

The UK's most trusted underfloor heating specialists



Hydronic 'wet' systems

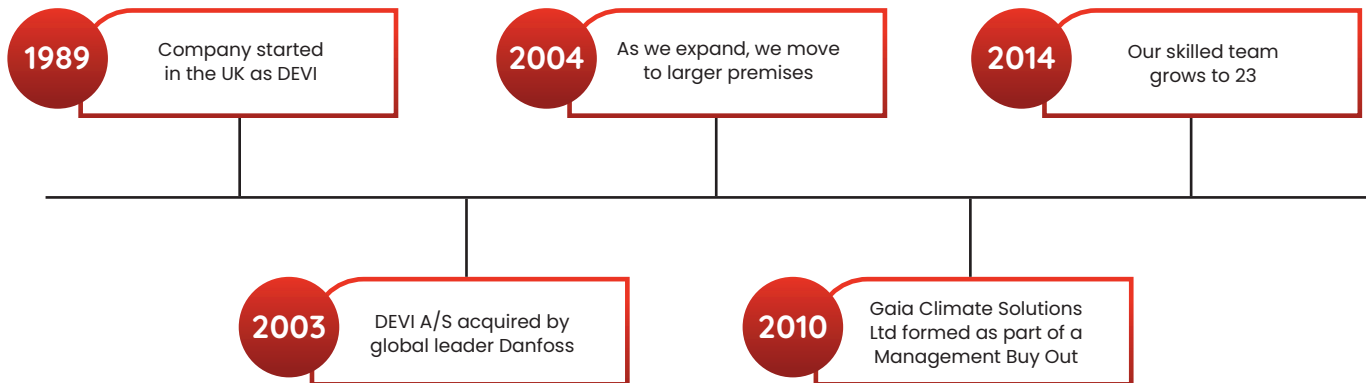


Electric 'dry' systems

“

Whenever we need underfloor heating, we trust Gaia to deliver

”



Our accreditations include:



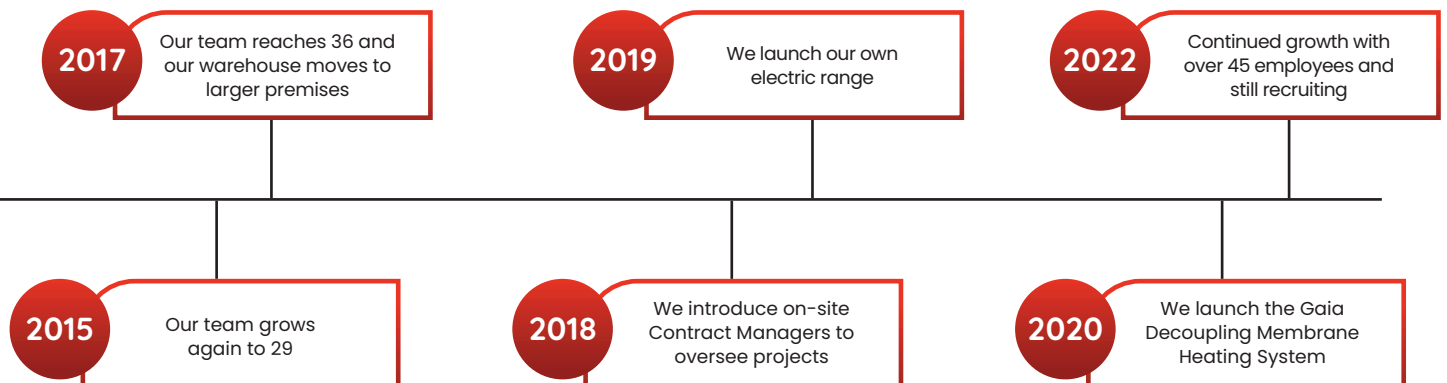
About us

For over 30 years, we've been one of the UK's most trusted names in underfloor heating.

We specialise in the design, supply and installation of both hydronic 'wet' and electric 'dry' underfloor heating systems for residential, commercial and industrial properties and developments.

We've forged lasting relationships with our clients built on the success of the projects we deliver for them.

From planning to completion, our proactive and professional team is by your side throughout your project.



