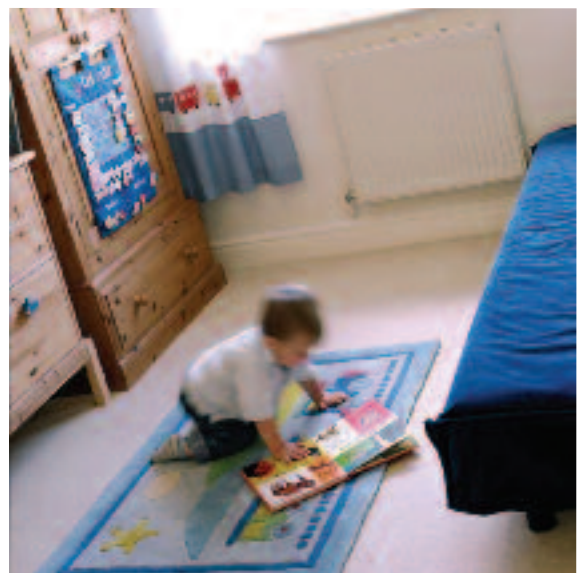


## Case Study

### 4 Bed Refurbishment

# Young working family wanted to be greener...



## Setting the scene

**This young working couple live in Bedfordshire with their two small children and wanted to do more for the environment by reducing the amount of CO<sub>2</sub> emitted by their home.**

With traditional heating systems being a major contributor to CO<sub>2</sub> emissions and in the grip of rising energy costs, the couple decided to look for a more efficient means of heating. They were keen to reduce their heating bills and the impact on the environment without compromising their comfort levels.

Having also converted the double garage into a more useable family room, they needed a heating system that could cope with heating the new living space effectively and efficiently.

[www.mitsubishielectric.co.uk/heating](http://www.mitsubishielectric.co.uk/heating)



## Case Study

### 4 Bed Refurbishment

### Installing an Ecodan air source heat pump system was the perfect solution for this family

Able to maintain a more constant temperature in their home and able to provide all the hot water they need, the Ecodan system has proven to be a significantly more efficient alternative to the original gas boiler.

Quick and easy to install, Ecodan is quiet to run and designed to replace traditional gas or oil boilers with the minimum of cost and disruption. Using advanced heat pump technology, this revolutionary system is perfectly suited to underfloor heating and is designed to make much more efficient use of appropriately-sized radiators - heating the house and hot water for a great deal less.



**Ecodan helped realise this family's ambitions by reducing their CO2 emissions by 50% and lowering their annual fuel bills by 36%**

### Installation summary

- 4 bed detached house built in 2000
- Total living space 177m<sup>2</sup>
- Replaced existing 80% efficient A rated gas boiler with a 330% efficient 8.5kW Ecodan
- Installation took 2 days
- Annual running cost of £545

### How it works

**Ecodan** is an air source heat pump and the technology inside it is very similar to that of a domestic fridge - transferring heat from one place to another - the back of your fridge is warm because it is removing heat from inside the fridge out into the room.

In the case of the Ecodan air source heat pump, it removes warmth from the air outside and transfers it inside the home to heat radiators and provide hot water.

**The multi-award winning Ecodan** - is brought to you by Mitsubishi Electric, one of the world's leading experts in creating comfortable living environments. **For more information visit [www.mitsubishielectric.co.uk/heating](http://www.mitsubishielectric.co.uk/heating)**

