

CASE STUDY

Hot Water Heat Pump Vodafone Office Gym

Client Objective:

Vodafone in Sandyford, Co. Dublin offered gym facilities to their staff and needed an efficient and cost effective water heating system to heat water for approximately 40 showers in the morning. They were considering a gas fired system but the Engineering Consultant recommended Glenergy's hot water heat pump.

Solution:

Glenergy's Ecotank Hot Water Heat Pump

2 x 300L units were installed to cater for the demand. The heat pumps draw heated air from a nearby server room to use in the heat pump process. This higher temperature air increases the COP of the units to 3.8 which is phenomenal! The cooled air from the heat pump is then fed back to the server room to help the cooling system there producing more savings. There was also no requirement to bring Gas into an office work environment.

Results:

50% reduction in Hot Water Costs! Using the hot water heat pump over the gas system saved Vodafone 50% on their water heating bills for the Gym. The Vodafone staff are very impressed with the operation and performance of the system, particularly the ease of use and ability to control costs.

Greenhouse Gas emissions reduced by 1400 kg / CO₂ per annum approx.

