

# OBJECT OF THE MONTH



## RESIDENTIAL BUILDING, UK

The residential complex includes four one-bedroom flats, eight two-bedroom semi-detached homes and two four-bed homes, all built to be energy positive, where more energy is put back into the National Grid than is used. The aim was to ensure low running costs for their residents and to provide a comfortable, healthy environment.

The heating and ventilation system included in the whole house approach had to be at a reasonable cost whilst not taking up too much space. Ventilating, heating, cooling and hot water in such well insulated buildings were a central point of concern. The PKOM<sup>4</sup> heat pump combi unit unites these four functions on a footprint of less than 0.75 m<sup>2</sup>. The PKOM<sup>4</sup> that has separate heat pumps for heating and hot water means residents do not have to compromise on the warmth of their home, whilst water is being heated.

### DATA & FACTS

Location: Bridgend, Wales, United Kingdom

Completion: 2020

Type of building: Energy-positive social housing development

Building technology: Total Home Environment Ltd

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

Produkt groups:

