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HEAT RECOVERY SYSTEM FROM ADM HELPS ECO CHAMPION SAVE MONEY

An eco-champion in Buckinghamshire has installed a heat recovery with mechanical ventilation (MVHR) system from ADM in two barn conversions.

ADM is one of the UK's leading suppliers of MVHR systems and offers a complete design through to installation and commissioning service.

The barns, one of which has been sold and the other is now occupied by Ray Marzec, the eco champion, will form part of what will eventually become an eco centre, including café, farm and holiday apartments.



Ray Marzec chose the MVHR systems from ADM because the company offers one of the widest selections of leading brands in the UK, including the highly efficient Vent Axia range.

MVHR systems from ADM can be used in both refurbishments and new build properties. They are relatively straightforward to install in both project types – Ray, with the help of ADM's technical guidance, fitted the systems himself in the two barn conversions.

“The MVHR systems have made a huge difference to the comfort and energy efficiency of the properties,” said Ray Marzec, owner of the eco development. “They were a central part of helping us achieve the very highest standards of sustainability and we were delighted with the range and service offered by ADM.”

One of the properties on this development uses a domestic oil heating system, whilst the other, occupied by Ray, uses multi fuel – in this case mainly timber. The barn conversions are built from a mix of brick and timber weatherboarding.

The MVHR systems are able to recover over 90 per cent of the heat from the outgoing stale air before feeding it back into the properties as warm, fresh, filtered air. Reusing this heat, which would normally be lost to the outside air through passive ventilation, has helped the property owners save a significant amount on their heating bills.

In addition, the occupiers immediately noticed that the MVHR system eliminated condensation from everyday activities such as cooking and washing. It does this by reducing relative humidity to below 65 per cent, creating a much healthier indoor air quality.

Lower relative humidity prevents the proliferation of house dust mites that thrive where there is warmth and moisture. The detritus from these organisms has been shown to cause asthma and other breathing related conditions, along with damp, fusty odours.

The MVHR system provides a continuous low level of background ventilation, which has been designed to regularly change all the air in the property. This has again provided another benefit as it does this while the windows are closed – welcome relief for hay fever sufferers on high-pollen days as the house remains comfortably ventilated, whilst keeping the windows closed prevents troublesome levels of pollen inside the house.

Ray Marzec expects to open his eco café early next year and has already designed it with another MVHR system from ADM.

For more information on ADM Systems, telephone: 01756 701051. Alternatively visit the website at: www.admsystems.co.uk

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