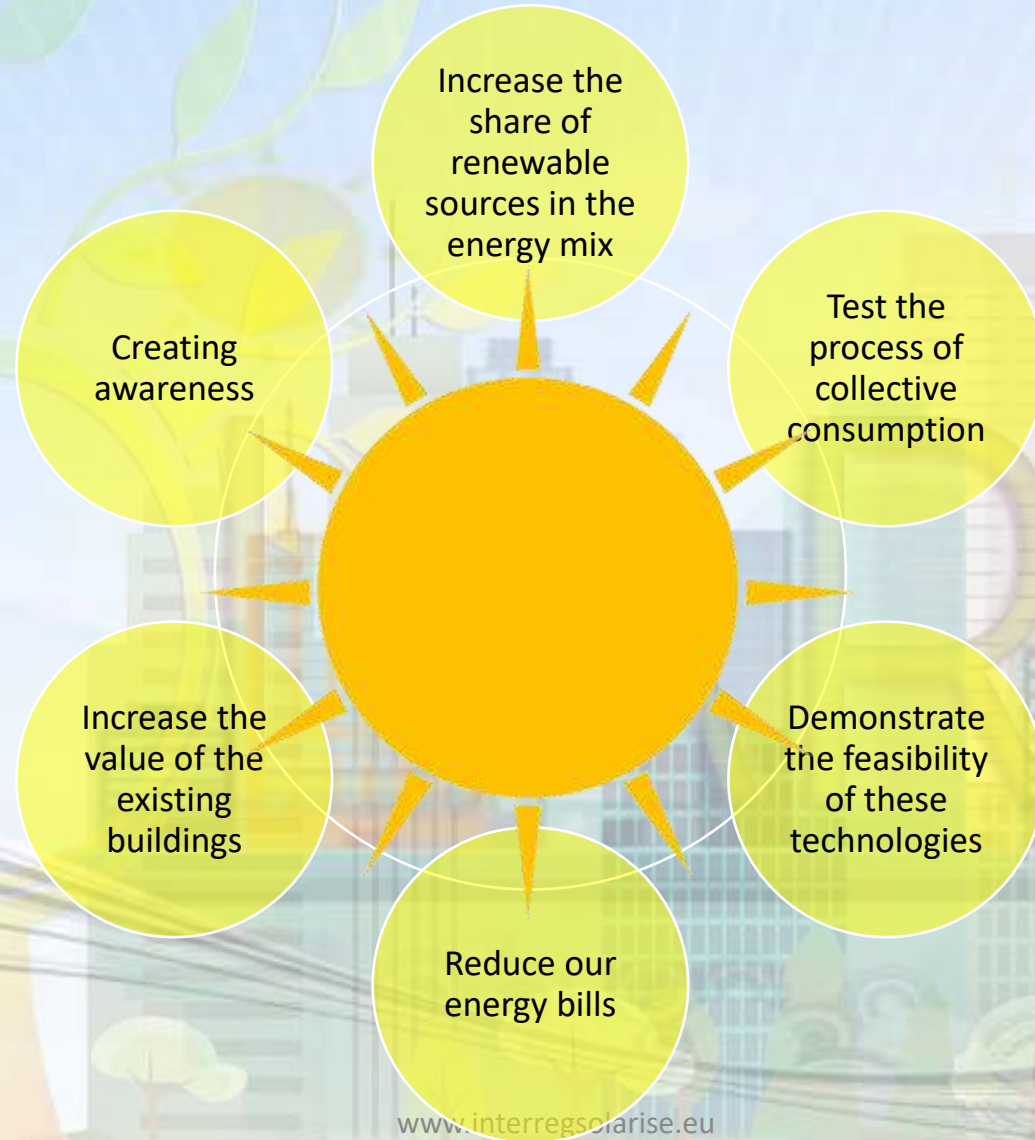


50% of houses built before 1950



10% of the territory's consumption by industries, **75%** of which is electricity.

Why SOLARISE?



