



# Agricultural

## Revolutionary Heating & Hot Water Technology

### Reliable Air Source Heat Pumps. Cut your bills and earn RHI

Heat pumps are used for heating and hot water which can be the heaviest uses of energy on a farm, especially where heat is needed all year round. Offering both substantial cost savings of up to 65% and demonstrating real carbon reduction, heat pumps have a key part to play in the food supply chain.

Global Energy Systems' heat pumps are well suited to all year round heating down to as low as -20° C. Thus they are ideal for farrowing, weaning, fish rearing, propagation and are very effective for heating water for hot washes in dairies. They have been used for many years in commercial and domestic properties for both heating and hot water.

All our heat pumps are supplied with easy to use control and information functions which are viewable on-line, allowing remote control and monitoring via computer or mobile phone.

### Key Benefits

- ✓ Reduce your heating bills by up to 65% and earn Renewable Heat Incentive for 20 years
- ✓ Single unit solutions up to 140kW
- ✓ Built-in remote monitoring service
- ✓ Check your system, data costs, graphs and statistics online
- ✓ Colour touch-screen controller with time scheduler
- ✓ Zero emissions on site
- ✓ Very easy to retrofit to existing systems

### Our Air Source Heat Pumps are perfect for...



### Heat Pump Range

- 8kW Oxford
- 10kW Thurso
- 14kW Winchester
- 18kW Caernarfon
- 70kW Lincoln
- 140kW Cambridge

## Weaning and Farrowing Sheds

Global Energy Systems have been working closely with agricultural farmers for a number of years, providing great savings with air source heat pumps and their built in control strategies.

Being required all year round, heating for hot water can be the heaviest use of energy on a farm. Cutting this cost is essential for famers.

We have seen great savings made by our customers along with significant RHI incentive payments, together providing huge financial benefits to our customers.

### CASE STUDY 1

- ✓ 90 Crate farrowing building
- ✓ Heat pads with under-floor heating
- ✓ 45Kw Air source heat pump
- ✓ RHI accredited installation
- ✓ Current annual running cost with ASHP £8,000
- ✓ SCOP 2.8
- ✓ Over £10,000 savings
- ✓ RHI earnings of £5,000 per year
- ✓ 4.3 year payback period with additional 15 years RHI payment incentive



### CASE STUDY 2

- ✓ 64 Crate farrowing and weaning building
- ✓ Heat pads with under-floor heating
- ✓ 1x 45Kw & 1x 23Kw Air Source Heat Pumps together
- ✓ RHI accredited installation
- ✓ Current annual running cost with ASHP £6,000
- ✓ SCOP 3.1
- ✓ Over £6,000 savings
- ✓ RHI earnings of £4,000 per year
- ✓ 3.7 year payback period on installation with additional 16 years RHI payment incentive

These two installations were both built, installed and accredited between 2015 and 2016. With alternative options such as oil, LPG and direct electric heaters available, the customers decided to install Global Energy Systems air source heat pumps. Both installs are wet systems designed for under floor fed heat pads.

The ever growing relationship Global Energy Systems has with key building and heating suppliers for farrowing and weaning houses has led to a number of further installations of a similar nature. These too are providing customers with great savings and RHI incentive payments.

For more information visit [www.globalenergysystems.co.uk](http://www.globalenergysystems.co.uk) or call +44 (0) 3333 444 414

