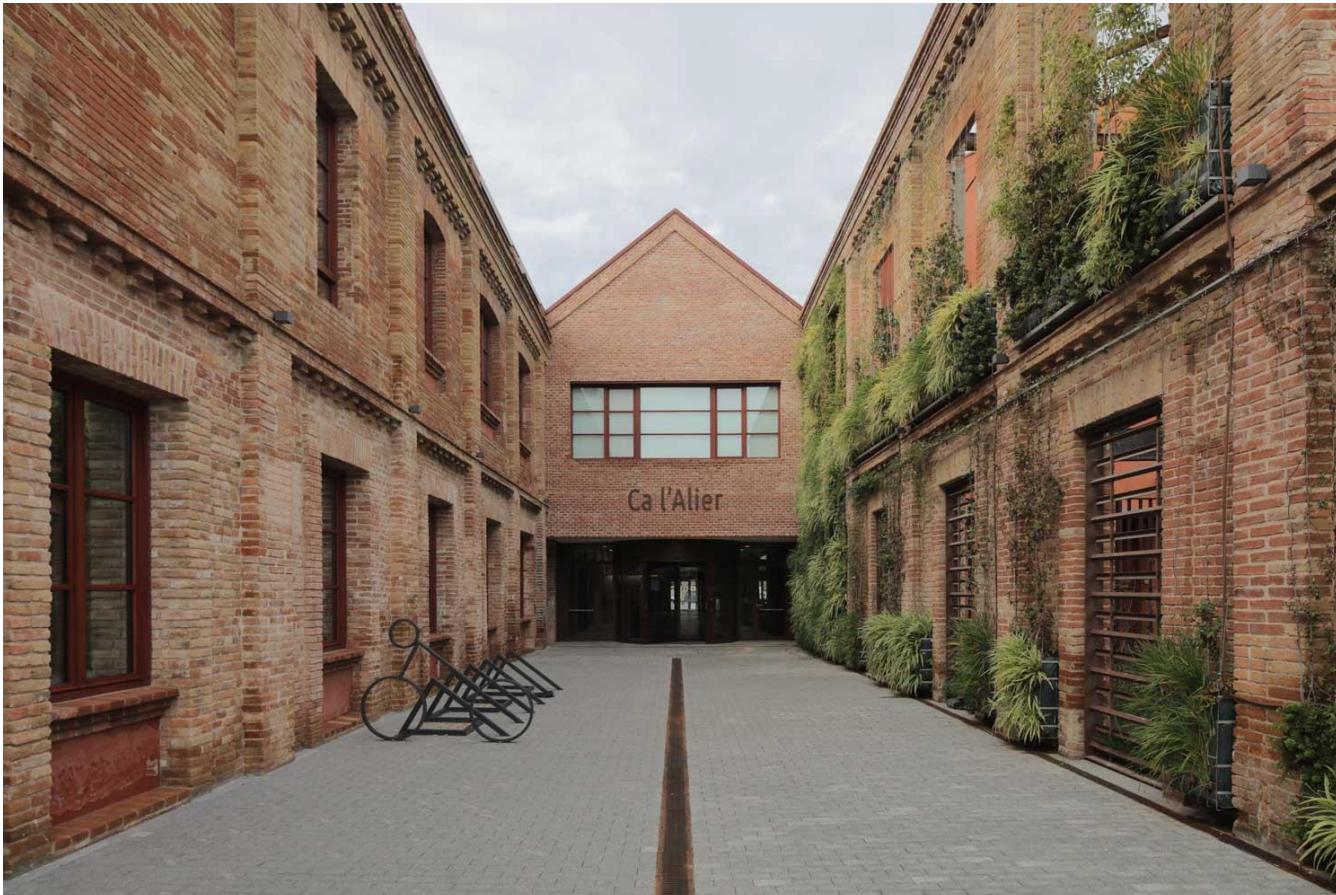


# SYNERGIES OF DECARBONIZATION AND DIGITAL TECHNOLOGY

Zero Carbon International Forum - 1<sup>st</sup> march 2023

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# CA L'ALIER, URBAN INNOVATION CENTRE



# BIT HABITAT - BOOSTING URBAN INNOVATION

BIT Habitat is a municipal foundation that works to promote **urban innovation** in Barcelona in different dimensions

**Social**

**Economical**

**Technological**

**Environmental**

(...)

through **collaboration** between

**Business**

**Academy**

**Society**

**Administration**

**Media**

through **local / international** scope

In order to...

