

ENERGY POVERTY 0

ACTIVITY REPORT

November 2022 – April 2024



ENERGY POVERTY ZERO
PROJECT'S OBJECTIVE:

**« Supporting progress towards
deep energy retrofit in districts,
scaling up to fight energy poverty »**

A consortium of 8 European Partners

Energy Poverty Zero is a project carried out by a consortium of eight public and private European actors, experts in consultancy and social and environmental innovation, and committed to renovation issues, from November 2022 to October 2025.



Innovative strategy consulting for buildings



End-user centred innovation consultancy



Accompaniment in ecological transition of housing for groups of actors



Joint venture in third-party financing, energy renovation works and renewable energy projects in the Bordeaux metropolitan area



Municipality of Milan, with its social housing operator



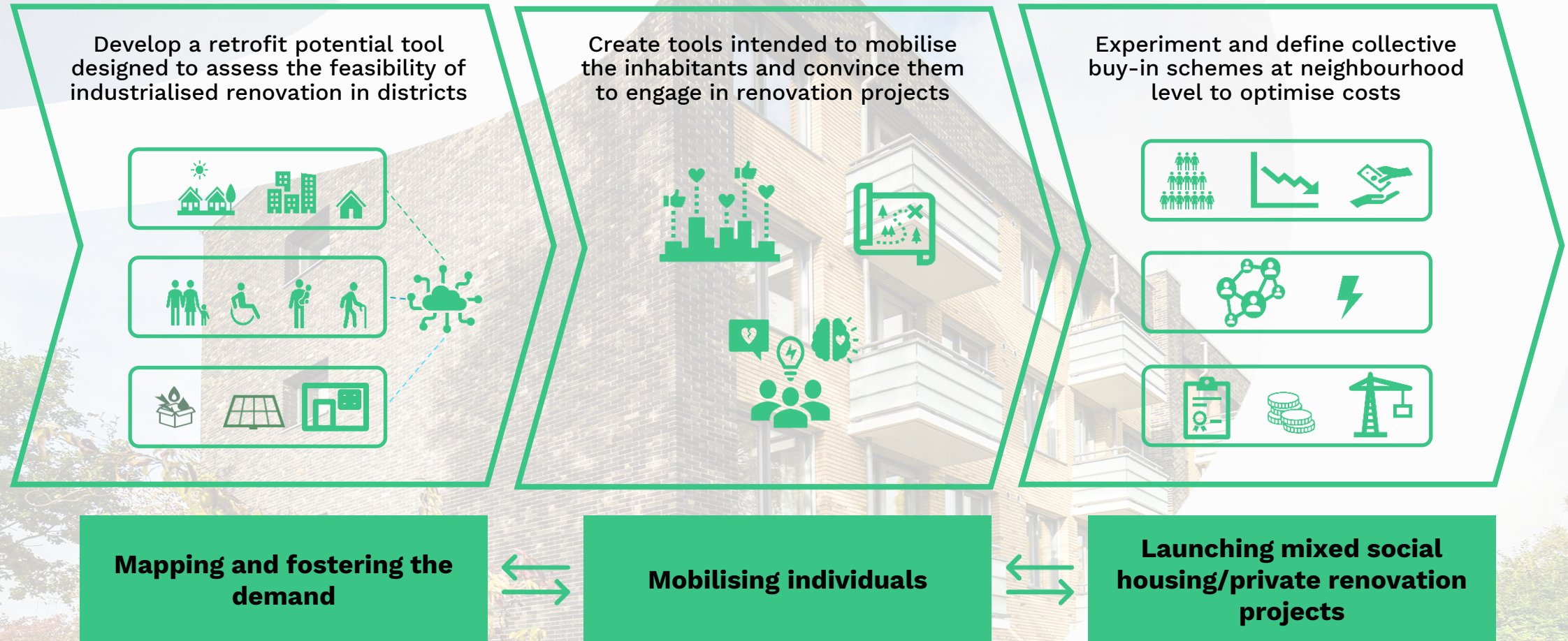
Corporate foundation of the Italian gas grid operator, dedicated to energy poverty issues



Advice on the implementation of innovations



A project conducted along 3 axes



Reaching out to stakeholders for them to **co-design, test and learn**

Directed at municipalities, social housing associations and other actors of the housing sector, a call for applications to a free accompaniment oriented around 3 topics has been launched in France. Its purpose is to identify neighbourhoods where pilot projects could be implemented.



