



# *Join the New Generation of* **Renewable Energy**



***Use the Earth's free energy to  
generate your own heat***

- REDUCE YOUR BILLS**
- REDUCE YOUR EMISSIONS**
- EASY INSTALLATION**



**Global Energy**  
Systems



Certificate No: MCS 1453



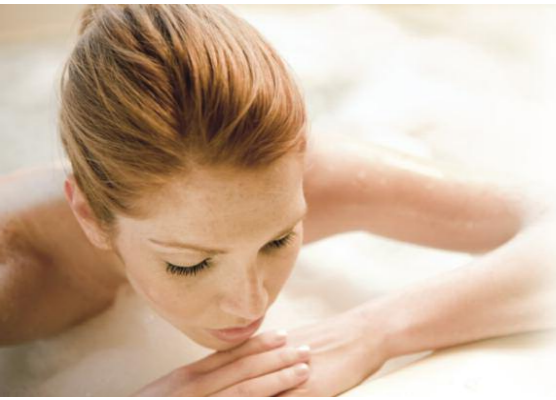
Certificate No: HP0010/01

Fabulously British 



## Eco Air Boiler product range

*Domestic hot water up to 80°C. Our heating system will retro-fit and provide central heating and domestic hot water (DHW) in sub zero temperatures whilst still delivering a high Coefficient of Performance (COP)*



### Product range:

#### LONDON

9 kW central heating & DHW up to 80°C

#### MADRID

9 kW central heating & DHW up to 80°C & cooling mode

#### MANHATTAN

9 kW Manhattan swimming pools & central heating

#### CALIFORNIA

23 kW central heating & DHW up to 80°C & cooling mode



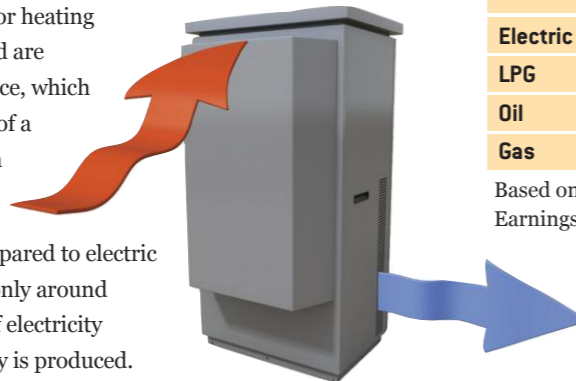
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The ECO AIR BOILER Heating Systems use free ambient heat from the earth's atmosphere. This is converted into energy that heats domestic water, central heating radiators and under-floor heating systems. They are simple to install systems and are designed to adapt to any environment and space, which means they can be discreetly fitted to the side of a building and any pre existing unvented system which is located inside the home.

The Eco Air Boiler is up to 400% efficient compared to electric immersion heaters and gas boilers which are only around 100% and 92% efficient. For every one 1 kW of electricity bought from the grid, up to 4kW of heat energy is produced.



### Eco Air Boiler estimated savings

	Savings	Earnings	Total
<b>Electric</b>	<b>£1993</b>	<b>£1625</b>	<b>£3618</b>
<b>LPG</b>	<b>£1385</b>	<b>£1625</b>	<b>£3010</b>
<b>Oil</b>	<b>£1113</b>	<b>£1625</b>	<b>£2738</b>
<b>Gas</b>	<b>£537</b>	<b>£1625</b>	<b>£2162</b>

Based on 30,000 kWh annual heat demand  
Earnings assumer current RHI estimates

## Key features

- Free domestic hot water up to 80°C
- Huge savings on heating bills
- Provides central heating and domestic hot water like a standard heating system
- Works with retro fit systems radiators and under floor heating and fan convectors
- Easy to install
- Extremely quiet
- Remote system monitoring
- Touch screen control with scheduler
- High efficiency evaporation system means high flow temperatures and high COP on the coldest of days
- Operates down to -20° C
- Single phase low starting currents



- Complete system ready to install, delivered with tank pre-plumbed and controller
- No back up heating required
- Low carbon heating system
- MCS approved system for government grants

## Take control of your heating system

### ECO TOUCH

- Modern, state of the art heating and cooling control unit
- Specifically designed to be extremely user friendly
- Change your heating, cooling and central heating schedules at the push of a button
- Easy to install and looks great in any home

