

LIVING ENVIRONMENTAL SYSTEMS

Air Conditioning

Heating

Ventilation

Controls

START PRESENTATION 



REDUCE THE  
**SIZE**  
OF YOUR  
**HEATING  
BILLS...**

NEXT 



TAKE ADVANTAGE  
OF PAYMENTS  
FROM THE  
**RENEWABLE**  
**HEAT INCENTIVE...**

NEXT 



AND LOWER  
YOUR HOME'S

**CO<sub>2</sub>**

**EMISSIONS**

WITH...

NEXT 



eccodan<sup>®</sup>

Renewable Heating Technology



TAP THIS ICON FOR ADDITIONAL INFORMATION

NEXT



# MITSUBISHI ELECTRIC'S

Ecodan is designed to deliver all the heating and hot water you need for years to come. Ecodan heat pumps are government supported for mass market uptake and are one of the most reliable and future-proof forms of heating available today.



Over 72,000 domestic Air to Water heat pumps have been installed throughout the UK up to the end of 2013.\*



AWARD WINNING RENEWABLE TECHNOLOGY



\*BSRIA figures



BACK

NEXT



MITSUBISHI ELECTRIC'S

Ecodan is designed for you need for years government supported are one of the most reliable forms of heating available

Over 72,000 heat pumps have been installed in the UK up to



AWARD WINNING RENEWABLE TECHNOLOGY



## The name Mitsubishi is synonymous with excellence

Founded in 1921, Mitsubishi Electric is now a global, market leading environmental technologies manufacturer.

In the UK, the Living Environmental Systems Division provides proven solutions that heat, cool, ventilate and control our buildings in some of the most energy efficient ways possible.

**Mitsubishi Electric has specifically designed the Ecodan range for UK homes.**

Ecodan air source heat pumps provide renewable energy to challenge traditional heating methods, whilst meeting the energy and carbon reduction demands of today and beyond.



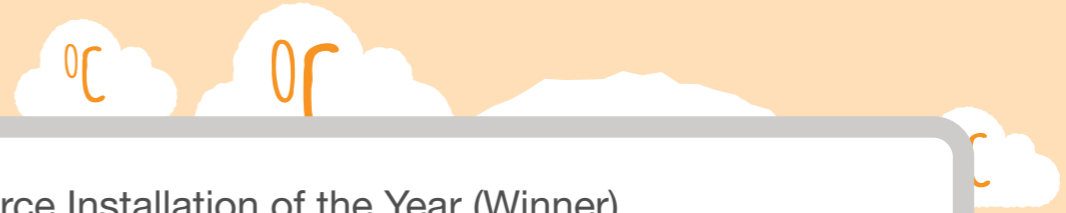
\*BSRIA figures

BACK

NEXT



MT RUSHLIGHT ELECTRICS



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- National Heat Pump Awards 2013** - Commercial Air Source Installation of the Year (Winner)
- National Heat Pump Awards 2013** - Training Excellence - Ecodan Homeowner Portal (Highly Commended)
- Micropower Awards 2012** - Manufacturer of the Year (Winner)
- National Heat Pump Awards 2012** - Product of the Year - Ecodan CAHV (Winner)
- Professional Heating and Plumbing Installer Awards 2012** - Top Product 2011 - Ecodan (Winner)
- National Heat Pump Awards 2011** - Installation of the Year, Domestic Air Source Heat Pump (Winner)
- Scottish VIBES Awards 2010** - M-ACE and Ecodan (Winner)
- Sustain Magazine Awards 2010** - Ecodan (Finalist for Product of the Year)
- European Eco-Label** - November 2009
- Micropower Awards 2009** - Highly Commended
- Rushlight Awards 2009** - Ground & Air Source Power Award
- Energy Institute Awards 2008** - Technology Award

heat pumps have been installed through  
the UK up to the end of 2013.\*



AWARD WINNING RENEWABLE TECHNOLOGY



\*BSRIA figures



BACK

NEXT





# ECODAN AIR SOURCE HEAT PUMPS

upgrade natural energy in the outside air to provide your home with low cost, renewable heating and hot water all year round.



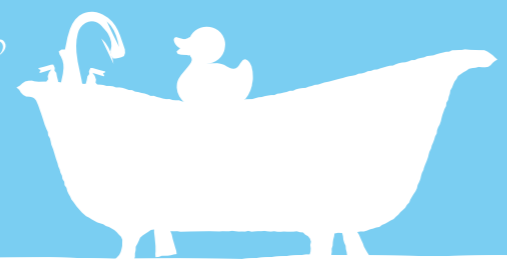
**SAVE UP TO 30% ON YOUR HEATING BILLS**



**REDUCE YOUR HOME'S CO<sub>2</sub> EMISSIONS BY UP TO 50%**



BACK



NEXT

# ECODAN AIR SOURCE HEAT PUMPS

upgrade  
provide  
heating

Our range of **Ecodan air source heat pumps** include 5, 8.5, 11.2 and 14kW sizes and offer superb benefits including:

- **MELCloud Wi-Fi control**

MELCloud allows fast and easy mobile control and monitoring of the Mitsubishi Electric Ecodan system from anywhere in the world via your mobile phone, tablet or computer.

- **Low Noise Levels**

Ecodan is one of the quietest heat pumps available and is the only one to have achieved the Noise Abatement Society's Quiet Mark.

- **Hybrid Control**

This enables Ecodan to work seamlessly alongside existing oil or gas boiler systems to help reduce initial investment and deliver run cost savings.

- **MCS & the Renewable Heat Incentive (RHI)**

All our Ecodan products are MCS certified and qualify for the RHI.

- **Built in the UK**

We are investing in UK manufacturing with our facilities in Livingston, Scotland becoming our Ecodan manufacturing plant for Europe.

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



BACK





# ECODAN AIR SOURCE HEAT PUMPS

upgrade natural energy in the outside air to provide your home with low cost, renewable heating and hot water all year round.



These savings are based on a 4 bedroom house of standard construction built in 2000. The Ecodan replaced an 80% efficient gas boiler.



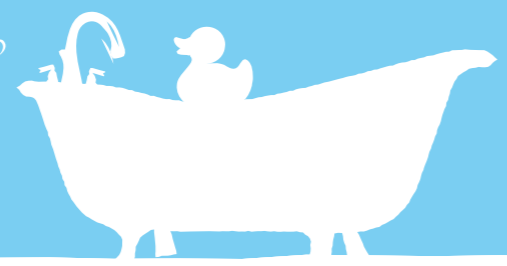
**SAVE UP TO 30% ON YOUR HEATING BILLS**

**REDUCE YOUR HOME'S CO<sub>2</sub> EMISSIONS BY UP TO 50%**



BACK

NEXT



# HOW AN ECODAN AIR SOURCE HEAT PUMP WORKS

Ecodan air source heat pumps work in a similar way to your own refrigerator - but in reverse.