Analyse the feasibility

Validate the technical feasibility of industrialised renovation

EnergieSprong team:

about 2 man-days

Candidate:

a few exchanges, transmission of data

- 12 municipalities and organisations interviewed to collect expectations and needs on the tool
- 5 feasibility studies conducted

Engage inhabitants

Co-create activities to engage inhabitants in group purchase of renovation

EnergieSprong team:

about 5 man-days

Candidate:

co-construction and co-animation of activities



- Ecosystem mapping conducted on 5 municipalities in France and 1 in Italy
- Deployment of the Retrofit Fresco in 2 neighbourhoods in Bordeaux



Frame the group purchase of renovation

Co-construct the contractual and financial framework

EnergieSprong team:

about 3 man-days

Candidate:

engage in a project of group renovation

- 8 collective projects studied in France and Europe (local initiatives, communities and companies)

Developing a tool to target **the right buildings** and **increase volume** of retrofits

The Retrofit Potential Tool is meant to help municipalities and housing organisations assess the potential of districts for industrialised renovation

What it allows to date:

- ✓ Analyse the current state of a district
(year of construction, geometry, energy demand (kWh/m²y) and CO₂ emissions (kg/m²y))
- ✓ Evaluate the vulnerability of areas

What it will allow:

- ☐ Deliver retrofit scenarios with several retrofit levels
- ☐ Provide a repository of prefabricated retrofit solutions
- ☐ Provide an analysis of the cost and environmental impact of each retrofit solution

Developing a tool to target **the right building** and **increase volume** of retrofits



Discover the first version of the ICT tool in this educational video !

Mobilise inhabitants to engage in renovation projects

Neighbourhood Energy Compass (NEC)

The NEC is a guideline designed to get municipalities, housing organisations and other professionals dealing with inhabitants, ready to engage inhabitants in a movement to buy home retrofits collectively. Its main objective is to motivate and involve tenants and homeowners to participate in energy retrofit projects.

The NEC establishes 5 phases to engage in collective retrofits:

KICK-OFF OF THE OVERALL PROJECT

Analyse neighbourhood context and first engagement of residents

PREPARE FOR ENGAGEMENT

Involve inhabitants in neighbourhood activities to foster later engagement in energy retrofit operations

ENGAGE FOR ACTION

In preparation of the intervention launch, to achieve approval for the energy retrofit

SUPPORT DURING RENOVATION

Reduce the nuisance caused by the intervention for the inhabitants throughout the project

SUSTAIN BEHAVIOUR

Monitor, support and maintain good practices after the retrofitting intervention

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tools and activities are provided to frame and successfully conduct each phase of a project.

Examples of tools and activities

Video game

Aimed at **raising awareness about energy retrofit**

- Show the participants the importance of renovating their houses
- Allow players to experiment with the key steps of a renovation project
- Highlight the benefits of grouping the renovations in a neighbourhood
- Inform about financial mechanisms and traps to avoid
- Be a collective experience which connects groups around a common project

Energy Retrofit Fresco

Intended to sensitise inhabitants to the risks and consequences of energy poverty and the benefits of energy retrofit



Questionnaire on energy vulnerability

Allows to map residents' vulnerability in the neighbourhood by collecting information on apartments and identifying those in poor condition

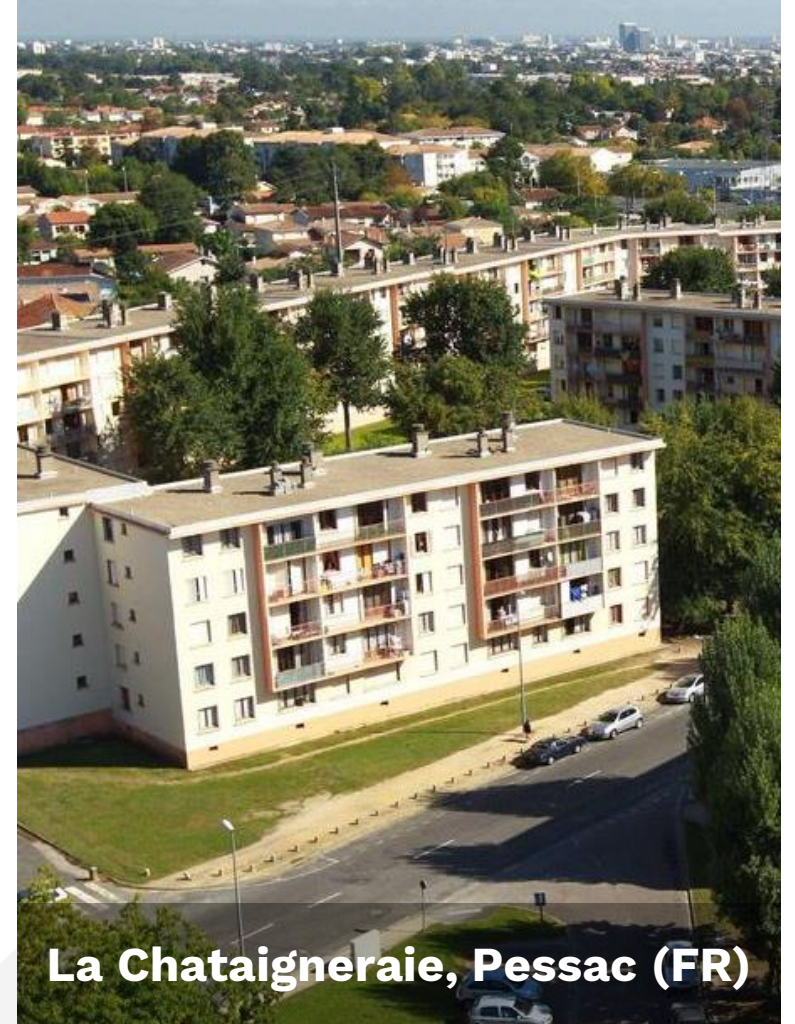
3 pilot sites to implement the project



Corvetto, Milan (IT)



