

Housebuilder chooses STIEBEL ELTRON for luxury barn conversion.

A close working partnership between installer Evans Energy, developer ASE Build Ltd and STIEBEL ELTRON delivers successful project for new eco home



Careful planning leads to flawless execution

WPL A-07 Premium air source heat pump delivers high efficiency whilst 2 x LWF AR 1.5 MHVR units help provide perfect air conditions via the MVHR system

Project Outline

- › 480 sq m 5.9kw new build barn conversion
- › WPL A 07 Premium with 2x SBB 300 trend DHW cylinders and 100l buffer.
- › 2x LWF AR 1.5 units which enable cooling via the MVHR system
- › Completed October 2025



A home built with the future in mind

MVHR and heat pump working together to maintain a perfect environment year round

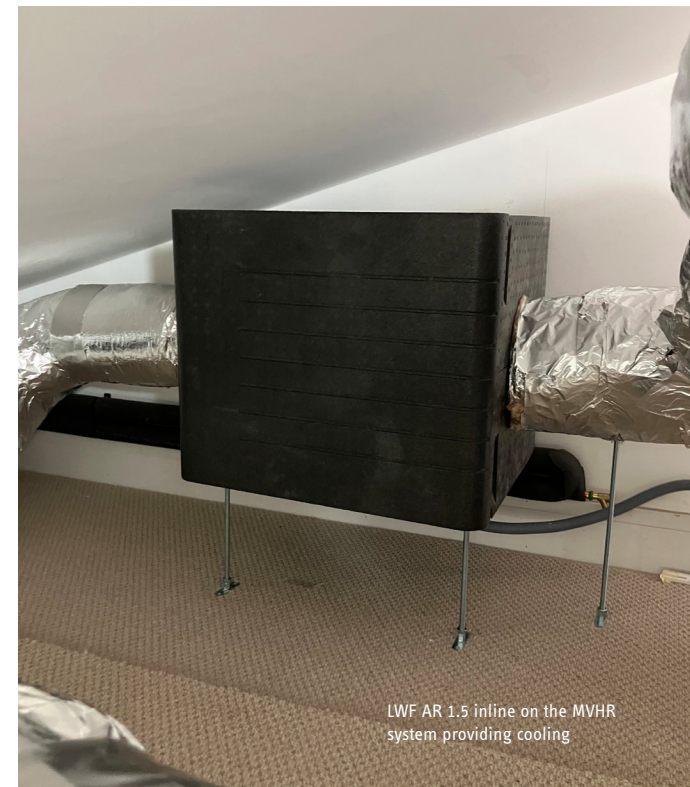
The objective was to build a well insulated eco home that the new home owner would enjoy with secured low energy costs for the future of the home. This has been achieved by integrating 14kw of solar PV with our WPL A 07 Premium heat pump and MVHR cooling module. Since the ASHP has been operating it has already achieved a COP of 7.

Underfloor heating downstairs creates a sleek, minimal finish and, along with the high insulation values of the building fabric and glazing, provides the ideal conditions for super-efficient and incredibly comforting winter heat.

Matthew Fitzpatrick of STIEBEL ELTRON said, "With the high level of insulation installed, creating the perfect summer climate was also critical. To achieve this, cooling was added via our LWF AR 1.5 accessory for MHVR systems. The home owner can now enjoy the spectacular views without needing to have windows open in hot weather, avoiding hay fever, insect bites and keeping the interior a comfortable temperature even on the hottest days."



A luxury supply of hot water is supplied by SBB 300 trend cylinders



LWF AR 1.5 inline on the MVHR system providing cooling

Partnership makes perfect

Manufacturer, installer and developer working together to achieve the aims of the project

Daryl Evans of Evans Energy said, "STIEBEL ELTRON sales and technical team provided us with the support to deliver on the vision ASE had for the property. They made planning and installation easy. We're also really impressed with the current COP of 7 during the lower temperatures in the autumn season. And it's even achieving a COP of 4.19 in DHW mode!"

A spokesperson for ASE added, "We craft the homes of the future, answering your needs and desires for an innovative home, even before you realise them yourself. Making sure that the heating and climate control for the building provide ultimate comfort and luxury is part of that promise. This project not only delivers on perfect temperature control and generous hot water, it also provides the future owner with low running costs and a degree of independence from the grid. STIEBEL ELTRON and Evans Energy made sure to work with us to deliver on our values and ensured that we delivered on both a high level of finish and performance for this building."



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