

# OBJECT OF THE MONTH



## PASSIVE HOUSE, CZECH REPUBLIC

Although it doesn't look like it, this single-family house is a new building. It is a typical example showing that a passive house can take many forms. The passive house of aerated concrete seems to have been standing in this region for a hundred years, and yet this newly constructed classical building is the core element of modern spirit, and, due to its compactness, it does not need any greater technological achievements really. The heat pump combination unit PKOM<sup>4</sup>, however, is essential for the passive house and is used as the main source of ventilation, heating, cooling and hot water preparation – it provides for a perfect room climate in a sustainable and highly efficient fashion.

This model example won the „Passive House 2018” price, which shows that a traditional country house including its traditional facade construction can also be implemented in the passive house standard.

### DATA & FACTS

Location: Czech Republic

Completion: 2018

Type of building: Single family house

Architect: ATELIÉR ELAM – Ing. arch. Mojmir Hudec

Building technology: Evora CZ s.r.o.

Products: Heat pump combi unit PKOM<sup>4</sup>

Product groups:

COMFORT  
VENTILATION

