



SOLAR HOT WATER

OLYMPIC SWIMMING POOL OF VAISE

LYON 9TH



solar thermal

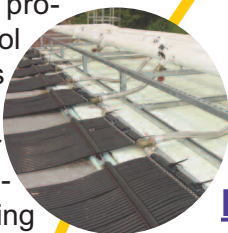
The City of Lyon made a commitment on a policy of reducing energy consumptions on its building heritage.

The Swimming pool of Vaise is the only swimming pool of Lyon equipped with an Olympic pool covered with 50 m of length.

The municipality made works of renovation in 2006-2007 with the aim of reorganizing changing rooms and opening in summer period (opening pool outwards by creating a sun terrace).

Energy savings were taken into account by the implementation of 2 solar installations.

This project benefited from the accompaniment of the ALE notably in the executive of the European program Solpool which aims the increased use of solar thermal systems for heating the water in swimming pools.



Solar system :

- 650 m² of solar tube absorbers for the preheating of the pool water
- 200 m² of solar flat absorbers for the preheating of the sanitary water
Such a surface for a public building is the first one in France
- Mechanical fixing on roof
- Auxiliary heating is operated by gas heating system

Results expected :

- Solar production of 290 000 kWh / year, representing an economy on the invoice of 13 600 € / year (equivalent to 23% of the total needs of the site).
- Environmental gain : replacement of the equivalent of 70 tons / year of CO₂

Financial plan :

- Investment except engineering : 240 000 € (except tax)
- Subsidy of the Region Rhône-Alpes : 85 000 €

Partners :

- Client : City of Lyon
- Office study : Etamine et Séchaud (Lyon - 69)
- Solar thermal system : Giordano (Aubagne - 13) for solar tube absorbers and AS Solar / importer CEL (Migennes - 89) solar flat absorbers
- Installer : AMEC SPIE South-East (Rillieux-la-Pape - 69)
- Accompaniment : ALE