



Direction Constructions Publiques et Architecture



A photovoltaic project carried out with a citizen collective

Mobilize Paris' inhabitants to accelerate energy transition



The project outset



Paris Climate Action Plan

- A carbon-neutral city powered entirely by renewable energy by 2050
- 20% of roofs in Paris equipped with solar power units by 2050
- Parisians citizens are encouraged to participate in the production of renewable energy

Paris' Participatory Budget in 2016

- 14 registered projects about renewable energy combined into one
- Several project leaders came together in a collective called EnerCit'if
- An expression of their interest to install solar panels on Paris' roofs

EnerCit'if

- A Parisian and citizen collective for renewable energy
- Raising awareness among Parisians is also one of their objectives
- EnerCit'if became a project company to implement photovoltaic panels

The political commitment

- Paris is aware of the need to tackle climate change since 2004 and its first Climate Action Plan

“ In this ongoing race against time, the cities of the world have a key role to play.”

- Extract of Paris' Climate Action Plan

- A strong political support makes renewable energy projects easier

“ This project designed by the Parisians is a new step towards achieving 20% local renewable energies by 2050. ”

- Anne Hidalgo

“ The energy transition is progressing in Paris! Carried by citizens, this solar power plant produces green electricity opposite the Eiffel Tower. ”

- Dan Lert

**Anne Hidalgo, Mayor of Paris,
and local elected officials
visiting photovoltaic projects**



*At a middle school
in the 19th district*



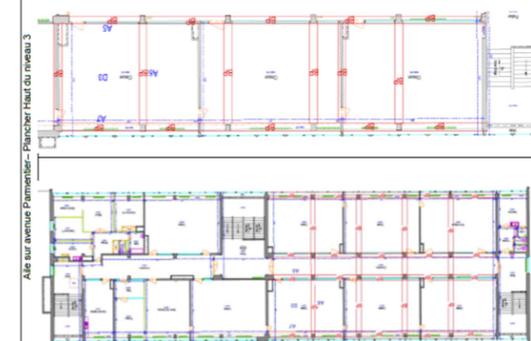
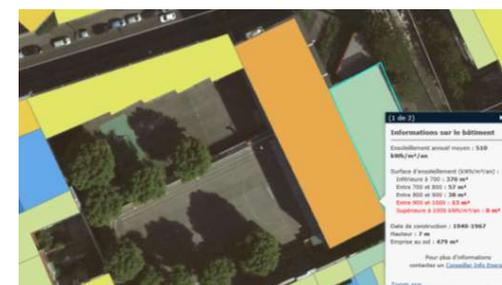
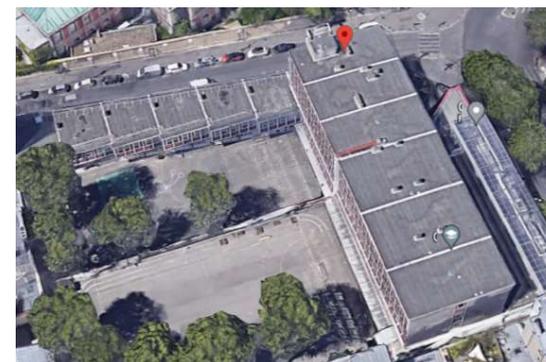
*At a sports center
in the 15th district*

The role of City of Paris' services

- To **provide** the solar cadaster of the city
- To **identify** roofs with solar potential • To **check** technical feasibility and carry out preparatory work
- To **ensure** competition between interested candidates and to chose the winner
- To **draw up** the contract
- To **support** the project holder on administrative, technical and organizational aspects

Paris' services also organize the annual participatory budget which can make it possible to finance support for small-scale projects.

Feasibility studies carried by Paris' technical teams



*For a school
in the 10th district*

The key figures of the project

- EnerCit'If implements projects on **15 roofs**:
9 public buildings roofs + 6 social housing roofs
- EnerCit'if and Paris sign an **agreement** granting temporary occupation of public domain for 9 roofs and 22 years, with an annual fee
- Total power is **516 kWp**
- CAPEX is **820 000 €** (1,59 €/Wp), including an investment subsidy from Paris' participatory budget
- Expected energy production is **465 MWh/y**, equivalent to the consumption of **200 households**

Completed projects in
18th, 19th and 20th districts



A double-hatted citizen collective

EnerCit'if carries out the photovoltaic project as the **project owner**.

As reducing energy consumption remains a priority, EnerCit'if, as an association, also plays a role in **raising citizens' awareness**.

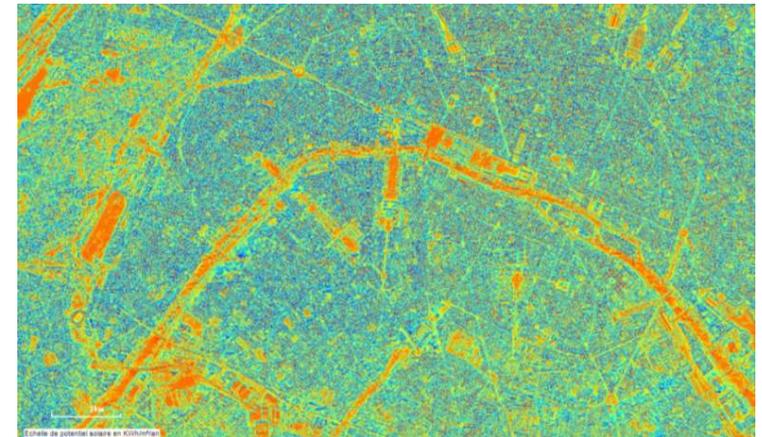
- **320** investor associates in the collective
- **60** active members working as volunteers on projects
- **EnerCit'if Wednesdays**, time for discussion on selected topics
- **Sessions** with pupils and students: science class intervention on solar technology, participation in Career Forums, initiation to citizenship...



What's next ?

- **Replicate and upscale this innovative project with « *Energieculteurs* » program**
 - > Finding better opportunities on public roofs
 - > Taking on partners to increase the number of roofs
- **Continue to raise Paris citizens awareness on climate change**
 - > Finding a way to foster citizen collectives in photovoltaic projects
 - > Opening Paris Climate Academy in september 2021

On our way to reach the target of 20% of solar roofs and carbon neutrality in Paris by 2050...



Solar cadaster of Paris



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Thank you for your attention !

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