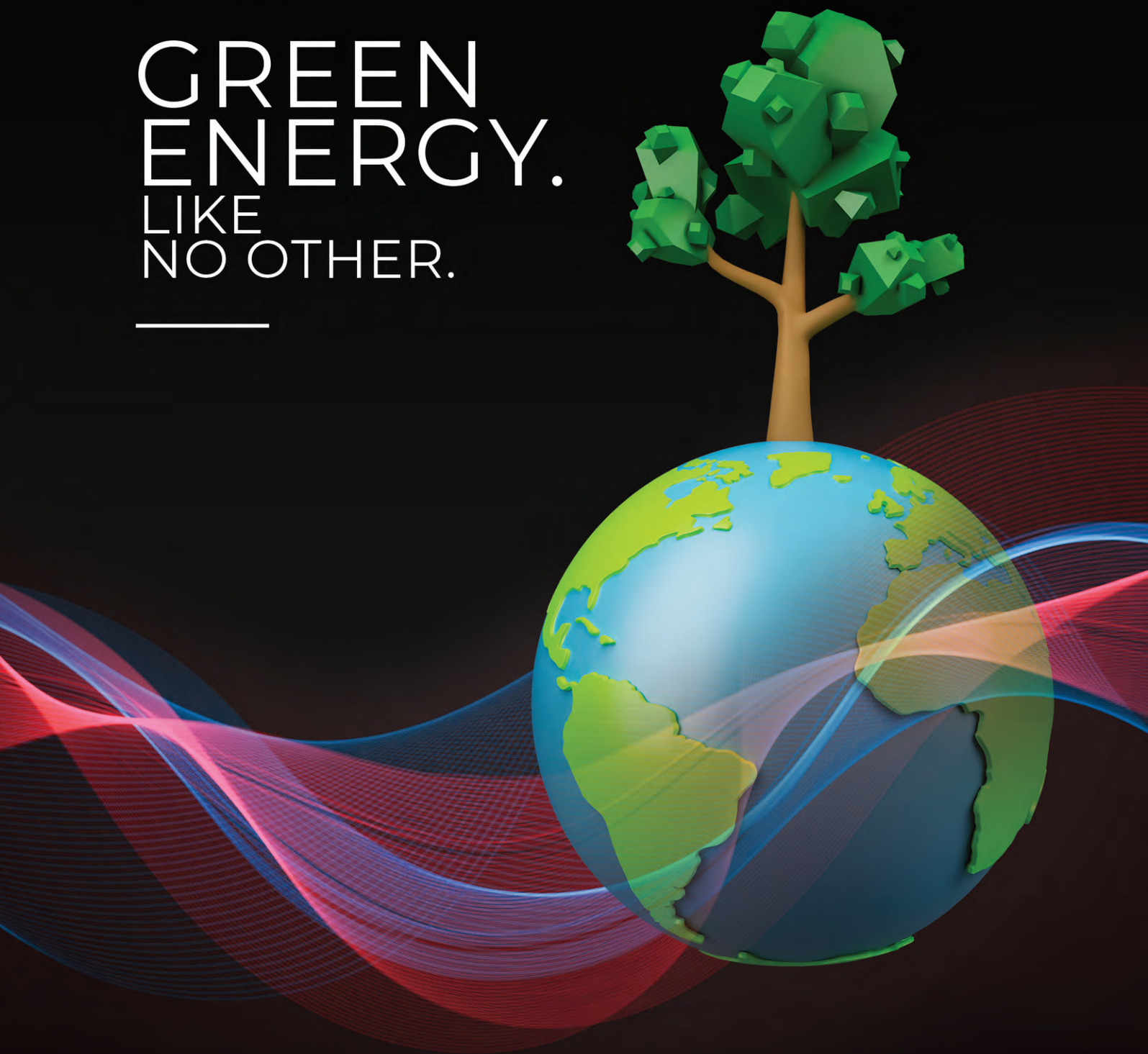
GREEN ENERGY. LIKE NO OTHER.