Ecodan uses advanced inverter-driven heat pump technology to harvest and upgrade the **FREE** natural heat energy found in the outside air to supply your home with efficient, renewable heating and hot water even in temperatures as low as  $-20^{\circ}\text{C}$ .



 BACK

NEXT 

# HOW A HEAT PUMP WORKS

Low temperature renewable heat energy taken from the environment

2.2kWh

Electrical energy input  
1kWh



3.2kWh

Heat energy output

For every **1kWh** of input electrical energy, Ecodan harvests and upgrades renewable heat from the outdoor air to provide the home with an average of at least **3.2kWh** of heat energy output.

Heat pumps work in a similar way to a refrigerator -

They harvest and upgrade low temperature renewable heat energy found

in your home with

efficient, renewable heat and hot water even in temperatures as low as  $-20^{\circ}\text{C}$ .



Ecodan air source heat pumps are an ideal alternative to traditional heating systems, helping to combat rising fuel bills!



TAKE A LOOK AT THE BENEFITS ECODAN HAS TO OFFER >

[BACK](#)

[NEXT](#)

Ecodan air source heat pumps are an ideal alternative to traditional heating systems, helping to combat rising fuel bills!



**ECODAN CAN  
REDUCE YOUR HOME'S  
RUNNING COSTS!**



**TAKE A LOOK AT THE BENEFITS ECODAN HAS TO OFFER >**

[← BACK](#)

[NEXT →](#)

- 
-  WORKS ALL YEAR ROUND
  -  LOW NOISE LEVELS
  -  USER FRIENDLY CONTROLS

 BACK

NEXT 





WORKS ALL YEAR ROUND



LOW IN...



USER FRIENDLY

Ecodan will continue to provide your home with heating and hot water in temperatures as low as -25°C, unlike some other air source heat pumps.



BACK

NEXT



WORKS ALL YEAR ROUND



LOW NOISE LEVELS



USER FRIENDLY

Ecodan has achieved the Noise Abatement Society's Quiet Mark accreditation.



BACK

NEXT



WORKS ALL YEAR ROUND

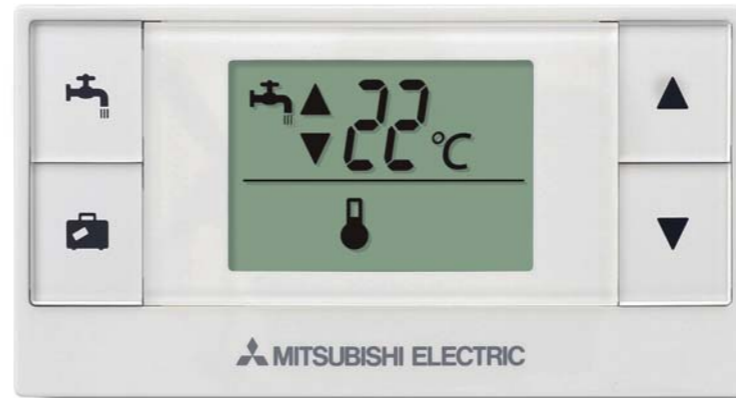


LOW NOISE LEVELS



USER FRIENDLY CONTROLS

Ecodan takes care of all your home's heating and hot water demands automatically, leaving very little for you to adjust.



BACK

NEXT



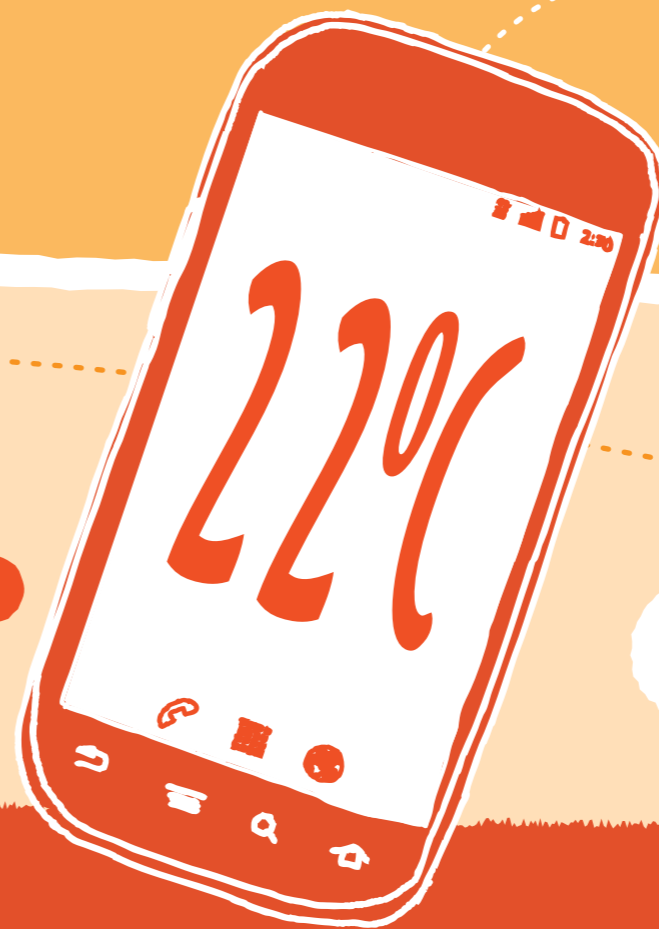
CONTROL YOUR ECODAN ON THE GO



PERFECT FOR OFF-GAS AREAS



MCS APPROVED



BACK

NEXT



CONTROL YOUR ECODAN ON THE GO

PERFECT

MCS APPRO

MELCloud is Mitsubishi Electric's cloud based solution for fast and easy mobile control and monitoring of the Mitsubishi Electric Ecodan system from anywhere in the world, via your mobile phone, tablet or computer.



BACK

NEXT



# CONTROL YOUR ECODAN ON THE GO



## PERFECT FOR OFF-GAS AREAS



## MCS APPROVED

Ecodan can be used to replace any existing heating system and offers a viable, low carbon alternative to oil, LPG and direct electric.



BACK

NEXT



CONTROL YOUR ECODAN ON THE GO



PERFECT FOR OFF-GAS AREAS



MCS APPROVED

The Microgeneration Certification Scheme (MCS) certifies microgeneration technologies that are used to produce electricity and heat from renewable sources and is also linked to financial incentives which include the Renewable Heat Incentive (RHI).

**The entire range of Ecodan heat pumps are MCS approved.**



BACK



NEXT

Homeowners who choose to install Ecodan could receive further financial benefits through the government's

# RENEWABLE HEAT INCENTIVE SCHEME (RHI)



WHAT IS RHI?



