

27-apartment condominium



Szeged. Hungary

2020

Outdoor units: 3 pcs WH-UX16HE8

Indoor units: 3 pcs WH-SXC16H9E8

Control: Panasonic PAW-A2W-CMH Cascade controller

A2W Cascade System for 27-apartment condominium

Challenge

To create an economically functioning system and reduce utility consumptions.

Solutions & Tech Applied

In cascade control, the Master Heat Pump continues to control up to 2 heating/cooling circuits (zones), a domestic hot water production system, and a buffer tank. The CMH controller detects the demand for "Heating", "Cooling" or "Tank" and controls the heat pumps depending on availability and with the aim of run-time optimisation. In addition, it is possible to let the CMH controller do the changeover between the heating and the cooling buffer tank, including the switch-over of the direction control valves and the temperature sensors