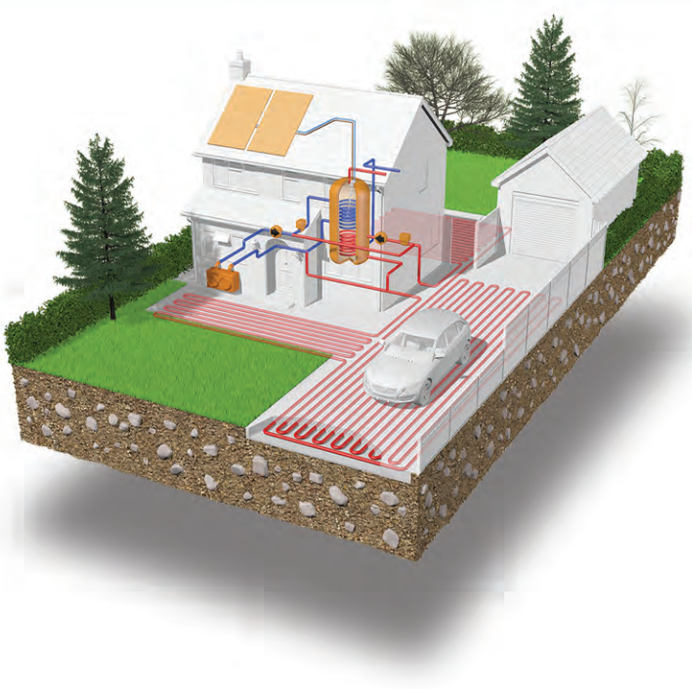
ecoHEAT SURFACES

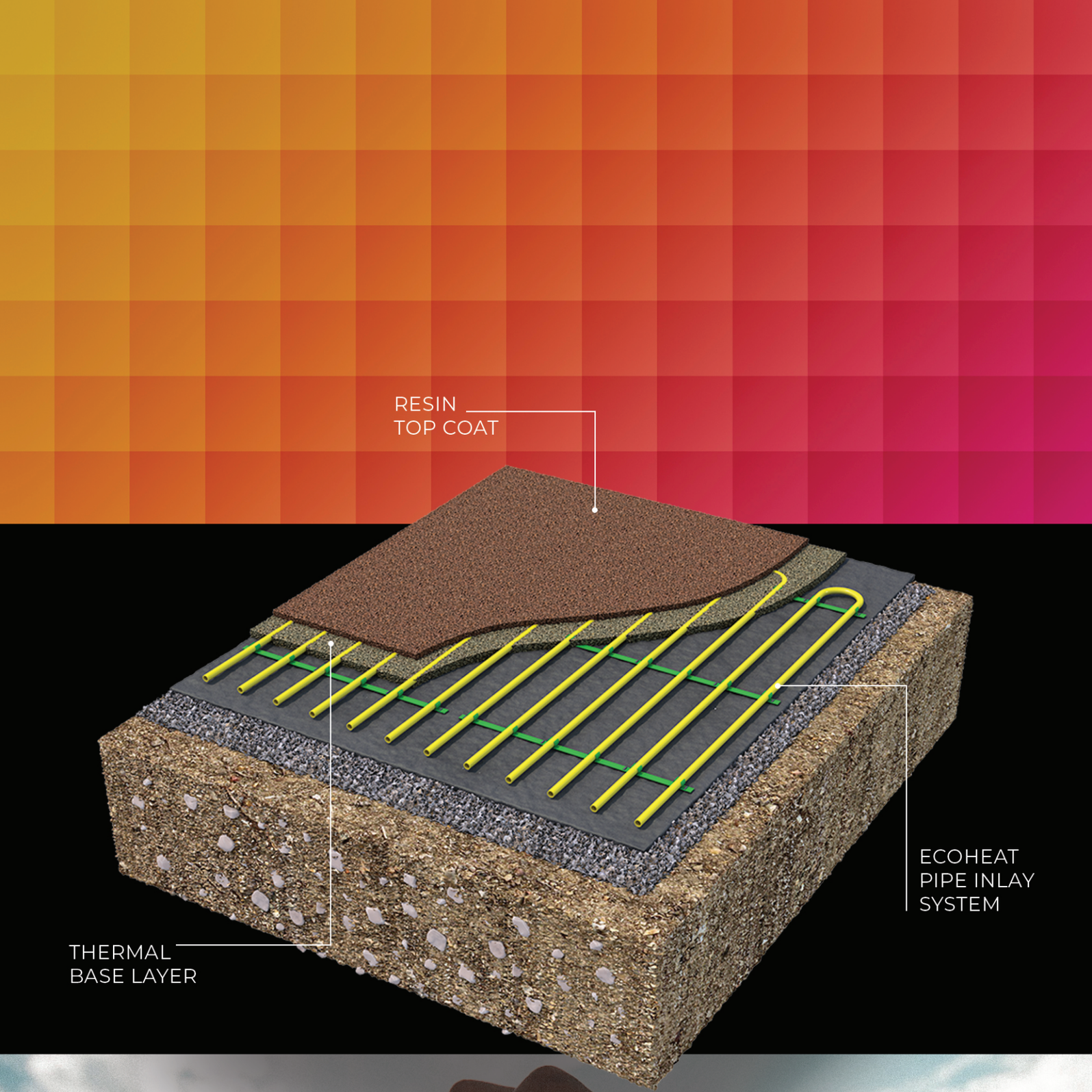
INTRODUCING ECOHEAT SURFACES

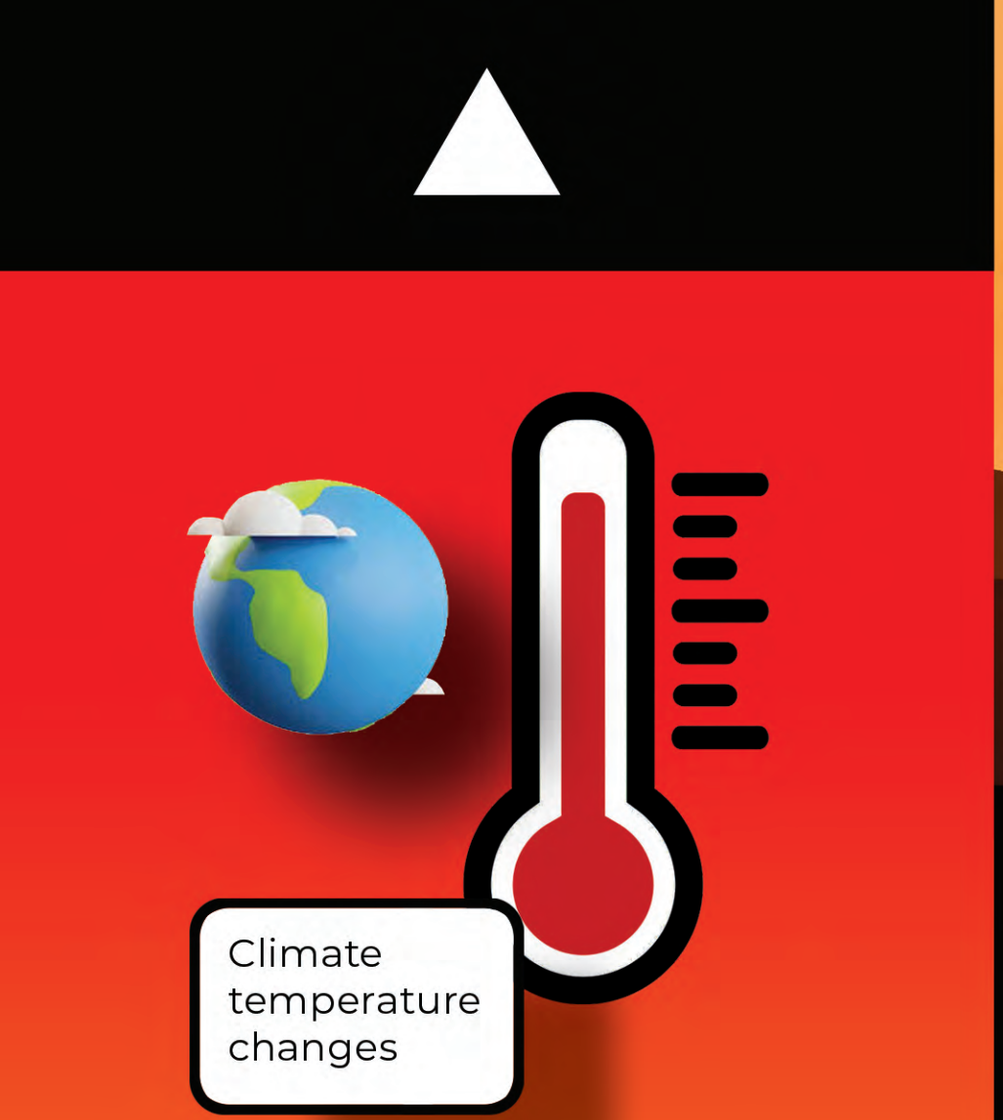
At EcoHeat we are always looking to innovate and develop globally to help reach Net zero targets, developing our clean green technologies we strive in the design and specification of every system being designed especially for each individual client from industrial or commercial to domestic household.

We pride ourselves on obtaining as much information from our client and site surveys to understand the issues and needs as well as how to combine different technologies to provide the most effective and efficient solution for each project.

