

Underfloor Heating
& Controls **2018**

OMNIE.

Underfloor Heating
For every floor.
For every home.





Are you considering underfloor heating in your next project?

Whether you're renovating your existing home or building a new one, we've got the perfect system for your project.

Our team of experts have helped thousands of UK homeowners make the switch to underfloor heating. We take away the guesswork and mystery to make your transition to unbeatable heat as easy as possible.

Why not talk to your local OMNIE expert today to find out more.

Create a comfortable home with underfloor heating.

What is underfloor heating?

Put simply, underfloor heating is a series of pipes connected to your boiler, solar water heating system or heat pump, that circulate warm water throughout the floor in order to heat the space above it.

It can be installed in one room or a whole house, and within new builds or retrofit into an existing property.

The benefits...

Energy Efficiency

Underfloor heating systems run at lower temperatures than radiators meaning they require less energy. Less energy consumption means lower energy bills and a greener home.

More space

The clue is in the name- underfloor heating fits neatly under your chosen floor covering, meaning you won't even know it's there until you feel the comforting heat underfoot. Eliminating the need for radiators on the wall not only improves the home aesthetically, but also provides you with much more flexibility when planning the layout of your rooms.

Unbeatable heat

Underfloor heating provides gentle heat from the ground up, resulting in an even heat throughout the room, as opposed to cold spots and drafts found in homes with radiators as their primary heating method.

Hygienic

The results of switching to underfloor heating can be astounding. Studies show that installing radiant heating in your home can reduce the amount of dust mites present by up to 80%!

Safe

Underfloor heating eliminates the risk of contact burns and collision damage that can occur with radiators.

Did you know?

The feeling we get from the radiant heat produced by an OMNIE underfloor heating system is similar to the heat we feel from the sun.







Fast installation.
Minimum fuss.

**We take the hassle out of
underfloor heating from
design to delivery.**

Our team of experts have decades of experience in underfloor heating, and will ensure you get the best performance for the best price.

Case study: Contemporary kitchen renovation

Mr & Mrs Wells were undertaking a kitchen renovation in July 2017, which included a small extension into the garden with bi-fold doors to create the illusion of more space. Their builder suggested installing underfloor heating to free up the walls, and provide space for extra storage.

As this project was a renovation, it required a low build up system that would fit neatly under the new ceramic floor tiles with little disruption. Our LowBoard was the perfect solution at only 15mm in depth.

Our Layfast technology, which has been developed by our experts with over 30 years in the industry, enabled installation of the full system in under two days, meaning there was minimum disruption and fuss.





“

Our project manager was great. He listened carefully to what we wanted and gave us lots of ideas. I am so pleased we decided to include underfloor heating in our project. It makes the space really comfortable and inviting and leaves our walls blank so furniture layout is not restricted. I love it and our cat thinks it's great too!

”

Mrs Wells, Oxfordshire.

Contact an expert

Your local OMNIE expert is ready to help you start your project. To find out more, visit **[omnie.co.uk](https://www.omnie.co.uk)** and enter your postcode.

T: 01392 36 36 05

E: projects@omnie.co.uk

W: www.omnie.co.uk

Take Control with OMNIE Touch.

Touch allows you to take full control of your home heating.

Our new state of the art controls allow you to take control of your home heating, wherever you may be. Using innovative wi-fi technology, our new Touch system can control as many heating zones as you need, allowing for different temperatures in different rooms throughout the home. Furthermore, Touch can control and organise heating zones into floors, spaces and even different homes, all from our new Touch app.

Touch. Home heating made better.



The Touch Smartphone App

Login to your home anywhere - using the Touch smartphone app. Group together each Touch smart thermostat into bigger zones, or even floors, go further to group zones into different buildings, such as your main residence and holiday home.

The Touch app allows you to control each zone, whilst also allowing convenient setting of heating programs, holiday modes and even global programs across many zones at once. The Touch app can even send you notifications about your home temperature, such as if it gets too warm or too cold.



