

# Domestic Heating

## Case Study

**Rehabilitation Centre**  
2010

Making a  
World of  
Difference



Ecodan helps  
rehab centre to  
offer a warm  
welcome

A new 48-bed rehabilitation centre in Middlesbrough is ensuring a warm welcome for its clients by installing 5 Ecodan systems to supply continuous, controllable underfloor heating throughout the building.

The 14kW Ecodan units provide heating for the newly built centre made up of 48 self-contained en-suite flats for clients with various supported housing needs. The centre is run by Riverside ECHG, a specialist provider of older persons and supported housing services throughout England.



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**ecodan**<sup>®</sup>  
Renewable Heating Technology

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## Installation Summary

Ecodan heating was chosen for this centre for its efficiency and ease of installation.

5 x 14kW Ecodan units were installed.

Ecodan units provide both underfloor heating and hot water for this centre.

Installation took 12 days.

## Ecodan was considered the most efficient way of delivering renewable heating to this rehabilitation centre

Installed by Revolution Power who are a Microgeneration Certification Scheme (MCS) accredited installer and a member of the Renewable Energy Association.

Using Ecodan suits our innovative approach for a sustainable building in a very energy efficient and cost-effective way.

“This is one of the most efficient ranges of heat pumps currently on the market, and because they are inverter-driven, they offer fantastic results with payback periods far less than other higher-cost alternatives,” explained Stuart Gibson, Sales Director of Revolution Power. “Unlike ground source technology, which can require expensive bore holes or need a large area of land, Ecodan air source heat pumps only require electric and in/out water pipe connections,” he added.

Comparisons with gas boilers demonstrate that Ecodan can reduce fuel bills by up to 30% and halve carbon emissions.

Typically for every 1kW of electricity consumed by Ecodan, 3kW or more of heating energy is supplied. This is because Ecodan harvests ‘free’ renewable energy from the outdoor air, even in sub-zero temperatures.

The installation will also allow the Rehabilitation Centre to qualify for payments under any future financial schemes introduced by the Government.



*Changes for the Better*

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