



## A heat pump that really performs at an economical cost

Modern heat pumps for domestic heating are normally ground sourced heat pumps. Although recognised for their potential environmental benefits, current designs are still prohibitively expensive when compared to modern high efficiency condensing boilers and therefore are seldom considered for domestic usage.

Our client has built and tested a completely new design of heat pump that has overcome the four historically acknowledged problems associated with heat pumps:- capital cost, aerodynamic losses encountered with the large air flow rates required, airflow icing and heat exchanger efficiency.

Their work has resulted in a physical unit that now consistently generates data proving that it can operate at coefficients of performance far in excess of conventional condensing boilers. It has overcome the four previously stated problems resulting in the potential for a **revolutionary, energy efficient, domestic hot water generator occupying a similar space and at a similar cost to accepted hot water central heating boilers on the market today.**

We believe the product has the potential to replace condensing boilers as the automatic choice for new house fitment and to make significant inroads into the replacement market too.

The experienced engineers in our client's team are currently building and testing the second prototype that will embody the pre-production design changes and will be available for independent assessment in 2007.

We are now seeking a commercial partner who, with sufficient foresight and market reach, will be able to take over the design for manufacturing and fully commercialise this product internationally.

**For further discussion, please contact David Mooring at:-**

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