

Heating

Case Study

The Gym Group,
Islington

Making a
World of
Difference



Renewable heating brings big benefits to The Gym Group

For a fast growing and ambitious network of gyms, providing the ideal environment for customers to work out and freshen up in is paramount, and when your facility is in a busy city centre without access to an on-site gas supply, you need a dependable alternative to traditional water heating.

As the longest established and leading operator of high quality, low-cost gyms in the UK, The Gym Group has the largest concentration of facilities in London and the South East.

In choosing a renewable hot water system, The Gym Group has reduced its carbon footprint and also gained access to regular payments from the Renewable Heat Incentive.



Air Conditioning | Heating
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ecodan[®]
Renewable Heating Technology

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The Ecodan CAHV air source heat pumps sit outside the building and harvest renewable heat energy from the outdoor air to supply The Gym Group with hot water night and day.

Installation Summary

2 x Ecodan CAHV 45kW air source heat pumps provide hot water

The Ecodan CAHV commercial heating product from Mitsubishi Electric is a sealed system which sits outside the property.

The system is able to limit the capacity at night, which lowers noise levels as well as reducing the demand on the electrical board.

“The Gym London Angel can accommodate over a thousand customers a day so they needed a system that would deliver hot water at any time, but the premises doesn’t have on-site gas”, explained Bob Smith on behalf of Smithsquared (Consulting) Ltd.

This gym is open 24 hours a day, which means that it requires a reliable source of hot water for its customers’ showers, whatever time they are needed.

The building has limited power supply and the need to be energy efficient was also important for The Gym Group.

The installation of two Ecodan CAHV commercial heating renewable heat pumps is now providing a variable supply of hot water to meet customer demand night and day as well as bringing additional benefits to The Gym Group.

“Optimising energy efficiency was important for The Gym Group so the traditional options of oil, LPG or direct electric water heating would not have been viable as all these high carbon options would have used too much power or have been too expensive to run”, added Bob Smith.

The city centre location also places noise restrictions on the site, particularly at night, so the facility needed a reliable solution that would work quietly and efficiently whatever time of day or night it was needed.

“In choosing an air source heat pump system, we have not only reduced our carbon footprint but also gained access to regular payments from the Government’s RHI scheme”, commented David Melhuish, Head of Property for The Gym Group.

“This makes us eligible to claim 20 years of payments to offset the capital cost.”

“This means that we have reliable hot water with the quiet operation we need for this city centre location and we generate an income for every kilowatt of renewable heating the units provide”.



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Certificate Number: MCS 1 P0002
Product Type: Heat Pumps
Product Reference:
P.U.I.Z.-W57VH-A-BS, P.U.I.Z.-W55VHA2-BS,
P.U.I.Z.-W120VH-BS, P.U.I.Z.-H143VHA2/11A2-BS,
P.U.I.Z.-SM40VHA, P.U.I.Z.-SW75VH-A, P.U.I.Z.-SW120VHA,
CAHV-F503YA-11FB



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to the environment



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