

Energy Efficient Property Development





Requirements

Underfloor heating on both the ground floor and first floor of each property in a high end housing development, each powered by an air source heat pump.

Solutions

Ground floors: ClipTrack® screed underfloor heating

Upper floors: LoPro®10 retrofit underfloor heating

Heat source: NIBE F2040 air source heat pump

A stunning development of five detached, four and five bedroom, barn-conversion-style new build homes in Appledore, Kent.

Nu-Heat was asked to design and supply an energy-efficient, low flow temperature heating solution using renewable technology for Magpie Farm, a luxury development of five new-build homes in Kent.

Installer: NDC Plumbing & Heating

Developer: TG Designer Homes

Working with Nu-Heat

Property developers TG Designer Homes frequently use underfloor heating (UFH) as a preferred method of heating their high end homes, so when it came to finding a heating solution for Magpie Farm – a stunning development of five, detached, four and five bedroom, barn-conversion-style new build homes in Appledore, Kent – they wanted a high end heating solution.

Magpie Farm consists of five houses of two designs, all of which have underfloor heating on both the ground and first floors.

Nick Cole, Director at NDC Plumbing and Heating, a Nu-Heat Registered Installer for the past five years, says: “We use Nu-Heat all the time because it is a decent product, they are efficient and good at what they do – and we have built up a good relationship with them over the years.”



He adds:

“What sets Nu-Heat apart from the competition is their design work and their handover manual, which is fairly comprehensive – they give that extra customer service.”

An energy efficient solution

Working together, Nick and the heating design experts at Nu-Heat decided on a system that best fitted the modern, high-end, housing development. They chose a heating system which incorporated some of Nu-Heat's most high performing heating solutions; ClipTrack® screed UFH on the ground floor and LoPro®10 retrofit UFH on the upper floors, fuelled by a NIBE F2040 air source heat pump.

Nick explains: “ClipTrack® screed UFH works well with polished concrete floor finishes and it's a particularly efficient way of heating floors. The LoPro®10 UFH is one of the best products out there for first floor underfloor heating because it works well with cement boards, which spread and hold the heat well.”

He adds: “The benefit to the homeowner of having a high-end heating system like this throughout their property is that the air source heat pump is renewable energy, reducing energy bills, and as there are no radiators on the walls, they have more options in terms of placing furniture in rooms and the house will hold its heat better. With underfloor heating, you heat the floor as a whole and this is a better way for the house to retain heat.”



Tailor-made solutions for all properties

Whatever the age, size or construction of your home, chances are it's suitable for underfloor heating. Whether you're plotting an extension, tackling a new build or giving your existing home a complete overhaul, Nu-Heat will design your underfloor heating to be the perfect fit, helping you to feel the difference.

Call Nu-Heat on **01404 515867** or email info@nu-heat.co.uk to discuss your upcoming projects. You can also view our [Underfloor Heating page](#) for more information.