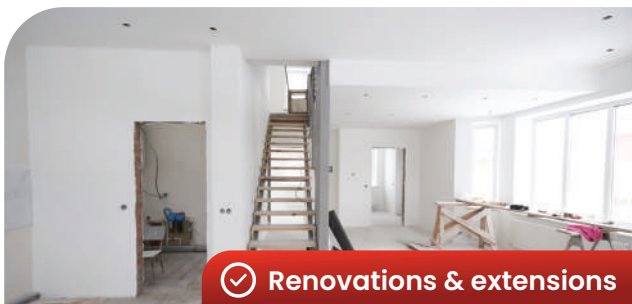
Understanding underfloor heating

Underfloor Heating is a highly effective, efficient and controllable way to heat almost any room, home or commercial property.

Underfloor heating comes in two main forms – hydronic (wet) or electric (dry).

It consists of either centrally-heated water pipes or electric heating elements installed beneath the floor to provide all-round warmth.

Ideal for



The key benefits

✓
Heats an entire room evenly – no cold spots

✓
Saves space – no radiators or heaters

✓
Easy to install – in new and existing properties

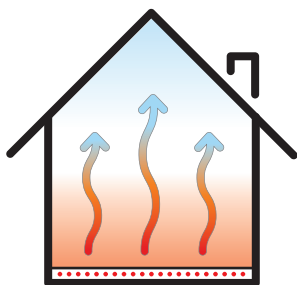
✓
Maintenance Free

✓
Easy to control and maintenance-free

✓
Costs up to 40% less to run than conventional heating



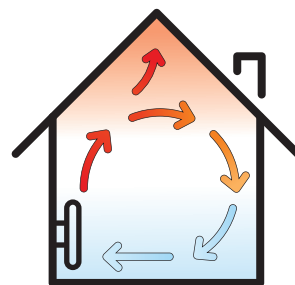
Underfloor heating is up to
25% more efficient
than traditional radiators



Underfloor heating

Underfloor heating warms the room evenly to eliminate cold spots

VS



Traditional radiators

Traditional radiators rely on convection currents to slowly circulate rising hot air

Completing your project in 6 easy steps

At Gaia, we're trusted to deliver a professional service from initial stages through to project completion.

And, we do this in just **6 simple steps...**



1

Initial conversation

We'll discuss your needs and find the very best solution for your project, timescale and budget

2

Proposal

Our expert team will create an easy-to-understand quotation with clear costs and milestones within 7 working days



Contract Managers

Our contract managers offer site visits, should your project require specialist evaluation

3

Design

We'll provide full CAD drawings, pipe/mat layouts and heat loss calculations, all to British Standards EN 1264 (for wet systems)

4

Delivery

We guarantee quick shipment from our warehouse for an on-time delivery at any UK location

5

Installation

If required our in-house installation team will expertly fit your underfloor heating system using over 30 years' experience

6

Support

We're here for you from start to finish – and beyond – with close support, expert advice and industry-leading product warranties

Our guarantee

Your project completed smoothly and on-time, using the best products with market-leading warranties

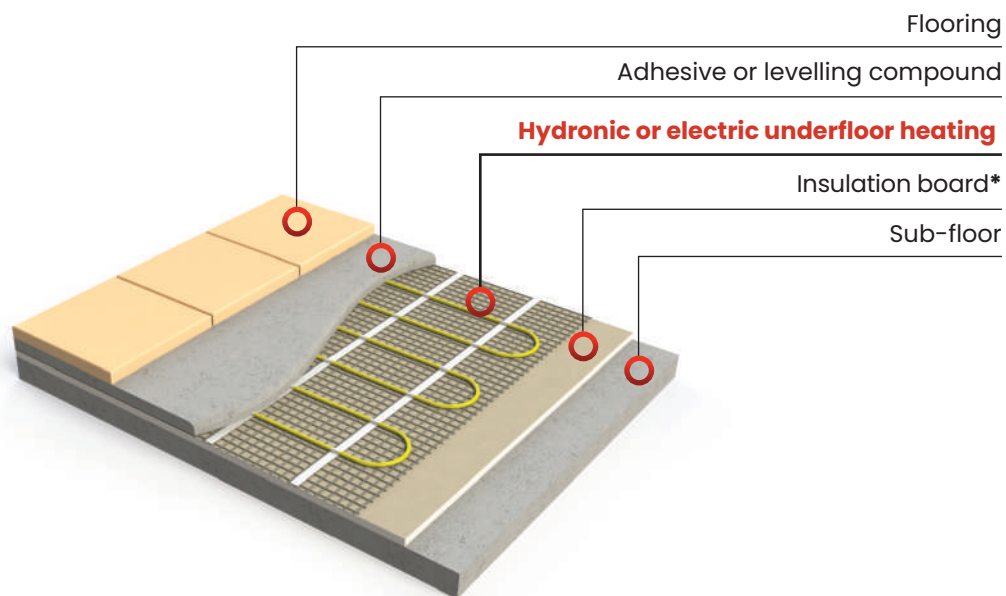
Everything you need for ideal underfloor heating

Here at Gaia, we design and install the most suitable and effective underfloor heating system for your specific needs.

