



ENERHAT (Energy Housing Assessment Tool), is an application that enables tenants, owners and real estate agents to know the state of conservation of residential buildings and their energy label, to compare their energy efficiency with similar buildings, to assess the investment needed to improve them and to find subsidies to carry out the reform



The application integrates the data obtained from the Energy Performance Certificates provided by the Catalan Institute of Energy (ICAEN), the building technical inspections facilitated by the Catalan Agency for Housing (AHC), and the cadastre, together with geographic information

The proposed rehabilitation measures are based on the ICAEN simulation tool and in the "Long-term strategy for energy rehabilitation in the building sector in Spain" (ERESEE 2014)

# A 5-step process covering the localisation of the building and its status, the refurbishment measures to improve it, their costs and financing:

## 1. BUILDING ADDRESS:

After entering the location, street and number of a building, ENERHAT finds out if this has an energy performance certificate and a technical report. Likewise, the apartments within the building are listed and the information about their energy performance certificate is shown.

## 2. BUILDING STATUS:

On the selection of an apartment, ENERHAT shows a summary of the most relevant data of the building and of the apartment in order to assess the overall state of the building. The information includes an analysis of the energy efficiency of the apartment in comparison with similar ones.

## 3. REFURBISHMENT MEASURES:

Taking into account the characteristics of the building and its current state, ENERHAT proposes a series of refurbishment measures for each construction system (walls, roofs, windows, etc.) in order to reduce energy consumption.

## 4. FINANCING:

ENERHAT provides information about the public subsidies available to carry out reforms to improve the energy efficiency energy of buildings and dwellings.

## 5. REPORT:

At the end of the process, ENERHAT generates a report with the information provided in the previous steps.

