

Best Practice from Le Havre, France

Description

On 12 July 2012, Le Havre - France, inaugurated the Stade Océane.

With a view to preparing for the Euro 2016, the stadium has a number of energy innovation features. This stadium was built according to a "HQE" (High Environmental Quality) procedure with particular attention to reducing carbon in its construction. Equipped with 1,500 m² of photovoltaic panels, it became the first stadium in France to produce more electricity than it uses for its lighting: this is an energy-plus stadium.

This position is exemplary. Innovative technical choices regarding energy savings have been made. The stadium -the hosting capacity of which amounts to 25,000 people- has a lens-shaped enclosure that allows for a blue light to get through.

The innovation lies in the material of the casing which consists of a blue polymer membrane. It is 50 times thinner and 100 times lighter than a glass envelope, letting 90% of the light through.

In addition, audiovisual equipment has been adapted with two electroluminescent screens of 46 m² each. Nearly 170 LCD screens from 42 to 55 inches are located in the dressing rooms and passage-ways.

The Stade Océane has also been strongly insulated using a double flow ventilation system. For lawn watering, sanitation and fire safety system, it uses rainwater collectors. Finally, waste recovery has also been at the heart of the project. Thus, the cups made available to the public are now returnable and reusable. Green and food waste is used for compost.

Factual Information

These elements should allow the building to present an annual consumption of only 133 kWh / m² / year, below the baseline for these structures, amounting to 155 kWh / m² / year.

Source: Energy Cities - <http://www.energy-cities.eu/-About-us-7->