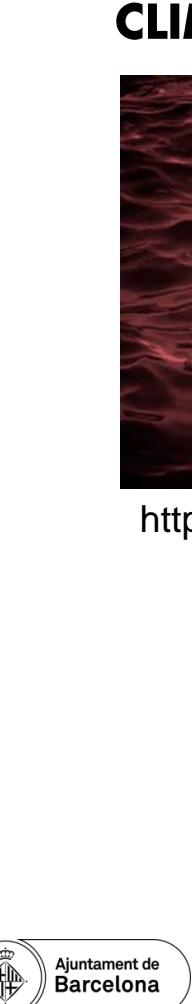
... address the different **urban challenges** that the city has to face

... have a **safer** city, more **resilient** and **sustainable** and to improve the **quality of life** of citizens

# CLIMATE EMERGENCY STATEMENT AND BARCELONA ACTION PLANS



<https://www.barcelona.cat/emergenciaclimatica/en>



# NET ZERO CITIES



<https://netzerocities.eu/>

IN  
BARCELONA  
OVA

# CA L'ALIER – SMART BUILDING



- **Building Management System (BMS)**
- **Reuse of grey water and rainwater**
- **Babylon wall**
- **Pneumatic waste collection**
- **Connection to the city's District Heating and Cooling Network**
- **Solar panels**
- **Acoustic comfort**
- **Efficient lighting systems**
- **Efficient elevators**
- **Reuse of construction materials**
- **Sustainable building materials (wood)**

<https://bithabitat.barcelona/ca-lalier/>



Ca l'Alier:  
First renovated building to  
achieve this certification

# PUBLIC FABLAB NET



<https://ajuntament.barcelona.cat/ateneusdefabricacio/en/>



# REGENERATION OF HOUSING BUILDINGS WITH INNOVATIVE SUSTAINABLE SYSTEMS



<https://bithabitat.barcelona/projectes/regeneracio/>

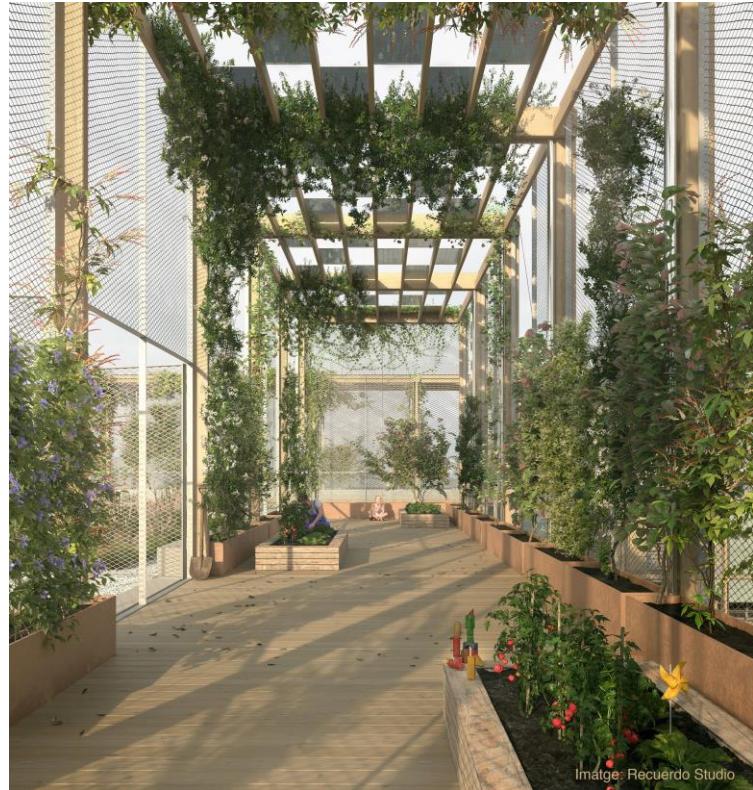


Image: Recuerdo Studio

# JOIN ENERGY – ENERGY COMMUNITIES



# DATA LOG – DATA TRUST WATER, ENERGY AND GAS





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## BIT Habitat Foundation

[bithabitab.barcelona](http://bithabitat.barcelona)



Ajuntament de  
Barcelona

IN  
BARCELONA  
OVA