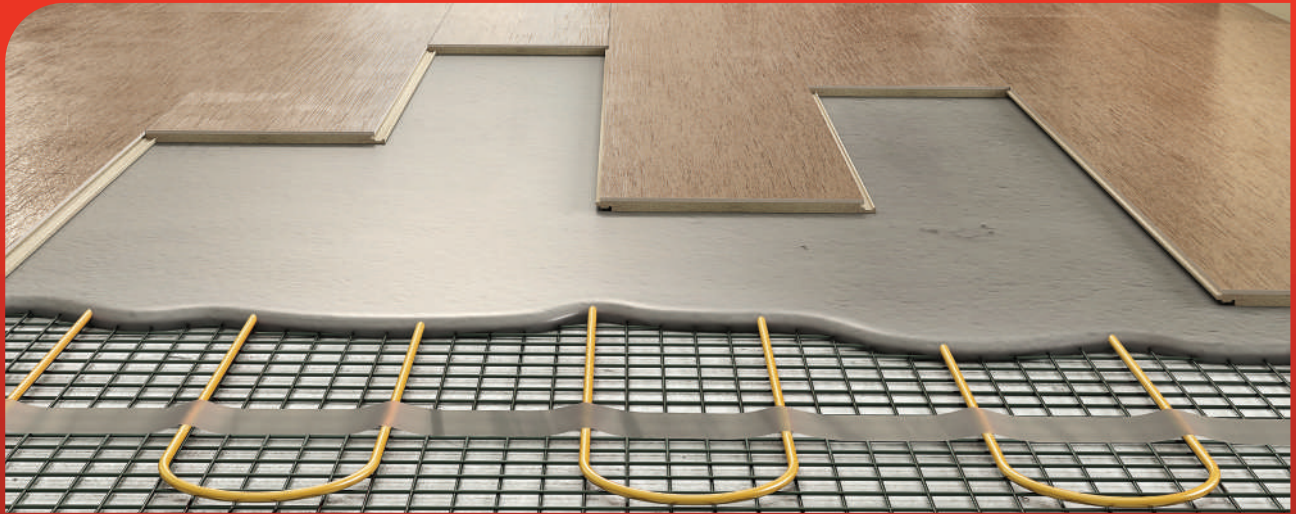
Underfloor heating comes in two main types – electric or 'dry' systems and hydronic or 'wet' systems

Each have advantages and specific applications for which they are most suited.

Fortunately, we specialise in both...



*Required for electric mat system



⚡ Electric (dry) systems

In an electric or 'dry' underfloor heating system, a series of electrical heating elements are installed within or beneath the floor to heat the room.

The solutions we install include our proven Gaiamat and Gaia Decoupling Membrane and Heating Cable systems.



💧 Hydronic (wet) systems

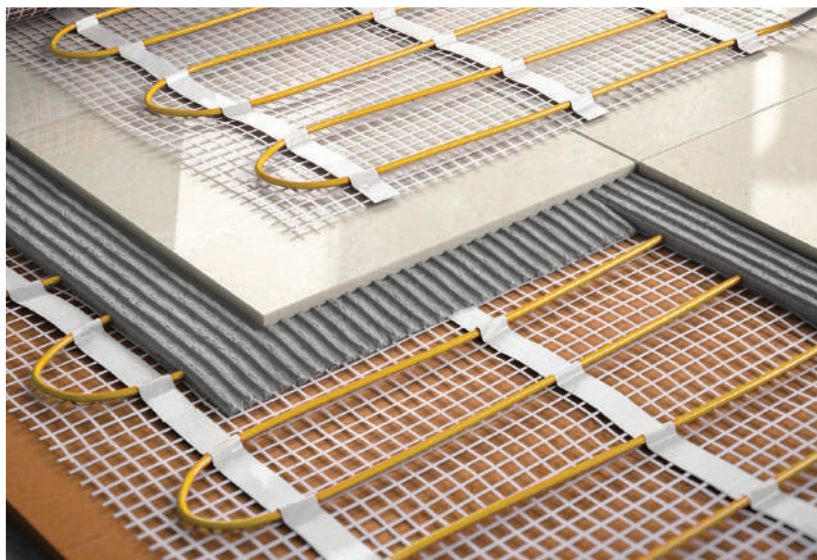
In a hydronic or 'wet' underfloor heating system, a series of pipes are installed within or beneath the floor and connected via a manifold to the property's boiler or heat pump.

