



Cooled ventilation in a gym

Government of Deventer



In Deventer, The Netherlands in 2001 the multi functions building "De Vijfhoek" containing a school, a day-care and two gyms was realized. Three out of the four walls of the gyms are made of glass and the temperature on warm days rose up to 45°C / 115 °F. Free cooling alone not bring the required cooling capacity and conventional air conditioning was not an option due to the limited power available. The StatiqCooler offered the solution, with the supply cooled air at a ventilation rate of 5, without significant increase of energy consumption.

The government of Deventer provided a solution by the installation of the StatiqCooler for the gyms which were too warm:

- Control of the temperature on warm days
- Acceptable energy consumption and burden on the environment
- Increase of the usable hours of the gyms

statiqcooling

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"Due to the large amounts of glass used in the façade, the temperature rose up to 45 °C / 115 °F. These temperatures made it impossible to play or do sports, it would become dangerous! Therefore the students had have gym classes outside the school on the playground or classes were canceled. Because of the StatiqCooler we can now use these beautiful gyms all year long."

Mr. Ruud Westrik, Construction advisor, Government of Deventer