At EcoHeat we look to overcome environmental issues like making sure we help tackle flood prevention by making our systems SUDS compatible, sustainable targets are the whole teams top goals in our net zero targets and always looking to keep the clients fuel bills as low as possible by providing and combining a number of renewable energy solutions and making them all work in harmony with each other with our unique control solution.

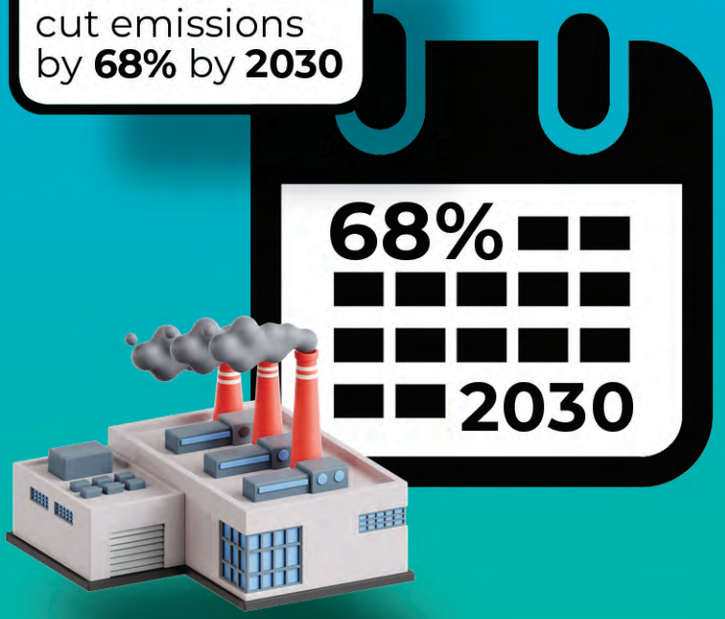


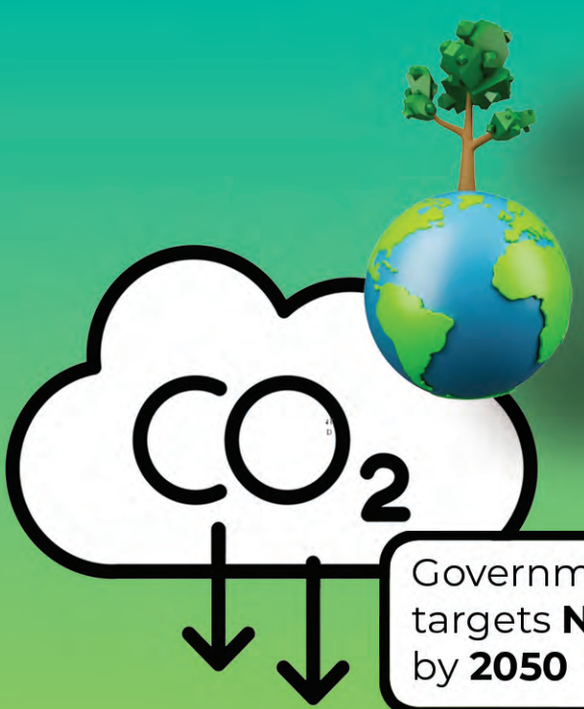

RESIN
TOP COAT
ECOHEAT
PIPE INLAY
SYSTEM
THERMAL
BASE LAYER



WHY ECOHEAT SURFACES?

Government announces to cut emissions by **68%** by **2030**





Government targets **NET ZERO** by **2050**

ECOHEAT SURFACE SOLUTIONS

We have a number of solutions to suit all climate requirements

DOMESTIC HOT WATER SYSTEM

Our patent pending technology consists of a solar piping system, embedded between 2 layers of EcoHeat resin surface. The thermal energy is transferred through a manifold and fed into our thermal storage battery to store excess energy and for longer periods .
The system is controlled by our Eco controller and automatically reads external temperatures and internal temperature and will switch pumps and set speeds as and when required.

DOMESTIC HEATING & HOT WATER

Our patent pending technology consists of a solar piping system, embedded between 2 layers of EcoHeat resin surface. We combine our thermal storage battery with either a water source or air source heat pump. The excess heat from the EcoHeat surface is fed into our battery, using the Eco controller. It is then transferred into a heat pump or used upon demand for your hot water needs. These elements combined make this one of the most effective and efficient systems on the market.