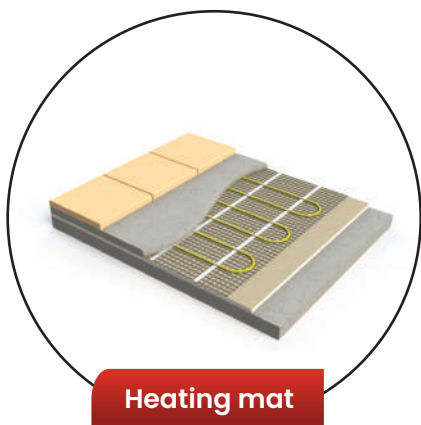
The solutions we install include our proven Gaia System which fits perfectly into screed, aluminium plates or grooved overlay.

Electric 'dry' underfloor heating systems

The electrical heating elements (cables) which provide warmth can be secured under flooring in a number of ways

- ✓ Easy to install in individual rooms
- ✓ Independent controls and quick to provide warmth
- ✓ More energy efficient than traditional heating
- ✓ An electricity supply is all that is required
- ✓ Minimum floor build up required



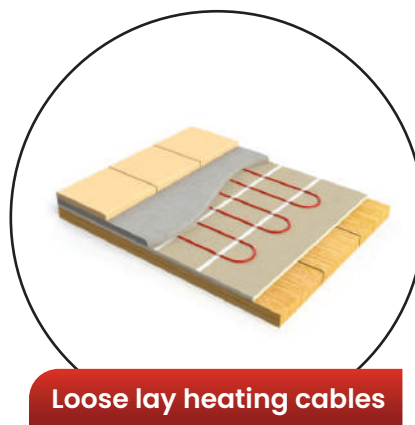


Heating mat

Heating mats feature electric heating elements secured to a mesh mat which can be rolled out and installed within or beneath flooring.

They are ideal for:

- Open and regular shaped rooms
- Covering larger areas
- Living spaces, bedrooms, offices

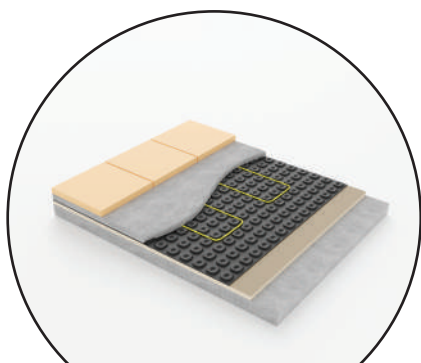


Loose lay heating cables

For irregular areas or the edges of a room, loose heating cables can be positioned wherever they are required. They can be individually secured or via our decoupling membrane.

They are ideal for:

- Bathrooms – around toilets, basins or baths
- Kitchens – around sinks and kickboards

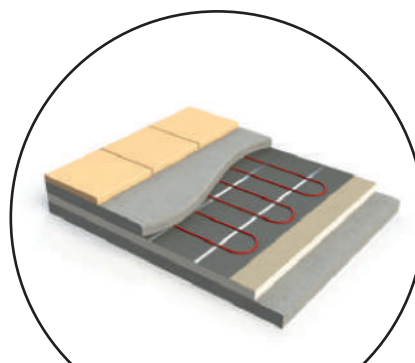


Decoupling membrane & heating cables

Decoupling Membrane can be cut to shape and features an open grid into which loose heating cables can be positioned and held in place.

They are ideal for:

- Irregular areas and around obstacles
- Situations where loose cables need to be quickly and easily secured



For frost protection

Heating cables can be used for frost protection to prevent ice forming in areas where it may be hazardous or cause damage.

An intelligent controller monitors the external temperature to ensure the minimum energy is used to prevent frost forming.