The perfect partners.

Perfectly designed for heat pumps, OMNIE underfloor heating can reduce running costs and work at low water temperatures.

Why heat pumps?

Renewable energy

A heat pump takes energy from the ground even at sub-zero temperatures. The absorbed energy is then transferred, at higher temperatures, to the home's heating and hot water system. The energy taken from the air or the ground is then replaced by energy from the sun.

Saving money

Although some electricity is needed to run a heat pump, it is up to five times more efficient than fossil-fuel systems. This saves money on running costs and reduces greenhouse emissions.

Cooling

Where cooling is needed, a heat pump can work in reverse cycle to produce chilled water. The chilled water can be used in conjunction with the UFH or chilled ceiling panels to provide mechanical cooling.

Incentives

Heat pumps also benefit from the Renewable Heat Incentive (RHI) which is a guaranteed payment for the amount of renewable energy produced for seven years for the domestic installation.

Reduce your running costs

Low temperature OMNIE underfloor heating works well with ground and air source heat pumps. Not only will a system that is designed to work at low temperatures reduce running costs, but also will benefit from increased Renewable Heat Incentive (RHI) payments. The range of underfloor heating products from OMNIE are designed to minimise the temperature of the water needed for your home.

Designed to be future proof

It is important that any heating system should be designed with the future in mind. If you install a heating system which depends on high water temperatures it is impractical to change in the future to a heat source which provides water at low temperatures. Every heating system should now be designed to enable the homeowner to retrofit renewable technologies in the future. This involves designing the system for the lowest possible water temperature.



Heat Pumps not only present big savings on energy usage, they are also eligible for the Renewable Heat Incentive.

Renewable rewards

Renewable Heating Incentive

The rate payable is dependent on the efficiency of the system, specifically the water temperature needed by the heat emitter.

Using lower temperature water in an OMNIE underfloor heating system increases the amount of RHI that can be claimed.

To be able to claim the RHI it is necessary to provide room-by-room heat loss calculations and to then demonstrate that the chosen heat emitter will meet those losses. The RHI benefits installations smaller than 45kW for refurbishments, retro-fit and self builders.

Commercial RHI is available for multiple dwellings, please contact our office for details.

Running costs

The running costs of a heat pump will, of course, depend on the heat loss of the building, just like a conventional boiler would. In addition the efficiency is improved and the running costs reduced with low temperature OMNIE underfloor heating.

Efficient

The average efficiency of the heat pump over the year is called the Seasonal Performance Factor (SPF) and is important in determining the RHI payment.

Heat Source	Cost per unit of fuel (p/kWh)	Efficiency (%)	Cost per unit of heat (p/kWh)	Relative cost
Ground Source	12p*	340%	3.5p*	-
Air Source	12p*	270%	4.4p*	+26%
Gas	4p*	85%	4.7p*	+34%
Oil	4.5p*	85%	5.3p*	+51%
Biomass	5.5p*	85%	6.5p*	+86%
LPG	6p*	85%	7.1p*	+103%

*Heat source efficiency and fuel cost will vary.

Taking the next step...

If you're interested in exploring the idea of installing underfloor heating into your new or existing home, don't hesitate to get in touch. We have a team of experts covering the whole of the UK and Channel Islands who are happy to provide further information and discuss the best system for your home.

Ways to get in touch



Visit **www.omnie.co.uk** and type your postcode into the quote tool. This will provide you with contact details for the expert in your area. You will then be given a variety of contact options and times.



Call **01392 363 605** between the hours of 8:30am - 5:00pm Monday to Fridays.



Email **projects@omnia.co.uk**

Quick quote

To speed up the enquiry to quote process, grab a tape measure and measure the dimensions of the area you'd like a quote for, or if you already have plans drawn up, send those over with your enquiry.

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OMNIE.

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For every home.

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