DO I QUALIFY?



HOW DO I APPLY?



[ofgem.gov.uk](https://www.ofgem.gov.uk)



← BACK

NEXT →



Homeowners who choose to install Ecodan could receive further financial benefits through the government's

RENEWABLE

HEME (RHI)

The RHI is the world's first long term financial support for the generation of renewable heat.

The Government incentive aims to encourage the uptake of renewable technologies such as Ecodan and offset the cost between renewable and traditional fossil fuel systems.

You can apply for the RHI through the Ofgem website: [ofgem.gov.uk](http://ofgem.gov.uk)



WHAT IS RHI!



DO I QUALIFY?



HOW DO I APPLY?



[ofgem.gov.uk](http://ofgem.gov.uk)

BACK

NEXT

Homeowners who choose to install Ecodan could receive further financial benefits through the government's

# RENEWABLE HEAT INCENTIVE SCHEME (RHI)



WHAT IS



DO I QUALIFY



HOW DO I APPLY?

- Retrofit installations or self build ✓
- Ecodan heat pump installed ✓
- Valid EPC ✓
- Green Deal Assessment ✓
- MCS installer ✓

Once all the above is in place you can make the application for RHI.



RHI PAYMENT



[ofgem.gov.uk](http://ofgem.gov.uk)

BACK

NEXT

Homeowners who  
further finance

RENEWABLE



WHAT IS



DO I QUALIFY



HOW DO I

- ▼ Check product and installer are both MCS accredited
- ▼ Make sure you have a valid Energy Performance Certificate (EPC)
- ▼ Complete a Green Deal Assessment
- ▼ Install mandatory energy saving measures if required
- ▼ Apply for RHI

Save money and get paid thanks to Mitsubishi Electric's Ecodan

**Time period** - Claimable for 7 years

**Tariff** - 7.42p/kWh

**Heat claimable** - Renewable heat only

**Installations from** - 15th July 2009

**Claim from** - 9th April 2014

**Flow temperatures** - Lower flow temperatures optimise the performance of the heat pump, which will mean higher heat emitter guide star ratings and in turn higher RHI payments

**Accreditation** - Both the product and installer must be Microgeneration Certification Scheme (MCS) approved

Ecodan could receive  
the government's  
SCHEME (RHI)



[ofgem.gov.uk](http://ofgem.gov.uk)



BACK

NEXT

# HOW MUCH WILL RHI PAY?

1. How much energy does your house need for heating and hot water?
2. How efficient is your heat pump installation?



← BACK

EXAMPLE ONE



# HOW MUCH WILL RHI PAY?

1. How  
how  
an

- **Energy**

This is measured in kWh and is calculated in your EPC.

- **Efficient**

Heat pumps provide the most energy efficient form of heating available.

The efficiency of a heat pump is often referred to as the co-efficient of performance (COP). The better your COP, the more RHI funding you will be eligible to receive.

Ecodan is proven to deliver market leading real world COP's, which means you can maximise your RHI benefit.

2. How efficient is your  
heat pump installation?



## EXAMPLE ONE ➤

# REPLACING THE EXISTING BOILER WITH ECODAN IN A TERRACED HOUSE:

- Built in 1996
- Cavity wall and loft insulation
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler would be £1,800

Current oil cost  
£601 per year



### The proposed new system:

- ① 5kW Ecodan air source heat pump
- ① High pressure cylinder
- ① Control your Ecodan on the go
- ① New radiators
- ① Installation and commissioning

Total cost  
£6,397



⏪ BACK

CONTINUED ➤

# EXAMPLE ONE ➤

## REPLACING THE IN A TERRACE

- Built in 1996
- Cavity wall and loft insulation
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new system

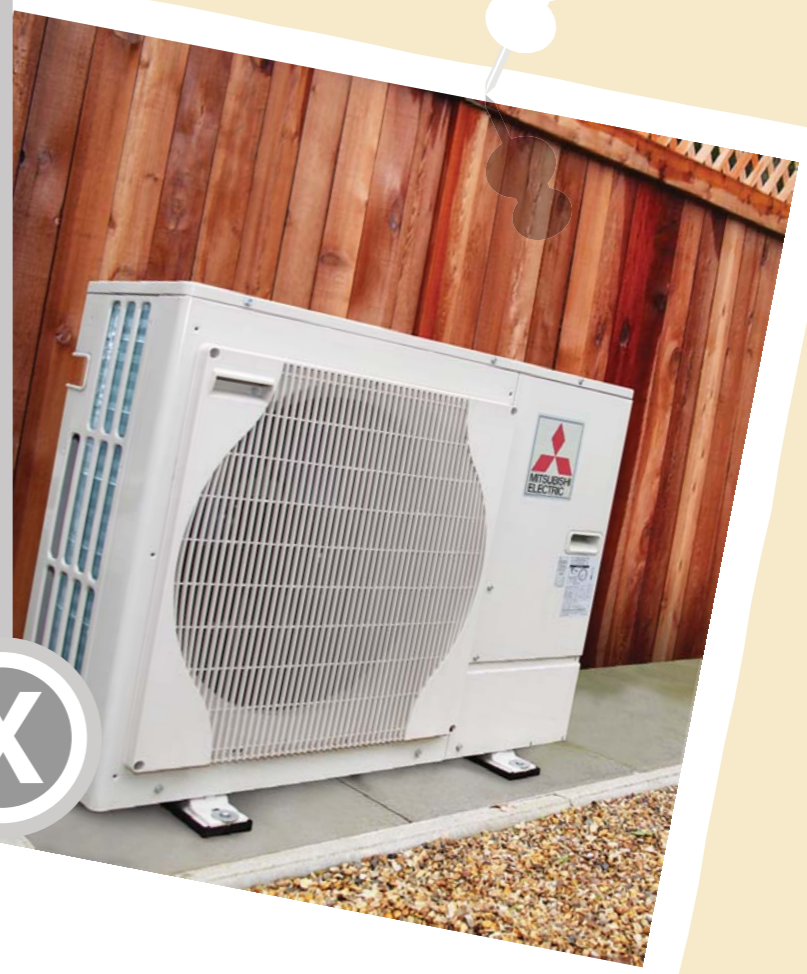
### The proposed new system

- ❖ 5kW Ecodan air source heat pump
- ❖ High pressure cylinder
- ❖ Control your Ecodan on the go
- ❖ New radiators
- ❖ Installation and commissioning