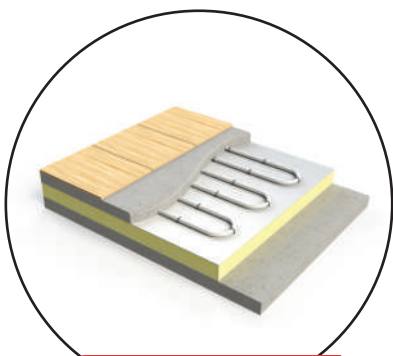
Frost protection is ideal for:

- Protecting water pipes, roofs, gutters and downpipes
- Protecting asphalt, concrete or tiled surfaces
- Avoiding the use of salt or grit
- Car parks, driveways, pavements, loading areas, bridges

Hydronic 'wet' underfloor heating systems

The pipes which carry hot water for wet underfloor heating can be easily fitted to many common surfaces and situations

- ✓ Makes use of existing boiler and heating system
- ✓ Saves space compared to radiators
- ✓ Creates a more consistent warmth
- ✓ More energy efficient than traditional heating
- ✓ Installed at first stage of build



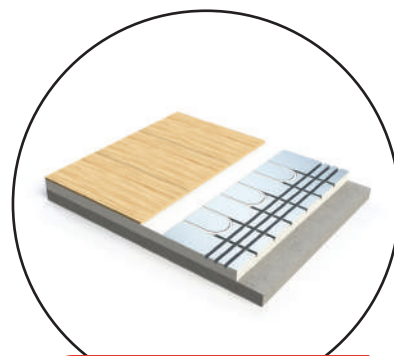
Direct into screed

Wet underfloor heating pipes can be laid directly onto many existing floors and screeded over. The screed acts as a thermal mass helping to dissipate the heat.

Pipe spacing can be varied as required, with 200mm gaps typically suitable to provide 47w/m² at 40–50° flow temperature depending on the floor's thermal resistance.

It's ideal for:

- Permanent, maintenance-free installation onto solid floors in residential or commercial spaces



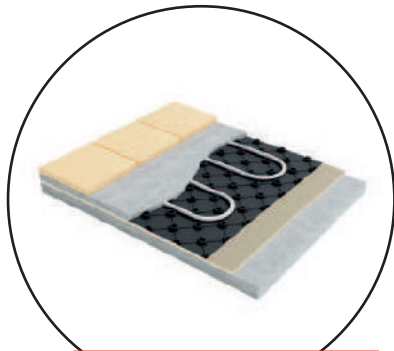
In a grooved overlay

To avoid the time and costs associated with screeding floors, wet underfloor heating can also be fitted via a grooved overlay.

Pipes sit within the pre-defined recesses of the overlay and the final flooring is fitted over the top.

It's ideal for:

- Floors which cannot be raised above original height/thickness
- Locations where excavation would otherwise be needed

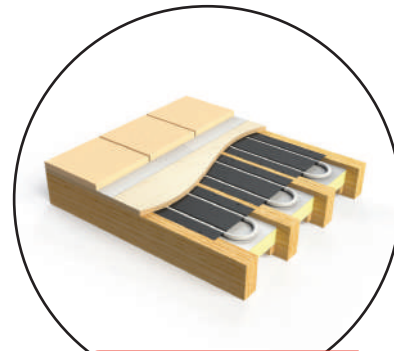


In a castellated panel

Castellated panels are used with screed. Underfloor heating pipes are securely laid between the raised sections (similar to the design of an egg box) and then screeded over.

The advantages are:

- Pipes are held firmly in position during screeding
- Saves 10L of screed per M2



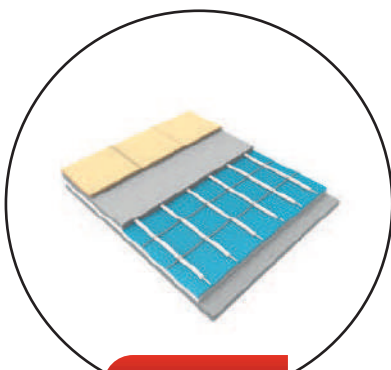
Into a joisted floor

This system enables wet underfloor heating to be fitted without raising the final height of the floor.

Aluminium plates are placed beneath timber joists. The pipes are mounted on the plates and no screed is required.

