

# We enjoy a good climate at school

We are providing air conditioning to 170 schools in the city thanks to solar energy

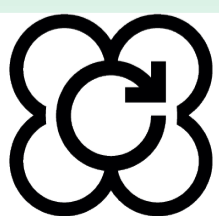
The project is covering 170 schools:

- 148 primary schools
- 16 primary and secondary schools
- 2 special-needs schools run by the city
- 3 secondary schools
- By the time the plan is completed, all the public early childhood and primary schools in Barcelona will be air conditioned
- For more sustainable, ecological, healthy and comfortable education
- We're installing 181,000 m<sup>2</sup> of photovoltaic panels
- We're going to generate 31.27 Gwh/year of electrical power for the schools and the city

Schools are particularly liable to suffering from the effects of climate change, with thermal conditions depending on the time of year that affect instructional activities, comfort and health in these spaces of learning and peaceful coexistence.

The Barcelona School Climate Plan is going to operate in 170 facilities to make the renovations needed to guarantee that the classrooms are properly ventilated and air conditioned.

Actions are planned until 2029 that will not only improve the day-to-day lives of 55,519 students but will also expand the pathways of the city's ecological transition through photovoltaic energy and the decarbonisation of educational facilities.



Finançat amb  
impost turístic



**Consorci d'Educació  
de Barcelona**  
Generalitat de Catalunya  
Ajuntament de Barcelona



**Ajuntament de  
Barcelona**

The Barcelona City Council is financing this plan with the funds raised from the surcharge on the tourist tax, and it will be implemented by the the Barcelona Education Consortium.

## WHAT PROJECTS ARE PLANNED?

Air conditioning and air renewal systems will be installed, in addition to photovoltaic panels to operate them via remote control.

Preparatory work will be undertaken before that, depending on the situation at each school, such as checking on the roof and/or waterproofing.

## WHAT IMPROVEMENTS WILL THIS BRING TO THE SCHOOLS?

- The energy cycle will be more sustainable.
- The indoor air quality will become compliant with the current standards (HS-3 CTE).
- The spaces will be more comfortable in both the cold and hot months.

## WHAT IS THE PROJECT'S CALENDAR?

- The process has been divided into two main phases:
- First phase (2024-2026) at a total of 84 schools prioritised by technical criteria of need and technical feasibility.
- Second phase (2027-2029) in the other 86 schools.

## HOW WILL THE CONSTRUCTION IMPACT EVERYDAY LIFE AT THE SCHOOLS?

Construction will be done during December (Christmas) and the summer holidays (July and August) in order not to interfere with the school calendar.

In cases where the installation takes longer than the holidays due to its complexity, work will be done outside school hours.

## A Plan for schools. A Plan for the city.

More information at  
[barcelona.cat/pla-clima-escola](https://barcelona.cat/pla-clima-escola)