

# OBJECT OF THE MONTH



## Austria's first certified passive house

The demands on Austria's first certified passive house were: no more costs than a standard house, due consideration of ecological criteria, minimum technical apparatus and maximum economy.

The single storey passive house without basement was built on a level piece of ground. The 140 m<sup>2</sup> single family house has an outside diameter of 15 m. The highly compact building deliberately dispenses with unnecessary structures and weight. Minimum common areas allow full utilisation of the basic area for living space.

### LOW TECH CONZEPT:

Excellent thermal insulation of building shell and windows, no thermal bridges, airtight. All building services including comfort ventilation, heating, cooling and hot water generation in a single heat pump combi unit in a 0.75 m<sup>2</sup> area in the toilet.

The passive house received the „House of the Future“ award in 2000, later followed by several other awards.

### DATA & FACTS

Location: 4661 Roitham, Upper Austria

Completion: 2000

Type of building: Detached single family house

Architecture: Arch. Dipl. Ing. Hermann Kaufmann + LANG Consulting

Builder: Christine und Ing. Günter Lang

Products: Controlled comfort ventilation system: PKOM<sup>4</sup> classic heat pump combi unit with highly efficient heat recovery

Product groups:

COMFORT  
VENTILATION