5kW Ecodan air source heat pump

## WITH ECODAN



Total cost  
£6,397

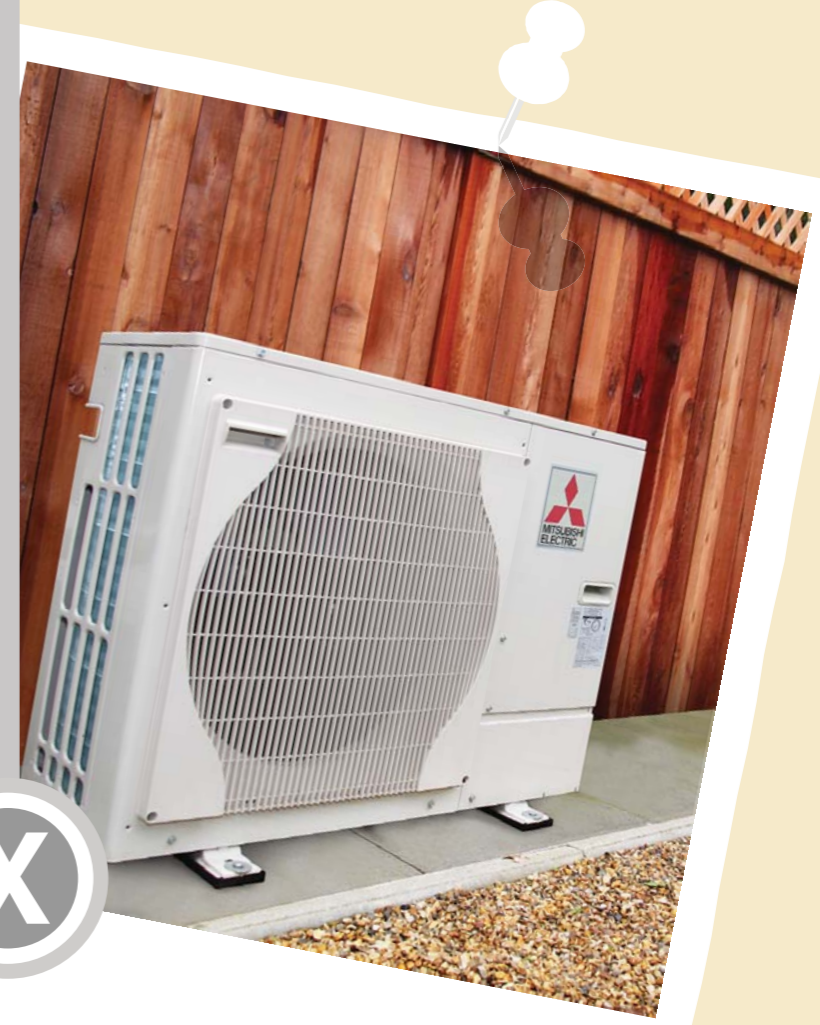
# EXAMPLE ONE ➤

## REPLACING THE EXISTING BOILER WITH ECODAN IN A TERRACE

- Built in 1996
- Cavity wall and loft insulation
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler

### The proposed new

- ❗ 5kW Ecodan air source
- ❗ High pressure cylinder
- ❗ Control your Ecodan on the go
- ❗ New radiators
- ❗ Installation and commissioning



total cost  
£6,397



⏪ BACK

CONTINUED ➤



# EXAMPLE ONE ➤

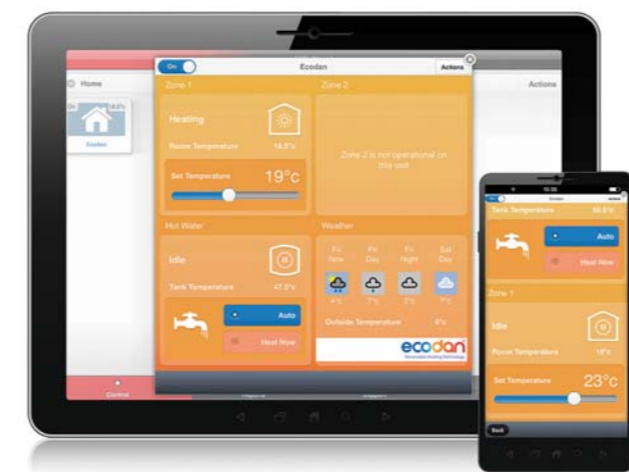
## REPLACING THE EXISTING BOILER WITH ECODAN IN A TERRACE

- Built in 1996
- Cavity wall and loft insulation
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler

### The proposed new system

- ① 5kW Ecodan
- ① High pressure cylinder
- ① Control your Ecodan online
- ① New radiators
- ① Installation and commissioning

MELCloud is Mitsubishi Electric's cloud based solution for fast and easy mobile control and monitoring of the Mitsubishi Electric Ecodan system from anywhere in the world, via your mobile phone, tablet or computer.



MELCloud™



£6,397



BACK

CONTINUED ➤

# EXAMPLE ONE ➤

## REPLACING THE EXISTING BOILER WITH ECODAN IN A TERRACED HOUSE:

- Built in 1996
- Cavity wall and loft ins
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler

### The proposed new system

- ① 5kW Ecodan air source
- ① High pressure
- ① Control Ecodan o
- ① New radiators
- ① Installation and commissioning

Ecodan produces water at a lower temperature than a traditional gas or oil fired boiler, it is therefore important to check if your existing radiators are large enough to get the optimum performance.



## EXAMPLE ONE ➤

# REPLACING THE EXISTING BOILER WITH ECODAN IN A TERRACED HOUSE:

- Built in 1996
- Cavity wall and loft ins
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler

### The proposed new system

- ① 5kW Ecodan air source
- ① High pressure cylinder
- ① Control your E
- ① New radiators
- ① Installation and commis

Your installer will take care of installation and set up so you don't have to worry.

In order to claim RHI the installer you choose needs to be MCS approved.



⏪ BACK

X

CONTINUED ➤

## EXAMPLE ONE ➤

# REPLACING THE EXISTING IN A TERRACED HOUSE:

- Built in 1996
- Cavity wall and loft insulation
- 3 bedrooms
- Modern oil boiler fitted
- Cost to fit a new boiler would be £1,800

### The proposed new system:

- ① 5kW Ecodan air source heat pump
- ① High pressure cylinder
- ① Control your Ecodan on the go
- ① New radiators
- ① Installation and commissioning

This was derived from the following assumptions:

Oil = 0.06 pence per kWh

Boiler efficiency = 95%

EPC heating and hot water requirement = 9,525kWh per year

Current oil cost  
£601 per year



Total cost  
£6,397



← BACK

CONTINUED ➤

## EXAMPLE ONE ➤

# HOW MUCH WILL I EARN OVER 7 YEARS:

Annual RHI payments = £471 per year\* 

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £220 per year 

**TOTAL EARNINGS  
OVER 7 YEARS = £4,837**

Payback period 6.8 years\* 

\*Taking into account the potential cost of replacing the existing boiler with a new boiler.