- The Eco Touch communicates directly with your Eco Air Boiler making changes instantaneous
- Displays information to keep you up to date with your systems performance
- Automate your home and take control
- Intelligent control logic to ensure your heating demands are satisfied by auto detecting temperature drops, ensuring efficiency all year round
- Low cost control unit suitable for all homes and buildings



## Eco store

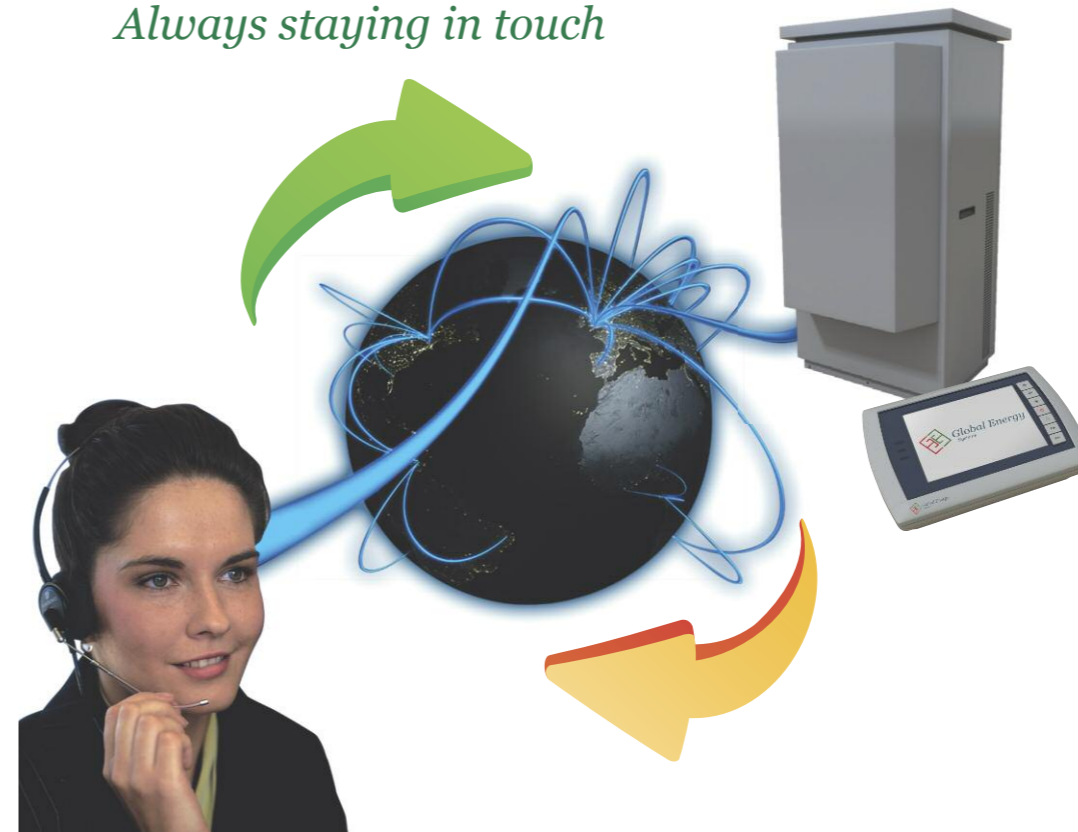
*Hot water when you want it*

- Available in 200, 250 & 500 litre cylinders or bespoke sizes
- Stainless steel tank for long lifetime
- All of Global Energy Systems' tanks are supplied with all necessary pumps and equipment for quick and simple installation. This is exclusive to Global Energy Systems
- Foam injected insulation
- G3 Building Regulation kit supplied with tank
- Uniquely designed by Global Energy Systems' engineers



## Eco link

*Always staying in touch*



The Eco Link is a special dedicated communication system that works between the Eco Air Boiler and our very own offices here at Global Energy Systems. It can be used to remotely turn heating on and off with the ability to change settings. This allows us to always support the customer quickly, efficiently and remotely.

## The use of fan convectors and radiators



### Fan convectors - alternative to underfloor heating

Fan convectors are a cheaper alternative to underfloor heating and are a very effective way of distributing heat generated from the Eco Air Boiler. Fan convectors give instant warmth just when it is needed as well as a cooling option when coupled with our heating and cooling Eco Air Boilers, perfect for the summer months. Please contact Global Energy Systems for information on our approved partners heating and cooling Fan Convectors.



