



All creatures great and small benefitting from renewable heating

An expanding veterinary practice is benefitting from heating and hot water at reduced energy bills, thanks to a ground source heat pump installed by Finn Geotherm.

Hannah Kelly, owner of Wood Farm Vets, started the practice in 2014 to care for large and small animals. Initially, Hannah ran the practice from her home, a farmhouse in Wymondham, South Norfolk, but rapidly outgrew the premises.

Hannah Kelly explained: "The vets really started in the back of my car but quickly moved into my farm office. We soon began taking over the various other rooms in the house, from the kitchen to the hallway, as more and more patients came in. When my lounge became the waiting room, I knew we had to find a better solution."

Hannah began to renovate a grade two listed former corn barn on her land to create a modern mixed practice, capable of treating all manner of animals from horses to hamsters on-site. As part of the renovation, Hannah needed a heating and hot water system that would be able to cope with the demands of her busy business, as well as also servicing her house, which had previously relied on an oil boiler. Wood Farm Vets wanted a sustainable and future-proof solution so ground source heating was ideal.

With a generous amount of land available for a 1700m collector loop, Finn Geotherm specified and installed two Lämpöässä Esi 14 ground source heat pumps with a 1000litre Superheat thermal store. A former outhouse,

complete with built-in bread oven, was transformed into the plant house for the pumps and thermal store. The vets had both underfloor heating and radiators installed to work with the new heat pump and Hannah's house used its existing radiators. While the single phase electricity in the premises initially presented Finn Geotherm with a bit of a challenge, the careful specification of a system with two heat pumps working in tandem achieves outputs of around 30kW, which is way above other similar systems.

Hannah said: "I am so pleased with my ground source heat pump. The entire practice is warm – even dogs in the kennels can enjoy underfloor heating – and my team and I have access to up to half a tonne of hot water in one hit if we need it, which is brilliant when we're dealing with larger animal patients. My house has never been warmer too so after a hard day at work, I know I can return to warm home and don't even have to think about lighting the fire."

Key benefits:

- Delivers all hot water needed in vast quantities
- Heating both the vets and home using the same heat pumps
- Future-proof, sustainable system
- Low running costs
- Government payments through RHI

Call now on **01953 453 240**
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The renewable heating experts