

Henning Larsen Architects

Townhall Viborg



The town hall of six floors in Viborg municipality is built like a sculpture that welcomes the villagers into the building. It was finished in September in 2011 and houses about 800 employees at 19 400 square meters.

Sustainability:

The energy consumption of Viborg Town Hall will meet the requirements for low-energy class 1 according to Danish building regulations (max (50 +1100 / A) kWh/m²a (A = the heated floor area).

Savings of energy with EU-project:

Viborg Town hall is participating in the EU-project – Built Environment Sustainability and Technology in Energy (BEST Energy). The project concerns efficient control of the energy supply. The purpose of the project is through “Intelligent Communication Technology” (ICT) obtain savings at 12 % of the energy use in the new town hall.

Building data

Building type

Town Hall (new building)

Location

Viborg, Denmark

Year of construction

2009 - 2011

Size

19,400 m²

Measures performed

several sustainable initiatives, including:

- A compact building geometry
- Treble glazing
- Natural ventilation (hybrid ventilation) - ensuring an energy-efficient ventilation of the building.
An intelligent IT system measures the air quality and temperature and controls openings in the building envelope
- Mechanical ventilation in part of the building
- requiring efficient heat recovery
- Absorption heat pumps powered by district heating

- Passive and active cooling of the building stock (concrete floor, open suspended ceilings)
- Groundwater cooling
- Daylight - the building has been designed to benefit the most from the daylight
- External solar protection
- Movement sensors and use of energy
- efficient light sources to reduce electricity consumption
- Solar cells on the roofed parking spaces (approx. 1,265 mono-crystalline solar cells)
- Rainwater collection and percolation

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