### Double panel convection radiators

We recommend double panelled radiators which are designed to circulate hot air over large surface areas, providing greater amounts of heat than standard conventional radiators. Our partner's radiators are designed specifically to be compact and affordable, providing highly efficient heat to complement your Eco Air Boiler system.

### Under floor systems

Global Energy Systems' range of Eco Air Boilers are also fully adaptable to under floor heating systems and provide the most efficient method of maintaining the high heat demand.

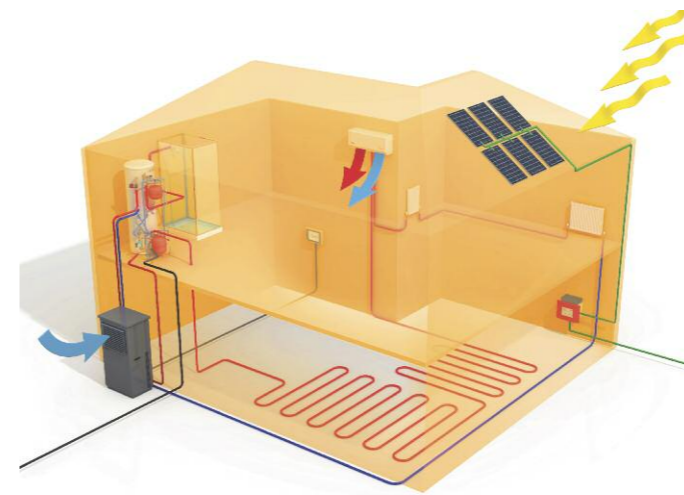
Under floor heating has the benefit of being operated at low temperatures as opposed to fan convectors and panel radiators, most of which operate at higher temperatures. Speak to one of Global Energy Systems' representatives and we can advise you further about under floor heating and its benefits.



## Manhattan Eco Air Boiler for your swimming pool

### Luxury doesn't have to cost a fortune

- Can maintain constant temperature for all size pools
- Designed as a low cost system with a simple yet state of the art electronics
- Highly efficient ensuring economic running cost of your pool
- Designed for easy installation
- Simple control interface
- Long life expectancy and minimal servicing required reducing maintenance costs
- Remote monitoring available
- Can be installed with solar panels providing free power to run your swimming pool
- Very low electrical consumption



### Heating & Power System

Global Energy Systems, combining Solar PV with the Eco Air Boiler to potentially create free heating and power.

## Heat and Power System (HAPS)

Utilise the energy that surrounds you every day to power your heating system at home for almost FREE. Global Energy Systems' HAPS solution is the integration of solar panels and the Eco Air Boiler, both of which have a long life expectancy. For the home owner with enough roofing area why not make the further investment of installing solar panels to produce electricity, which can be sold back to the national grid.

*Save money and contribute to saving the planet*



## Energy savings

- With enough solar panels you will generate FREE heat energy
- Zero carbon system, making you a global friendly household
- Low cost system to purchase, thanks to government funding and early payback
- Easy, stress-free installation
- In all a great investment for the future

*Imagine! No more expensive energy bills EVER again!*

To assist our customers with the purchase of Global Energy Systems' HAPS systems our products are accredited by the relevant government bodies making grants potentially available for you.

Join in the new generation of renewable energy - get in touch with us now! Save significant amounts of money by providing your own independent heating system.



### Heat and Power System estimated savings

	Savings	Earnings	Total
Electric	£2287	£2953	£5240
LPG	£1596	£2953	£4549
Oil	£1303	£2953	£4256
Gas	£665	£2953	£3618

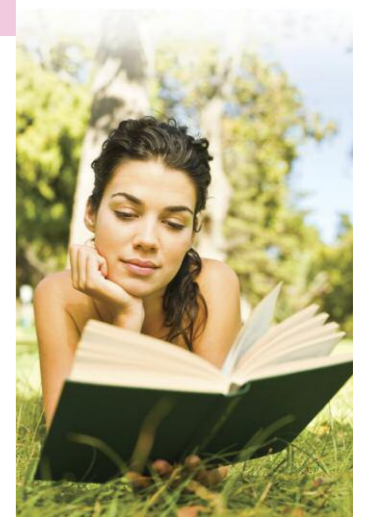
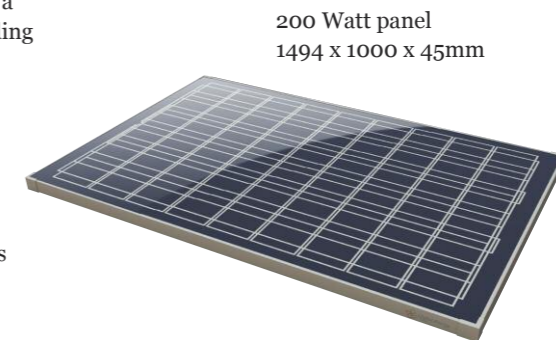
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Earnings assumer current RHI/FIT estimates

