

OBJECT OF THE MONTH



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KINDERGARTEN, VELDEN

Good quality ambient air conditions are a prerequisite for creating a comfortable environment in which young children can learn in a playful way. A showcase project involving the comprehensive renovation of a kindergarten has recently been completed in Velden. Given the existing building structure, planning by architecture office ARCH+MORE ZT, headed by architect Gerhard Kopeinig, required a sensitive approach in which solutions to many details had to be found. The approach was based on an indoor climate monitoring concept, the aim being to optimise user comfort, costs and environmental performance.

Passive House quality: The high-quality thermal renovation and the installation of a central comfort ventilation system with heat recovery made it possible to achieve Passive House quality. Most of the power is supplied by a photovoltaic system. The planners also focused on the lighting conditions. Controlled ventilation provides for optimal indoor air quality in all kindergarten rooms and a significant reduction in ventilation heat losses.

The Pichler all-in-one solution: Used for the project was an all-in-one system with ventilation components and a ventilation device with CO₂-controlled indoor climate adjustment; the environment in each group room can be individually regulated via a sensor. The primary focus of the project was to provide for the well-being of the children and their teachers.

DATA & FACTS

Location: Velden at Lake Wörth

Completion: 2014

Type of building: Kindergarten

Architecture: ARCH+MORE ZT

Products: Ventilation unit + Components

Produkt groups:



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