La Benaige, Bordeaux (FR)



La Chataigneraie, Pessac (FR)

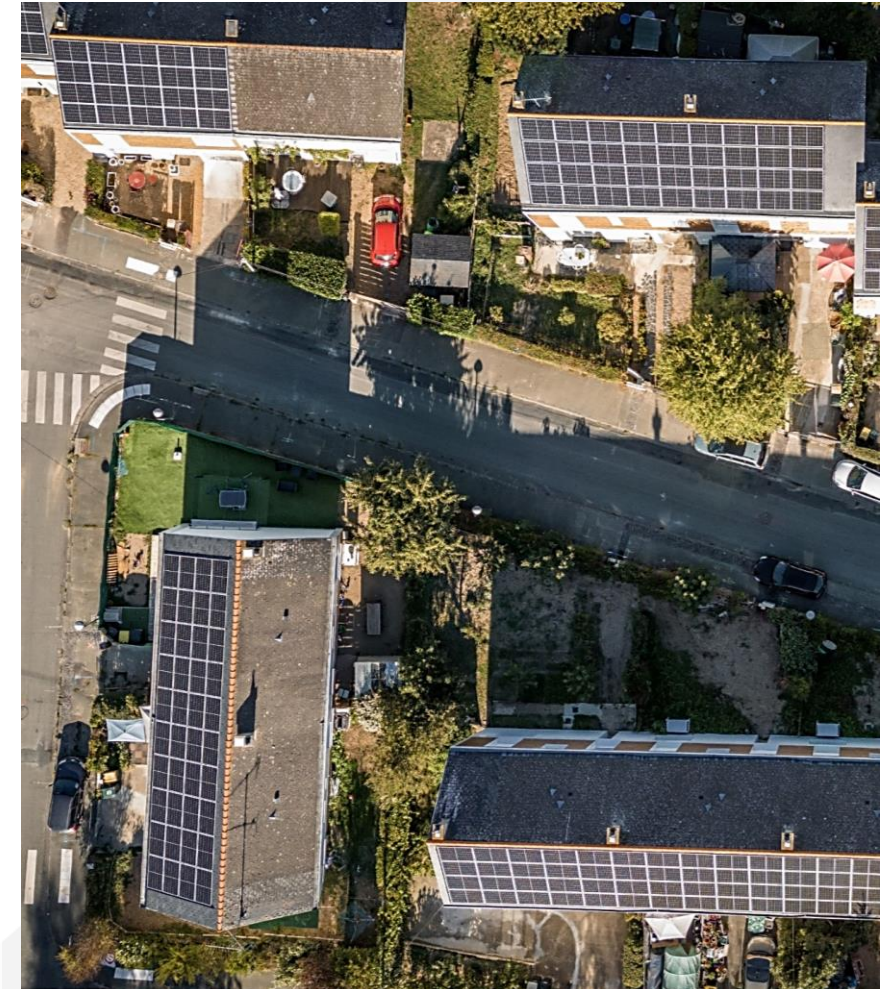
And more to come thanks to the launch of a Call for Expressions of Interest !

The 10 commandments for collective retrofit buy-in schemes

Ground rules have emerged after inspiring projects were led by pioneer organisations in Europe.

Although there is no one-size-fits-all solution to engage in group energy retrofit, these are guidelines that should be followed to properly conduct such projects.

1. You shall find the right people rather than the perfect homes to start such a movement
2. You shall get local authority blessing for the initiative and audit homes with the same method
3. You shall remember that volume matters to lower prices, but it is also smart to launch different waves
4. Easy access to grants and dedicated subsidies is powerful and public service alignment is key
5. You shall set a clear calendar and leave a way out to be more convincing
6. You shall not forget to support the offer to get ready to face such new grouped demand
7. You shall set projects with existing communities of trust to make things easier to roll over
8. You shall bear in mind that doing things in a stepped way is fine, some seeds will grow later
9. Clarity of the profile in project leadership matters, and easy replicable cooperative models work well
10. You shall try not to be boring or technical to make it happen, it is key to win heart and mind



Over the first phase of the Energy Poverty 0 project, our mission has become much more than a simple declaration: it has become an active pursuit, marked by successes and momentum, so that we can speed up the energy renovation of as many precarious homes as possible

The aim for the remainder of the project is to build on the efforts initiated by all the project partners, in order to develop a set of tools tailored to the needs of the ecosystem, local authorities and residents. By building on the initial results obtained, on the community of pioneering neighbourhoods that have joined the Energy Poverty 0 movement, and on emerging initiatives in France and Europe, we will be in a position to make a valuable contribution to the building of housing renovation, an essential lever in the fight against precariousness and the impact of climate change. Join the EnergieSprong movement!



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