## PV Solar panels

### Efficient and affordable

PV solar panels can be used to offset some of the electricity that our Eco Air Boiler uses to heat a property, they are one of the key factors in aiding a property to become carbon neutral.

- 50-70% efficient even in grey skies
- 100% efficient in blue skies
- MCS accredited ensuring eligibility for the Governments Feed In Tariff (FIT) payments
- Supplied with electronic inverter to direct surplus energy back to the grid
- Available up to 200 Watts



Please contact Global Energy Systems for information on our approved solar PV panels.



## Your Eco Air Boiler system

*A complete system,  
ready to install*

### Communal systems

Global Energy Systems also offers an exclusive service to develop large and small systems for communal projects.

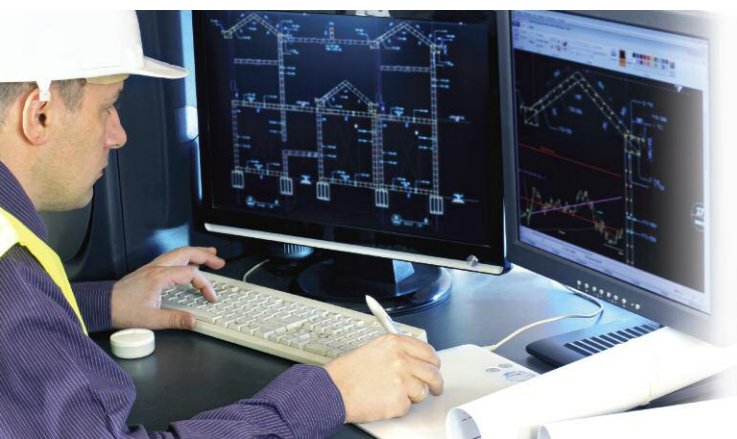
For example a housing developer wanting to begin construction on a block of apartments using a renewable energy efficient system. Global Energy Systems' engineers will calculate the exact heating and cooling output necessary to satisfy the heating and hot water demand and design a plant system using the most economical number of Eco Air Boilers.

Our engineers have come to specialise in these systems as they have become more popular and cost effective during the past years of increased construction development in the UK.

