

AIR SOURCE HEAT PUMP INSTALLATION



STIEBEL ELTRON UK
TEL 0151 346 2300 FAX 0151 334 2931 | E-MAIL INFO@STIEBEL-ELTRON.CO.UK | WWW.STIEBEL-ELTRON.CO.UK

PROJECT DATA

Installation of WPL18e and WWK300 Air Source Heat Pumps
Messing Village Hall
Colchester
Essex

INSTALLER

Blueflame Services
2 Commerce Park
Whitehall Road
Colchester
Essex
CO2 8HX

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ISSUE 07_07 | 280787_L_1.5_07_07_BKN

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COMMUNITY CENTRE ASHP INSTALLATION



SAVING THOUSANDS OFF POUNDS IN OFF GAS AREAS

17th century Messing Village Hall has undergone a substantial eco-friendly refurbishment, boasting two air source heat pumps manufactured by leading green energy firm Stiebel Eltron.

Colchester based installers Blueflame Services have completed the fit-out of the cutting edge technology, which will heat the building as well as providing hot water.

Blueflame installed two products from Wirral based Stiebel Eltron – a WPL18e Air Source Heat Pump for space heating and WWK300 Air Source Heat Pump for domestic hot water. Messing Village Hall, which includes an extension built in the 1950s, has been fully insulated and also now boasts an environmentally friendly underfloor heating system.

Geoff Jackson of the Messing Village Hall Committee said: "It was always our intention that the project, with the help and co-operation of planning officers, should be-



Messing Village Hall is now a much warmer and comfortable home for community groups

come a showcase of what can be done with a listed building in a conservation area.

"The project development and sustainability study that was commissioned showed that by employing high standards of insulation and renewable methods of heating we could make significant savings of carbon dioxide emissions. These savings also make a contribution to the hall's finances and are thereby helping to ensure the hall's sustainability.

Geoff Jackson:

"It was always our intention that the project, with the help of planning officers, should become a showcase of what can be done with a listed building..."

"We have already had a lot of interest from community groups and organisations from across the area wishing to use our building."

Messing Village Hall is situated in an off gas area and was previously heated by oil, which proved both expensive and inefficient.

The retrofit project – which received funding from the Building Research Establishment Committee's Sustainable Energy Programme – will save 7,000 kilograms of CO2 a year.

Messing Village Hall is managed and owned by a committee which has worked with Rural Community Council of Essex, architects, and planners to integrate the

>> COMMUNITY HALLS ARE OFTEN HAMPERED BY BAD INSTALLATION AND LARGE RUNNING COSTS<<

energy efficient solution. By installing high standards of insulation and renewable methods of heating together with rain water recovery, it will ensure the village hall will have a low carbon footprint.

Mr Jackson added: "Our Parish Plan required that the Village Hall and its facilities should be evaluated. In response to this a refurbishment programme was drawn up with environmentally friendly and renewable methods high on the agenda. As a community building which is used extensively in the heart of the village it will

Mark McManus, Stiebel Eltron

be demonstrating to residents and visitors through this refurbishment programme the importance of combating the effects of climate change."

Stiebel Eltron managing director Mark McManus said: "Community halls are traditionally old buildings with bad installation means they are cold, uncomfortable and very expensive to heat.

"A growing number of these buildings are being brought up to current green standards and funding is available to help with installations. Unlike other systems heat pumps can also provide both heating for a property, and cooling in the summer months."