◀ BACK

NEXT ▶

# EXAMPLE ONE

## HOW MUCH

This was derived from the following assumptions:  
Ecodan COP = 3  
EPC = 9,525kWh per year  
Renewable heat = 6,350kWh per year  
RHI tariff = 7.42 pence per kWh of renewable heat

## OVER 7 YEARS:



Annual RHI payments = £471 per year\*

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £220 per year

TOTAL EARNINGS OVER 7 YEARS = £4,837

Payback period 6.8 years\*

\*Taking into account the potential cost of replacing the existing boiler with a new boiler.



## EXAMPLE ONE ➤

# HOW MUCH WILL I EARN OVER 7 YEARS:

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Running cost savings with  
Ecodan = £220 per year 

**TOTAL EARNINGS  
OVER 7 YEARS = £4,895**

Payback period 6.8 years\* 

\*Taking into account the potential cost of replacing  
the existing boiler with a new boiler.

SAVINGS WILL  
INCREASE AS FOSSTI ENH

This was derived from the following assumptions:

Electricity price = 0.12 pence/kWh

Ecodan COP = 3

Energy consumption = 9,525kWh / 3 = 3,175kWh

Energy price = £381 per year (heating and hot water)

Previous energy cost (£601) - Ecodan energy cost (£381) = £220

← BACK

NEXT ➤

# EXAMPLE ONE ➤

## HOW MUCH WILL I EARN OVER 7 YEARS:

Annual RHI payments = £471 per year\* 

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £220 per year 

TOTAL EARNINGS OVER 7 YEARS = £4,800

Payback period 6.8 years\* 

\*Taking into account the potential cost of replacing the existing boiler with a new boiler.

The payback period takes into account that RHI payments will stop after 7 years and only savings in fuel costs apply after this point. This does not account for changes in fuel prices.

SAVINGS WILL BE ERODED BY FOSSIL FUEL PRICES RISE!

⬅️ BACK

NEXT ➤



# CAN I KEEP MY EXISTING BOILER?

YES!

ECODAN CAN WORK  
IN TANDEM WITH  
YOUR BOILER



PLUS YOU WILL STILL  
RECEIVE BENEFIT  
FROM THE RHI



AND YOUR  
INSTALLATION COSTS  
WILL BE KEPT TO  
A MINIMUM



← BACK

EXAMPLE TWO →

# CAN I KEEP MY EXISTING BOILER?

YES!

ECODAN CAN WORK  
IN TANDEM WITH  
YOUR BOILER



PLUS YOU WILL STILL  
RECEIVE BENEFIT  
FROM THE RHI



AND YOUR  
INSTALLATION  
WILL BE  
A MIN

Mitsubishi Electric's latest control system will decide when your existing boiler is used, to ensure the lowest possible running costs.



BACK

EXAMPLE TWO

# CAN I KEEP MY EXISTING BOILER?

YES!

ECODAN CAN WORK  
IN TANDEM WITH  
YOUR BOILER



PLUS YOU WILL STILL  
RECEIVE BENEFIT  
FROM THE RHI



AND YOUR  
INSTALLATION COSTS  
WILL BE KEPT TO  
A MINIMUM

You will still receive RHI  
payments for the heat  
provided by Ecodan.



BACK

EXAMPLE TWO

# CAN I KEEP MY EXISTING BOILER?

YES!

ECODAN CAN WORK  
IN TANDEM WITH  
YOUR BOILER



PLUS  
RECEI  
FROM

In many cases the existing radiators may be retained and if your existing boiler is still to provide hot water, then there may be no need for a new cylinder.



AND YOUR  
INSTALLATION COSTS  
WILL BE KEPT TO  
A MINIMUM



BACK

EXAMPLE TWO

## EXAMPLE TWO ➤

# KEEPING THE EXISTING BOILER IN A DETACHED HOUSE:

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler

Current oil cost  
£1,500 per year



### The proposed new system:

- ① 8.5kW Ecodan air source heat pump
- ① Control your Ecodan on the go
- ① Existing radiators and hot water cylinder
- ① Installation and commissioning

Total cost  
£8,640



← BACK

CONTINUED ➤

# EXAMPLE TWO ➤

## KEEPING THE A DETACHED HO

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler



8.5kW Ecodan air source heat pump



### The proposed new system

- ① 8.5kW Ecodan air source heat pump
- ① Control your Ecodan on the go
- ① Existing radiators and hot water cylinder
- ① Installation and commissioning

**Total cost**  
**£8,640**

⬅ BACK

CONTINUED ➤

# EXAMPLE TWO ➤


## KEEPING THE EXISTING BOILER IN A DETACHED HOUSE

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler

### The proposed

- ① 8.5kW Ecofan air source
- ① Control your Ecodan
- ① Existing radiators and hot water cylinder
- ① Installation and commissioning

MELCloud is Mitsubishi Electric's cloud based solution for fast and easy mobile control and monitoring of the Mitsubishi Electric Ecodan system from anywhere in the world, via your mobile phone, tablet or computer.



MELCloud™



£8,640

BACK


CONTINUED ➤

# EXAMPLE TWO ➤

## KEEPING THE EXISTING BOILER IN A DETACHED HO

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler

Ecodan produces water at a lower temperature than a traditional gas or oil fired boiler, it is therefore important to check if your existing radiators are large enough to get the optimum performance.



- The proposed new system
- ① 8.5kW Ecodan
  - ① Control Ecodan
  - ① Existing radiators and
  - ① Installation and commissioning

10,000





# EXAMPLE TWO ➤

## KEEPING THE EXISTING BOILER IN A DETACHED HOUSE.

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler

### The proposed new system

- ① 8.5kW Ecodan air source
- ① Control your Ecodan
- ① Existing radiators and
- ① Installation and comm

Your installer will take care of installation and set up so you don't have to worry.

In order to claim RHI the installer you choose needs to be MCS approved.



← BACK

CONTINUED ➤

## EXAMPLE TWO ➤

# KEEPING THE EXISTING A DETACHED HOUSE:

- Built in 1985
- 4 bedrooms
- 8 year old oil boiler

Current oil cost  
£1,500 per year



This was derived from the following assumptions:

Oil = 0.06 pence per kWh

Boiler efficiency = 85%

EPC heating and hot water requirement = 21,225kWh per year

X



Total cost  
£8,640

### The proposed new system:

- ① 8.5kW Ecodan air source heat pump
- ① Control your Ecodan on the go
- ① Existing radiators and hot water cylinder
- ① Installation and commissioning

← BACK

CONTINUED ➤

## EXAMPLE TWO ➤

# HOW MUCH WILL I EARN OVER 7 YEARS:

Annual RHI payments = £991 per year\* 

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £317 per year 

**TOTAL EARNINGS  
OVER 7 YEARS = £9,156**

Payback period 6.3 years 



SAVINGS WILL  
INCREASE AS FOSSIL FUEL  
PRICES RISE!

