

G6 THERMAL AND ENERGETIC IMPROVEMENT IN BUILDINGS: AN INCENTIVE AND AWARENESS RAISING PROGRAMME FOR ALL ACTORS

SYNOPSIS

The Thermal and Energetic Improvement in Buildings Programme (OPATB: "Opération Programmée d'Amélioration Thermique et énergétique des Bâtiments") in Grenoble is an incentive and awareness raising programme. It aims to encourage public and private building owners to refurbish and retrofit their real estate.

BACKGROUND

The OPATB programme was launched in 2005. The OPATB area in Grenoble is situated in the district Grands Boulevards, where once stood old military fortifications that have been destroyed in the 1940s-1950s.

OBJECTIVES

The objective is to save about 550 tonnes of oil equivalent (toe) per year, equivalent to a reduction of 500 tonnes of CO₂ per year.

PROJECT DESCRIPTION

The OPATB programme concerns:

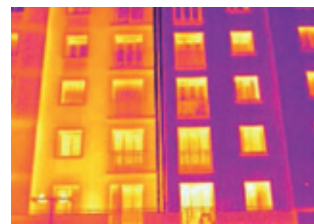
- 24,000 inhabitants, representing 16% of the population of Grenoble
- 820 buildings, 14,500 dwellings
- 165 small businesses
- 72 tertiary sector buildings, public and private
- 23 residential buildings, 13 commercial buildings and 8 tertiary buildings

RESULTS

CO₂ emissions have been reduced by 700 tonnes per year but the energy savings made were below the initial objective. In the case of the common properties, the priority given to façade insulation did result in major savings in heating.



	Total for the OPATB	Housing	Small businesses	Tertiary sector facilities
Energy Saving (tep/year)	369	244	18	107
Reduction in CO ₂ emissions (tonnes/year)	692	575	21	96



The thermographic image shows the difference between the refurbished dwellings (right) and the non insulated ones (left).

NEXT STEPS

Implement a 4-year-programme (launched in 2010) aiming to improve the thermal performance of 500 dwellings per year until 2013 thanks to financial support for the works as well as communication.

RECOMMENDATIONS

- Commonhold properties: tailor ongoing assistance, technical and financial advice to the residents' needs.
- Small businesses: incorporate energy saving concerns into existing schemes with which small-businesses are already familiar, as it appears that an additional scheme only focusing on energy savings is perceived as too restrictive.
- Tertiary sector: foster deep energy saving considerations especially while major rehabilitation works are being carried out, as they appeared to be taken into account when no such initiatives are planned.

FURTHER INFORMATION

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