

Sustainability wins in Court

Towards Class A - Shining examples

...are everywhere and in a town near you...

Introduction

Montbenon District Court is one of Lausanne's most important buildings. Its birth is closely linked to the history of modern Switzerland, because in



1886 the Federal Constitution established the seat of the permanent Federal Court in this courthouse.

In 1928 it became a cantonal (regional) court and in 1986, a district court. Large areas of the building, planned successively over many decades to meet the changing needs of the court, have been refurbished taking into consideration the architecture, and also ensuring that the real needs for comfort and equipment are met.

Savings and investment

This is an example of a refurbished historic building constructed before 1900. The challenge was to improve the energy efficiency of a building by undertaking changes which would not adversely affect its original features.

This challenge appears to have been met because the building has achieved:

- B rating for energy consumption (108 kWh/m²/a)
- B rating for CO₂ emissions (16 kg/m²/a)
- A rating for water consumption (72 l/m²/a)

Improvements made

The municipality of Lausanne has made a strong commitment to sustainable development and energy policy, and so the building was refurbished in a manner that maintained the architectural integrity of the courthouse whilst reducing energy and water consumption.

The roof was insulated and windows replaced; electrical, phone and heating systems were upgraded; bathroom



heating fittings and radiators throughout the building were changed. Behavioural changes to make more rational use of the building were also made.

Partners and systems

Close cooperation between SIL (Lausanne's municipal energy services company), the estates management, the caretaker and the official responsible for the building made it possible to achieve coherent management of the Court on both a technical and user (behavioural) level.

The installation of the remote management system made it possible to identify, appropriate and measure the actual energy savings occurring as a result of the measures installed, and the improved occupancy patterns.



Partners



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