Our Involvement

The installation of 3 roof-top solar power plants

Total re-injection

Collective Consumption



Ecole ARAGON (96kWc)



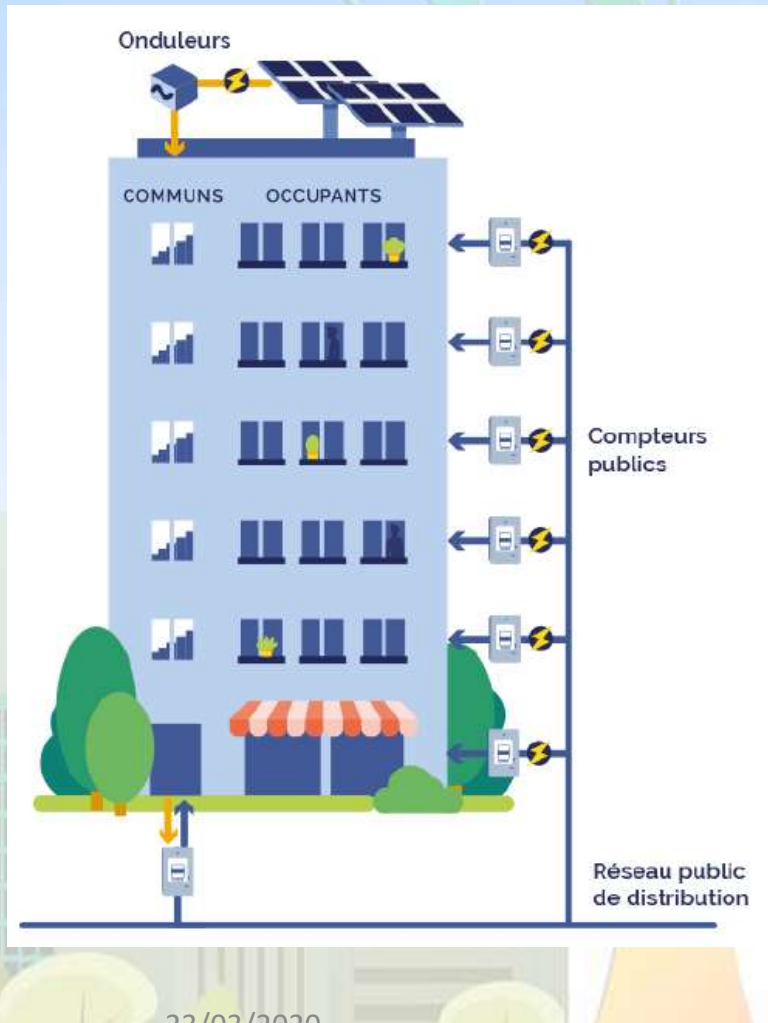
Gymnase Marie-José Pérec
(38kWc)



Gymnase Léo Lagrange
(66kWc)



Collective Consumption



Production 1

Individuel consommation

Production 2

Individuel consommation

Surplus production

Guarantee of network stability

Electric distribution network

Consumer 1

Consumer 2

Consumer n

Possibility of sale of excess or free access

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 27 installations of collective consumption in the country
- ~200kWc of solar installation in total
- The global return on investment is <10 years including the studies, installations, re-inforcements
- Installations on educational/institutional buildings preferred to increase awareness
- Installations to serve the municipal buildings with 100% collective consumption
- The first operation of crowd-lending in the Hauts de France Region, a wonderful opportunity to create awareness with 60 inhabitants raising 48k€

Points of VIGILANCE?



What we get out of the project?

- A yearly economy of ~23k€ on the monthly electricity bills
- A great ROI in the project (thanks to the subsidy!) and the possibility to try the aspect of collective consumption
- The opportunity to try crowd-lending for one of the output project
- A project which will return >200% its investment throughout the life cycle of the project
- Creating awareness for the upcoming generations
- Creating solar uptake for the nearby cities, associated partners and habitants by demonstrating a feasible project