



## Ground source heat pump creates cosy 1800s farmhouse

A ground source heat pump installed by Finn Geotherm is enabling the owners of a picturesque 1800s farmhouse in rural South Norfolk to enjoy a warm home and reduced energy bills.

While renovating redundant farm buildings on their land to create a new home for themselves, Michael and Judy Watson decided to upgrade the heating and hot water system in the farmhouse where they currently live. The house, originally two separate homes joined into one, will be passed to the Watson's family once the renovation is finished.

Judy Watson explained: "We had been giving a lot of thought to renewable heating for our new home and when we approached Finn Geotherm about the project, they suggested we could upgrade the existing oil-fired boiler system in our farmhouse at the same time. We were delighted when they told us we could actually heat both buildings from the same ground source heat pump."

Finn Geotherm specified and installed a Lämpöässä Emi 43 ground source heat pump and 1000litre Superheat thermal cylinder with uprated 60litre/minute coils. While a beautiful lake within the grounds could have been used for the 2200m ground loop, Finn Geotherm decided that the trenching would cause too much disruption to Judy and Michael's award-winning garden. Instead, the rapeseed field next to the Watson's house was chosen for the ground loop installation as the most practical option.

Judy said: "We were very pleased with the way in which Finn Geotherm approached our project, with both attention to our heating needs and also care for our property and grounds. This is our first year without oil and it has been fantastic. The house always used to have pockets of heat but now it is warm throughout all the time. We had 10 people here over Christmas and never ran out of hot water. We are very happy with how the new system heats our farmhouse and we are looking forward to being cosy in our new home in the future too."

This ground source installation is also benefiting from the government's Renewable Heat Incentive (RHI), a government financial incentive which rewards people and businesses for opting for renewable energy.

### Key benefits:

- Consistently warm home
- Heating two properties using the same heat pump
- No impact on the appearance of the property
- Low running costs
- Government payments through RHI

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