*All of our systems can be tailored to meet individual needs and budgets*

### Installation

*Laying the foundations for the future and everlasting comfort*

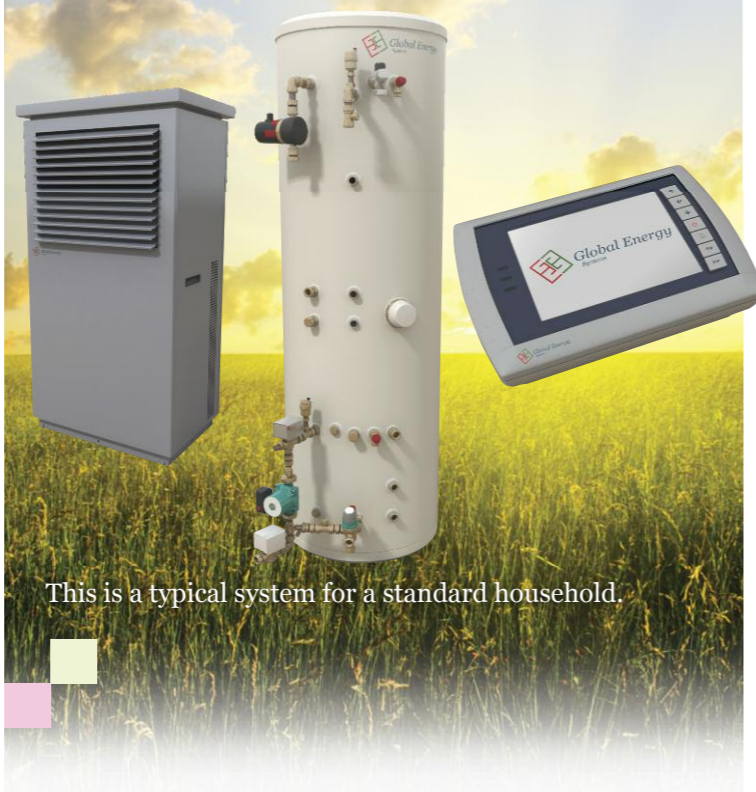


Global Energy Systems offers a full range of MCS accredited installation options, whether it be a small domestic home, industrial site where a plant of heating and cooling systems is required or large housing developments. We will always endeavour to ensure we offer you the most efficient system at the lowest cost possible.

### Your standard Eco Boiler System includes:

- An air source Eco Air Boiler
- A new hot water cylinder available in all sizes
- Global Energy Systems' exclusive easy to use touch screen controller

It is as simple as that!



This is a typical system for a standard household.

### Global Energy Systems installation process

- Friendly free consultancy meeting between you and Global Energy Systems
- Technical site survey
- In house meeting held to discuss project. This will involve project manager and technical director
- Full site schematics designed using CAD
- A dedicated project manager will be assigned to the client to ensure all needs are met and high project efficiency
- Global Energy Systems will carry out a full site installation using our accredited installation team to ensure our clients are compliant for grants
- Global Energy Systems also offers a whole system support package after installation and can also provide remote monitoring

If you just require an Eco Air Boiler System and have your own installers we are happy to deliver to you direct and offer any support necessary.

## Accreditation and Grants

We are not only accredited as a manufacturer of air source heat pumps by the Microgeneration Certification Scheme (MCS) but also as an installer, this allows full access to any government grants or incentives on offer. Global Energy Systems can help you to identify grants available to you.

The Renewable Heat Incentive has been confirmed as coming into place in June 2011, but the details of the implementation and assessment have not yet been released.

Our London Eco Air Boiler has MCS certificate number HPO010/01 and is listed on SAP appendix Q by BRE for energy performance assessment.



### Finance for companies available

*If you are a business we can recommend a source of finance or the Carbon Trust may be able to provide support*

### Fuel security

With freezing temperatures winter fuel price rises have become inevitable with increases of up to 60% in recent years. Eco Air Boilers allow you to take control of your bills through renewable energy generation. Operating down to -20°C Eco Air Boilers have saved our customers on their bill through the recent freezing winters.

When you do not have access to mains gas the winters also bring the challenge of deliveries. An Eco Air Boiler uses a fraction of its output in electricity, thus saving you money and freeing you from the risks of tankers not getting through and you being left without heating at the time you need it most.



## Frequently asked questions

### How do I get an Eco Air Boiler?

Please contact us at Global Energy Systems via telephone or email. We will discuss which system will be most suitable for you and then provide you with a free fixed price quotation with no hidden extras.

### What is the life expectancy of Global Energy's Eco Air Boilers?

The life expectancy of an Eco Air Boiler is 20 years; all Eco Air Boilers are sold with a 3 year warranty.

### What is the payback?

The payback period for an Eco Air Boiler is between 3 - 7 years.

### Can an Eco Air Boiler be used to cool the home as well as providing heat?

Our standard London and Manhattan Eco Air Boilers are designed specifically for producing just central heating and domestic hot water. However the Madrid Eco Air Boiler and other models are designed specifically to perform both operations, giving you even more from your energy saving system.

### What is the lowest temperature the Eco Air Boiler will perform at?

Our Eco Air Boilers will perform at outside ambient temperatures of -20°C.

### What size radiators should be used on installations linked to air-to-water heat pumps?

Global Energy Systems offers a service to calculate radiator requirements.

### Can the external Eco Air Boiler unit be hidden behind bushes, trees and fences?

Yes the Eco Air Boiler can be fitted very discreetly, but you have to be aware that wherever you position the unit it has to have adequate airflow available and the cold discharge air can be blown away from the unit.

### Is the Eco Air Boiler difficult to install?

The Eco Air Boiler is very easy to install. Our approved installers are always available to install your system, or alternatively if you wish to install it yourself we can provide support at all times.



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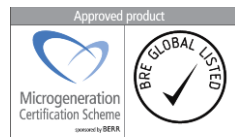
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**Shell**  
**Springboard**  
Regional Winner

