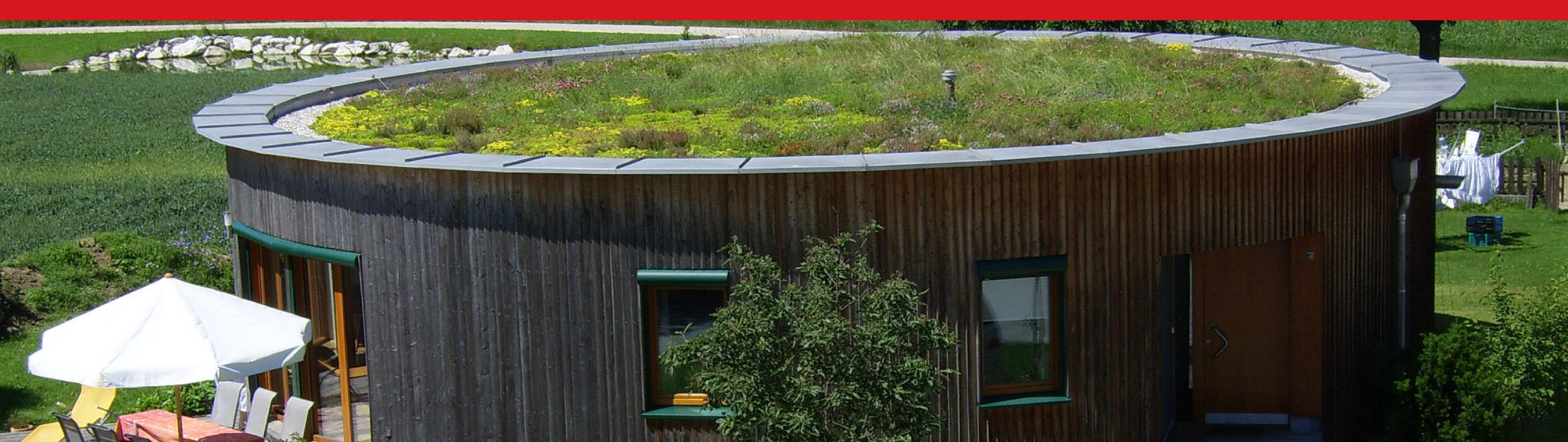
OBJECT OF THE MONTH



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 m² 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.

DATA & FACTS 4661 Roitham, Upper Austria Location Completion: 2000 Type of building: Detached single family house Arch. Dipl. Ing. Hermann Kaufmann + Architecture: LANG Consulting Christine und Ing. Günter Lang Builder:

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^2 area in the toilet.

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

Products:

Controlled comfort ventilation system: PKOM⁴ classic heat pump combi unit with highly efficient heat recovery





PICHLER

Systematic ventilation.

12/2017