◀ BACK

NEXT ▶

## EXAMPLE TWO

# HOW MUCH?

This was derived from the following assumptions:

Ecodan COP = 2.7

EPC = 21,225kWh per year

Renewable heat = 13,364kWh per year

RHI tariff = 7.42 pence per kWh of renewable heat

## 7 YEARS:

Annual RHI payments = **£991 per year** \*

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = **£317 per year**

**TOTAL EARNINGS OVER 7 YEARS = £9,156**

Payback period 6.3 years

SAVINGS WILL INCREASE AS FOSSIL FUEL PRICES RISE!

BACK

NEXT

## EXAMPLE TWO ➤

# HOW MUCH WILL I EARN OVER 7 YEARS:

Annual RHI payments = £991 per year\* 

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £317 per year 

## TOTAL EARNINGS OVER 7 YEARS

Payback period 6.3

This was derived from the following assumptions:

Electricity price = 0.12 pence per kWh

Ecodan COP = 2.7

Energy consumption = 21,225kWh / 2.7 = 7,861kWh

Energy price Ecodan and fossil fuel = £1,183 per year (heating and hot water)

Previous energy cost (£1,500) - Ecodan and fossil fuel energy cost (£1,183) = £317

SAVINGS WILL INCREASE AS FOSSEL FUEL

X

BACK

NEXT ➤

## EXAMPLE TWO ➤

# HOW MUCH WILL I EARN OVER 7 YEARS:

Annual RHI payments = £991 per year\* 

\*Average with 2.5% inflation per year

Running cost savings with Ecodan = £317 per year 

TOTAL EARNINGS OVER 7 YEARS = £9,743

Payback period 6.3 years 

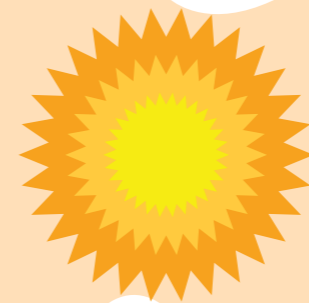
The payback period takes into account that RHI payments will stop after 7 years and only savings in fuel costs apply after this point. This does not account for changes in fuel prices.

THINGS WILL HAPPEN IF FOSSIL FUEL PRICES RISE!

← BACK

NEXT →

# THOUGHT ABOUT COMBINING YOUR ECODAN WITH SOLAR THERMAL?



**i** Solar thermal systems produce hot water virtually free

**i** Solar thermal attracts an RHI tariff of 19.3 pence per kWh

**i** Solar thermal usually requires a special type of cylinder to be fitted

**i** Why not fit a solar thermal ready cylinder now and save £1,000s in the long run

[← BACK](#)

[NEXT →](#)

# THOUGHT ABOUT COMBINING YOUR ECODAN WITH

## SOLAR THERMAL?

A small amount of electricity is used to drive a pump and controls.

X

**i** Solar thermal systems produce hot water virtually free

**i** Solar thermal attracts an RHI tariff of 19.3 pence per kWh

**i** Solar thermal usually requires a special type of cylinder to be fitted

**i** Why not fit a solar thermal ready cylinder now and save £1,000s in the long run

BACK

NEXT



# THOUGHT ABOUT COMBINING YOUR ECODAN WITH

## SOLAR THERMAL?

Solar thermal attracts an RHI tariff of 19.3 pence per kWh for the hot water it produces. This is in addition to the payments received for the Ecodan heat pump.

**i** Solar thermal produce hot water **X** lly free

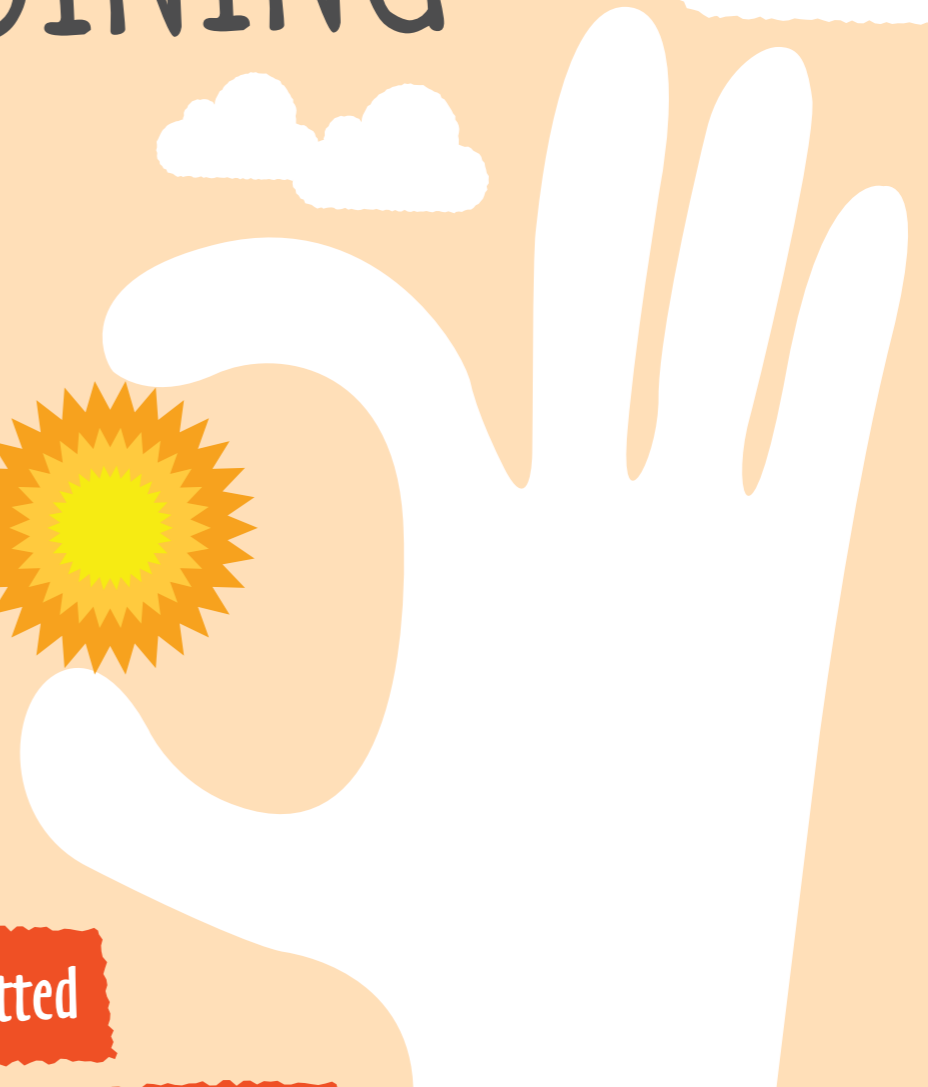
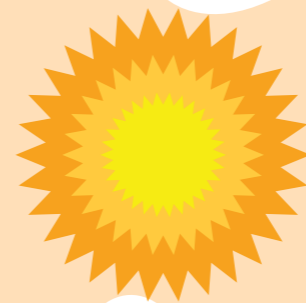
**i** Solar thermal attracts an RHI tariff of 19.3 pence per kWh

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 BACK

NEXT 



# THOUGHT ABOUT COMBINING YOUR ECODAN WITH SOLAR THERMAL?

This is known as a twin coil cylinder, it needs to have a coil for the solar thermal and a coil for the Ecodan, standard cylinders only have one coil fitted. The coil exchanges the heat from the solar thermal or Ecodan into the hot water that you use around the home.