It's ideal for:

- Older buildings with joisted floors
- Projects where the floor height cannot change



In mesh

A supporting mesh is ideal for thick (monolithic) solid floors where the underfloor heating needs to be suspended close to the surface of the screed.

It's ideal for:

- Large commercial spaces with concrete or screeded floors



In Overlay Plus®

This system enables wet underfloor heating to be fitted without significantly raising the final floor height. The pipe is simply laid in grooves within the boards' surface.

The overlay has an insulated core and aluminium lining which increases heat output by 15% compared to traditional products.

It's ideal for:

- Older buildings with timber floors
- Locations where faster warm-up is required



Recent Projects

We have unrivalled experience working with architects, contractors, M&E consultants, builders, developers and homeowners.

Whatever the scale of the project – residential or commercial – we've a trusted reputation for installing outstanding underfloor heating.

“

The Gaia team are a pleasure to have on site. Their organisation, can-do attitude and craftsmanship is outstanding. Highly recommended.

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Residential

New builds or renovations, apartments or family homes, one-off or large-scale development – we've over 30 years' experience delivering the right underfloor heating.

40
homes



The Rectory Homes development in the village of Haddenham comprises of 3, 4 and 5-bedroom detached and semi-detached homes.

Integrated into the floor structure, the Gaia wet underfloor heating system provides optimal warmth and comfort whilst maximising energy efficiency from these modern family homes.

New family homes

This redevelopment of Victorian era Georgian-style homes created highly desirable apartments in an increasingly fashionable area of central east London.

Unable to fit traditional central heating, we offered the developers the ideal solution as we installed electric DEVI-mat underfloor heating throughout.

Neo-Georgian redevelopment

124
homes



23
homes



Orford Place in Ham, London, is a secure gated development of 23 new and converted 1, 2 and 3-bedroom houses and apartments for the over 55s.

The converted homes feature high ceilings which made our installation of underfloor heating the ideal solution for consistent, efficient and cosy heating.

Retirement living

111 and 113 Upper Richmond Road in Putney, by developer London Square, is a new mixed-use development of luxury apartments, office space, retail space and residential basement parking.

Heat is provided by a central gas-fired boiler. We installed Gaia wet underfloor heating which is embedded in the concrete floor screeds in each apartment, with hidden sensors providing zoned control.

Apartments



26
homes



Set within beautiful communal gardens, Redcliffe Place in Tunbridge Wells, by Beechcroft Developments Ltd, is a prestigious development of 26 elegant new homes.

Warmth is delivered throughout the well-appointed homes by our low temperature hot water (LTHW) underfloor heating, eliminating the need for radiators to free-up interior design.

Elegant dwellings



Commercial

From schools to offices, showrooms to warehouses, fire stations to factories – we're trusted by developers to design and install the right underfloor heating.



The new Further Education building at West Suffolk College's campus in Bury St Edmunds provides improved study education facilities including a social area, shop and drop-in computer suite.

Specialist contractor, Kershaw Mechanical Services, successfully installed our Gaia wet underfloor heating system as part of its £1.9m mechanical and electrical (M&E) package.

West Suffolk College

The brand-new Marshall Ford showroom is situated on Newmarket Road, known locally as the car district of Cambridge.

A large open space with high ceilings, we installed the Gaia wet underfloor heating system throughout to provide consistent warmth in a discreet and efficient way.

Marshall Ford





The East Anglian Air Ambulance provides 24-hour, 365-day per year emergency services across Norfolk, Suffolk, Cambridgeshire and Bedfordshire. The life-saving charity is kept airborne entirely by charitable donations.

We fitted Gaia wet underfloor heating throughout their newly extended headquarters and purpose-built training facility. The system was fitted into a reinforced mesh, screeded into the floor and featured low-flow temperatures to future-proof the building for use with heat pumps.

East Anglian Air Ambulance

The brand new Wintringham Primary School is a £14.2 million development to provide education for over 700 pupils aged 3-11.

Keen to maximise space and efficiency, we designed and installed the Gaia wet underfloor heating system throughout with individual zone controls.

Wintringham Primary School



Used by Hewitt Academy, Jane Austen College, Charles Darwin Primary and the Wherry School, this new sports hall needed to be highly dependable and welcoming.

We provided a total floor and heating solution, including insulation, our Gaia wet underfloor heating system and screeding, onto which the final gym and sports court flooring was laid.

Hewitt Academy Sport Hall

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