



HABITAT OPTIMISÉ, MAÎTRISE DE L'ÉNERGIE & SERVICES

HOMES Pilot Sites

Presentation

Pilot Site Objective

To verify the effectiveness of functional prototypes designed by the programme under real-life conditions.

The programme's teams will work with an existing structure, utilities in operation and people going about their daily business.

The experiments carried out

- Measurement of the building's effective performance
- Simulation of the five pilot sites (with the measurement data gathered)
- Simulation testing of the active control functions defined by the HOMES programme
- Estimation of gains provided by these functions
- Recommendations to achieve these gains (in progress)
- Evaluation of gains provided by monitoring (forthcoming)

5 pilot sites



Age:
1890, 1970,
1990, 2007,
New



Energies:
Heat Pump,
Gas,
All electric



Size:
between
500 and 3000 m²



Weather:
Mediterranean
Oceanic
Continental
Mountain



Montbonnot primary school (Isère region):

- Owner: mairie de Montbonnot
- Description: Primary School 5 classes, computer room, canteen
Gas boiler, radiator heating in classrooms and air handling unit in the lobby.



Installer: société REALISS



Residential apartment block at Vaux-sur-Seine (Yvelines region)

- Owner: LOGIREP
- Type of building: innovative and ecological construction:
integration of different ecological processes
 - 22 family housing
 - 5% housing for disabled people



Installer: ELECTEN



Savoie Technolac office building (Savoie region)

- Owner: SCI EOLE
- Description: LAMA programme consists of 3 buildings convertible on demand
 - 2580 m².
 - architectural and environmental standards (HQE)
 - premium in a suitable environment for business development.



Installator: PERRIN Electric



1-star hotel in Carcassonne (Aude region)

Owner: SARL THILOIS

Description: This hotel is an establishment of 38 rooms.

- open all year
- average occupancy rate of 72% (2008)
- A floor and a private parking.



Installator: Michel Chiffre



3-star hotel in Nice (Alpes-Maritimes region)

- Owner: SAS
- Description: Hotel with 57 rooms plus 5 private rooms.
 - open all year
 - occupancy rates between 70 and 75%.



Installer: Le Confort Electrique