**i** Solar

y free

**i** Solar thermal can kill carbon of 17.5

**X**

kWh

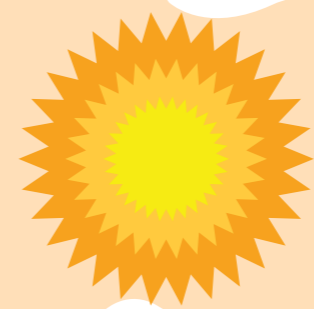
**i** Solar thermal usually requires a special type of cylinder to be fitted

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**←** BACK

NEXT **→**

# THOUGHT ABOUT COMBINING YOUR ECODAN WITH SOLAR THERMAL?



**i** Solar thermal is initially free

The special twin coil cylinder does not cost much more than a standard one, so if you want to use solar thermal at a later date then consider fitting one when you have your Ecodan fitted - this will be a lot cheaper than having to replace the cylinder at a later date.

**i** Solar thermal is per kWh

**i** Solar thermal requires a special type of cylinder to be fitted

**i** Why not fit a solar thermal ready cylinder now and save £1,000s in the long run



 BACK

NEXT 

# WANT EVEN MORE RHI PAYMENTS?

Did you know that there is an extra £230 a year available if your Ecodan is metered 

- This pays you an extra **£1,610** over 7 years
- Submit your online reading every quarter
- Upfront costs are only **£674** including 12 months rolling data subscription plus fitting



 BACK

NEXT 

# WANT EVEN MORE RHT PAYMENTS?

For further information visit the  
Ofgem website: [ofgem.gov.uk](http://ofgem.gov.uk)

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 BACK

NEXT 

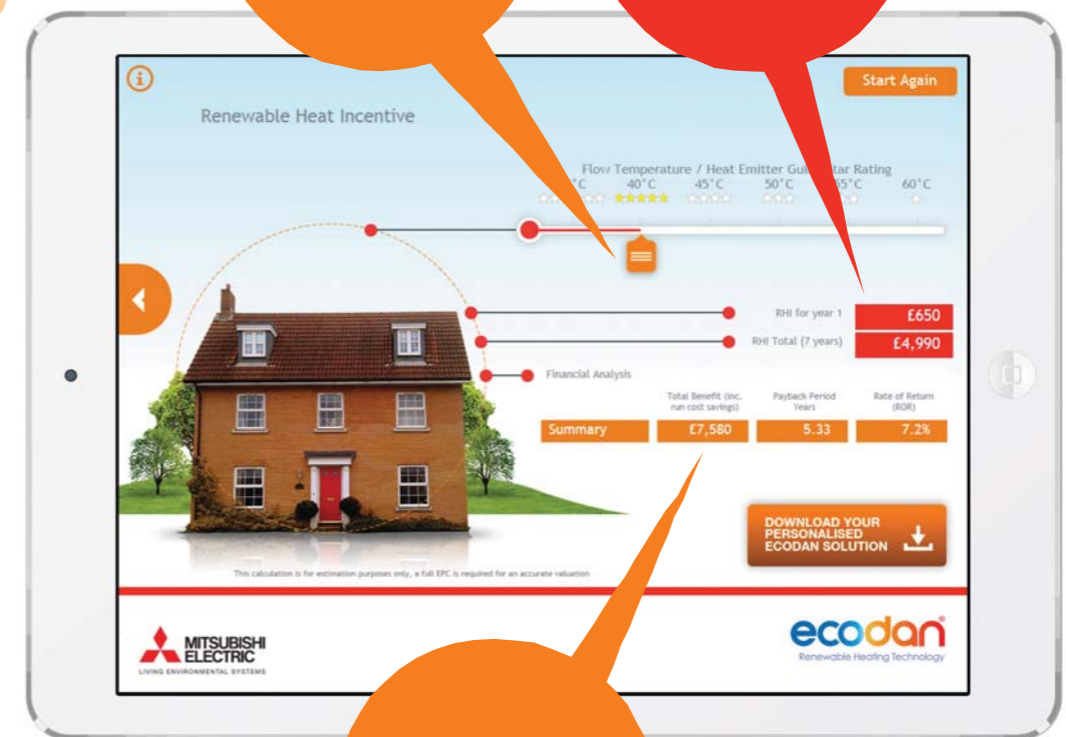
# WHAT DOES ECODAN AND THE RHI MEAN TO MY HOUSE?

The new **Ecodan Selection Tool** allows you to get an insight into what this technology could deliver to your home and the RHI calculation tool section will help to work out your approximate RHI payments.

Based on the information entered, the **Ecodan Selection Tool** will produce a financial report detailing the benefits that Ecodan users can expect to receive. These include tailored information on the overall cost saving benefits; including total running costs, carbon emissions as well as the all-important RHI payment figure.

Visit the Ecodan Selection Tool website for more information

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



Adjustable flow temperature to see how it affects RHI payments

Approximate Renewable Heat Incentive payment

Financial analysis summary

BACK

NEXT

# ECODAN SERVICE & MAINTENANCE PACKAGES

In order to enable you to get the maximum performance throughout your Ecodan's working life, you need to ensure that the system is serviced and maintained annually.

This is important not only to comply with the warranty conditions, but also to meet the demands of the Renewable Heat Incentive (RHI) scheme, with the minimum requirement of an annual service.

Mitsubishi Electric offers a range of service and maintenance plans to support Ecodan heating systems and give our customers affordable peace of mind.

**BENEFITS INCLUDE** 

 **BACK**



**NEXT** 



# ECODAN SERVICE & MAINTENANCE PACKAGES

In order to enable you to get the most out of your Ecodan throughout its working life, it is important that the system is serviced and maintained.

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Mitsubishi Electric offers a range of service and maintenance plans to support Ecodan heating systems and give our customers affordable peace of mind.

