

Câmara Municipal de Lisboa



Câmara Municipal de Lisboa (CML), the local authority responsible for the management of the Lisbon municipality, became the first Portuguese GreenBuilding Partner in July 2006. The candidature of CML was based on a set of 5 new municipal swimming pools built in 2005/2006 with a total area of 14.185 m² and designed to integrate energy efficient technologies, including renewables (solar thermal), as well as a modern energy management system.

Building data

Building type

Swimming pool (Piscina Municipal do Vale do Fundão, New Building)

Size

2.054 m² on 3 floors

Year of Construction

2005

Energy savings

- Integration of 120 thermal solar collectors that will guarantee two thirds of hot water de-

- mand including facilities and services (restaurant, showers and general public toilet).
- Installation of electronic ballasts to achieve lighting electricity savings of about 30 %
- 4 way heat pumps (free-cooling system) to heat the main hall, allowing reductions of approximately 35 % in the consumption of electric energy and thermal energy
- Incorporation of passive solar measures (double glazing, external shading devices, etc.), resulting in energy savings of more than 30 %



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