

Cluain Mara, Kinsale

Project: 27 Houses

Location: Cluain Mara, Farm Lane, Kinsale, Co. Cork

Solution: 6KW and 11KW Daikin air to water heat pumps, Heating controls, Low temperature aluminium radiators, Underfloor heating, Heat recovery ventilation with wiseair ducting, Solar PV, Plumbing

Completion Date: 2017



"We choose Energywise Ireland to complete the mechanical contract in our recent development in Cluain Mara, Kinsale. We were extremely pleased with their performance on this project, it was a job well done and we will definitely be contacting them for future projects. We found their friendly staff easy to deal with. I would highly recommend Energywise Ireland."

Noel Barry, Centurion Homes

Energywise designed, supplied and installed both an 8 and 11 KW Daikin air to water heat pumps and heating controls at Cluain Mara development site, Kinsale. Energywise choose the Daikin split integrated system which has a small indoor footprint. The integrated unit combines the hot water cylinder and the hydrobox in one sleek floor standing unit. Stacking the hot water cylinder and the indoor unit eliminates piping and reduces heat loss between the two units. This configuration also reduced installation times due in part to plug-and-play couplings. The split integrated unit features a high capacity 180L or 260L tank with 50% less heat loss compared to a standard tank.



Energywise designed, supplied and installed the underfloor heating system and low temperature aluminium radiators. Underfloor Heating systems goes hand in hand with heat pump installations. An underfloor system heating circulates low temperature water. A heat pump is most efficient when heating water at lower temperatures, the heat pump efficiency goes up bringing your running cost down. The reduced water content in aluminium radiators supplied by Energywise ensures the system responds with the maximum speed at the slightest change in temperature.

Energywise designed, supplied and installed our high quality ventilation system ensuring efficient, clever ventilation. The new homes at Cluain Mara have clean fresh air. The HRV system takes the energy of the stale extracted air and it is then transferred to the fresh, cool outdoor air, 95% of the heat is retained, and that means maximising energy for minimum cost. The filtered and, consequently, cleaner air increases the comfort in the home.

The home at Cluain Mara have achieved the "A" Building Energy Rating. To achieve the "A" BER very exact standards of construction and specification are required. Energywise helped achieve this by the design, supply and installation of solar PV and a very energy efficient Daikin air to water heating system. An "A" BER rating ensures that running costs of a home can be kept to a minimum.

