


Viscose (Echirolles - France)

Project description	<p>Echirolles is a former industrial city located in the South of Grenoble. The Viscose is a district where the former workers of the Viscose textile factory (recently turned into a museum) used to live. There are still many workers earning the minimum wage living in the district where the unemployment rate is of almost 13%. All dwellings in the Viscose are social housings. The project for the area is divided into several actions. First of all, the project consists of the refurbishment and connection of the 280 existing dwellings to the local biomass heating system. The other part of the project consists in the construction, in the heart of the district, of 4 buildings of high environmental quality that would represent 60 more social dwellings. Changes in the public areas are also planned: creation of private and common areas, improvement of the public lightening, etc.</p>
Objectives	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">   </div> <div style="width: 50%;"> <p>- Refurbishment: The number of dwellings has been reduced compared to the former district in order to have bigger apartments with bathrooms (the previous ones did not have any). The roofs were refurbished and the walls insulated (outside insulation) and double-glazed windows were installed.</p> <p>- Connection to the local biomass heating system: The objective is to lower the heating costs so that families with low income can benefit from an optimal comfort. This new equipment will allow energy consumption reductions (5 000 kWh/year) and a reduction of the CO2 emissions (264 tons/year). It will produce 3 840 MWh/year</p> <p>- Construction of 60 dwellings: Increase the energy efficiency of the dwellings: 50 kWh/m²/year for the heating, 35 kWh/m²/year for the sanitary hot water and 4.4 kWh/m²/year for the electricity used in the common areas. The solar panels will produce 48 MW/year.</p> </div> </div>
Driving factors	<p>The OPAC 38 (social housing company) bought the area in 1982 in order to refurbish this district that was formerly thought for the workers of the textile factory. The refurbishment work was finalised in 1990.</p> <p>Due to the European CONCERTO-SESAC programme, the district will be connected to the local heating system and four new buildings will be constructed.</p>
Financing structure	<p>The project is financed by the European Commission, the government, the Region, the Isere department, the Metro, the ADEME (French Energy Agency) and the heating company.</p>
Further information	<ul style="list-style-type: none"> - The City of Echirolles: http://www.ville-echirolles.fr/index.html - OPAC 38 : http://www.opac38.fr/ - European programme Concerto SESAC : http://www.concerto-sesac.eu/
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