- Premium service levels
- Complements and maintains warranty
- Prolongs the life of your Ecodan
- Ensures that your Ecodan is operating at maximum efficiency
- Offers complete reassurance
- Ensures your system complies with RHI
- Offers remote control and monitoring

**BENEFITS INCLUDE** 

 BACK

NEXT 



# TAKE A LOOK AT WHAT SOME ECODAN USERS ARE SAYING!

Mr Maddison, Northumberland 

Mr Gray, Northumberland 

The Knight Family, Bedfordshire 



 BACK

NEXT 

# TAKE A LOOK AT WHAT SOME ECODAN USERS ARE SAYING!

Mr Maddison, Northumberland 

Mr Gray, Northumberland 

The Knight Family, Bedfordshire 

“Ecodan is the ideal solution for us: no fuss, no mess, and very economical, I am really pleased with its performance.”



 BACK

NEXT 

# TAKE A LOOK AT WHAT SOME ECODAN USERS ARE SAYING!

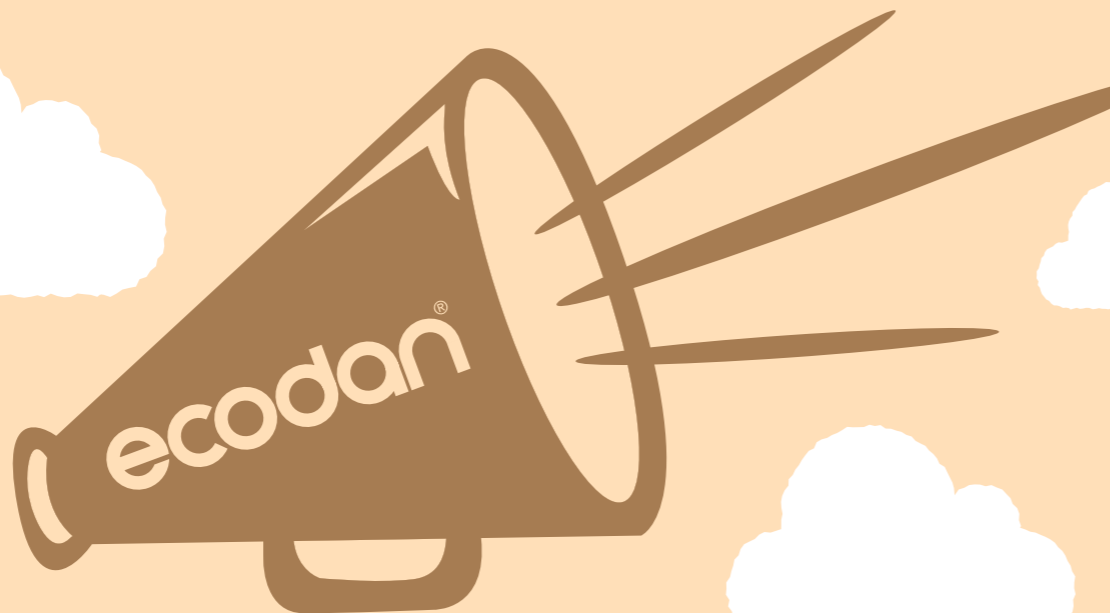
Mr Maddison, Northumberland 

Mr Gray, Northumberland 

The Knight Family, Bedfordshire 

“ My company has a wealth of experience in renewables so I know a thing or two about them and how they perform. I didn't want to compromise on efficiency and performance, or pay a prohibitive price to run it, and it would have to fit with my existing water cylinder.

I am also very aware of environmental issues so I wanted a system that would reduce my carbon output too. So with all these things in mind, I chose an 8.5kW Ecodan to do the job. ”



 BACK

NEXT 

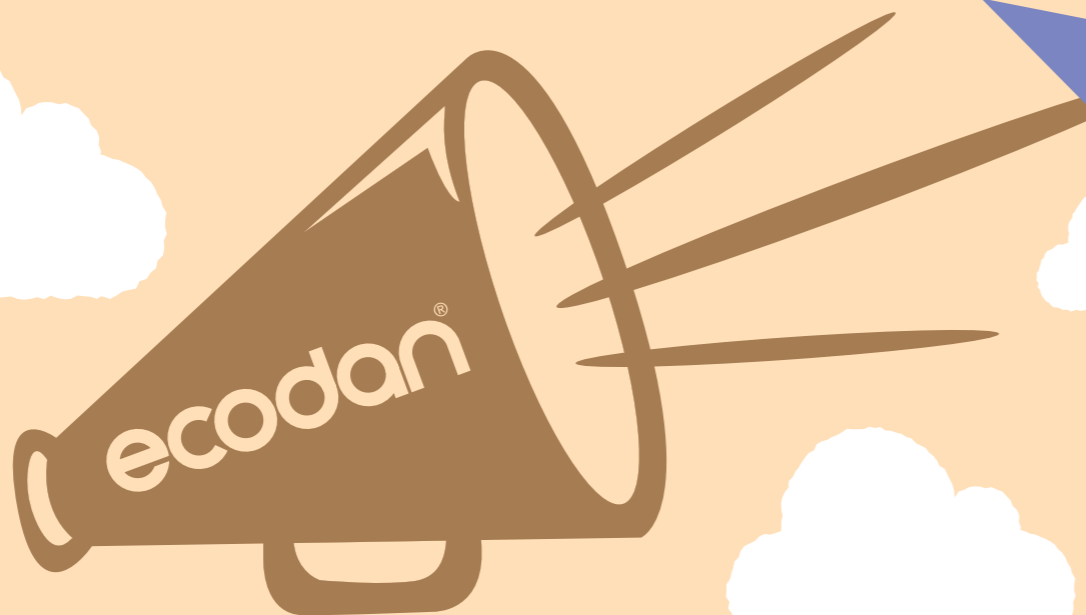


# TAKE A LOOK AT WHAT SOME ECODAN USERS ARE SAYING!

Mr Maddison, Northumberland 

Mr Gray, Northumberland 

The Knight Family, Bedfordshire 



“ We have been delighted with the heating and especially the constant temperature it provides.

The system has also quickly adapted to suit our lifestyle and controls both the heat pump and the gas boiler, so we really don't need to worry about anything. ”



 BACK

NEXT 

# FURTHER INFORMATION?

Click on the links below to watch the Ecodan videos



Ecodan for  
homeowners  
video

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customer testimonial  
videos

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[← BACK](#)

[NEXT ➤](#)



ecodan<sup>®</sup>

Renewable Heating Technology

FOR FURTHER INFORMATION ABOUT MITSUBISHI ELECTRIC'S  
ECODAN HEATING SYSTEMS AND THE RHI PLEASE VISIT:

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

