



Ground source installed as part of green renovation project

The owner of a 1970s home near Diss, South Norfolk, is enjoying the benefits of renewable heating installed by Finn Geotherm as part of a major renovation project.

David moved to the three-bedroom home in 2010, with plans to renovate and extend it to create a larger but more energy efficient five-bedroom property. The original 1970s heating system was still in place and needed upgrading to modern standards and to incorporate the extra rooms being added.

David explained: "Extending the house was a large upheaval but it gave us an ideal opportunity to invest in green technology. I had heard of heat pumps but knew little of them so I did my research and approached Finn Geotherm to install a ground source heat pump. Ground source was the ideal option for us as the ground loop utilised the garden to provide all the heating and hot water for our new look, larger home. A government grant available at the time – the Renewable Heat Incentive – was also a huge help towards the cost of the project."

Finn Geotherm installed a Lämpöässä V10.5 ground source heat pump in 2010. New underfloor heating was fitted downstairs and in the bathrooms, while Jaga Low H2O radiators were installed in the new bedrooms and retrofitted in the existing ones. A solar array and battery were also installed which help provide electricity for both the heating and house in general.

David summed up: "More than a decade on and we're still very pleased with our ground source heat pump. It heats the house and water very well and is efficient and easy to use. The rooms maintain a steady temperature day and night - something I wasn't accustomed to with an oil-fired boiler. Another great advantage is that the whole system works on mains pressure so it's ideal for showering."

CO2 savings:

Since its installation, David's heat pump has saved approximately 60.17 tonnes of CO2.



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