COMMERCIAL OR INDUSTRIAL SYSTEMS

We design and specify the system to the clients needs by undertaking a full detailed survey. From the evaluation and analysis stage to then providing detailed design. Our patent pending technology consists of a solar piping system, under 2 layers of EcoHeat resin surface.
An example of a design we have done for a hotel is using a commercial battery system that is then heated by the EcoHeat surface and finally boosted with a heat pump and can even be backed up with PV panels.
We have also designed a waste water recovery system using the waste heat for our frost free needs.
Designing systems for hotels, hospitals, retail units, offices, sports facilities, supermarkets and offering the frost free element of our system as well.

AIR CONDITIONING & HEATING

Using our patent pending technology consisting of a solar piping system, embedded between 2 layers of our EcoHeat resin surface. We combine the EcoHeat surface with an absorption chiller and EcoHeat thermal batteries to provide your cooling and heating needs. The EcoHeat surface captures the thermal energy acting as a solar collector. It then goes into an initial thermal battery, to store any excess energy. Upon demand this then transfers into an absorption chiller by using our EcoHeat controller. The energy can then be used for cooling, heating or hot water.

SWIMMING POOL & HOT TUB

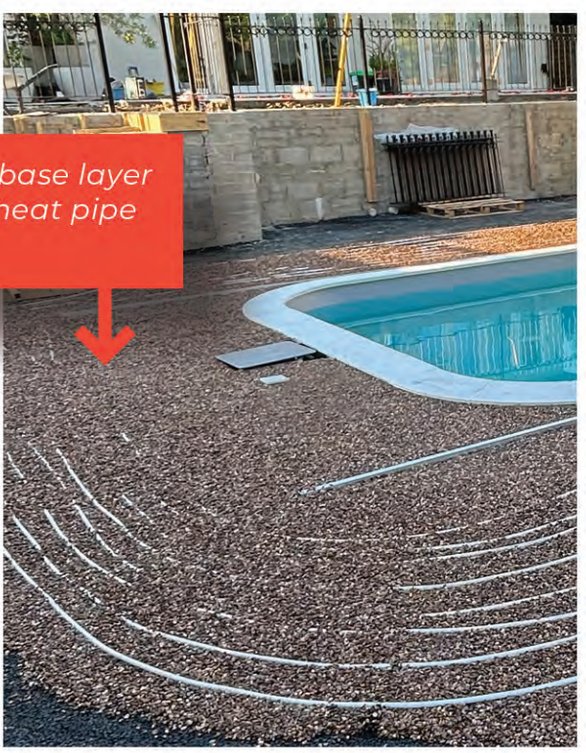
Heat your pool or hot tub from either the surround of your pool, patio area or driveway. We stilluse our solar piping system embedded in our 2 layer EcoHeat resin surface, from the surface we can either supply our thermal heat battery to store the heat then the eco controller allows the stored heat to feed a heat exchanger in the pool or hot tub, the phase change thermal battery and have 30 or 40 degree if specified. However if a heat battery is not used it can be controlled to go directly into a heat exchanger upon demand.

01 CASE STUDY

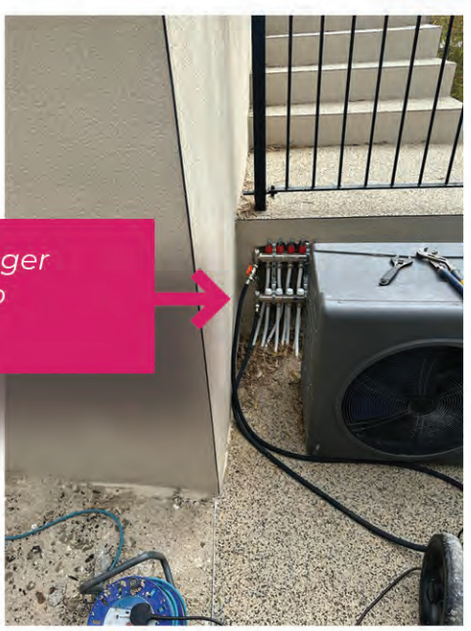
SWIMMING POOL

THE MOST ATTRACTIVE WAY TO HEAT YOUR POOL

Thermal base layer with Ecoheat pipe inlay



Heat exchanger connected to manifold



Top coat resin laid on steps to continue the seamless finish

Top coat resin giving a beautiful seamless finish

PROJECT SP001
Size 80m2
Savings £2,650 per annum
Energy generated 13,440 kWh
Payback 6.4 years

Introducing our patent-pending EcoHeat Surface, which captures free solar thermal energy from the surface and stores it in a Sunamp battery.
The stored energy is then fed into the pool upon demand through a heat exchanger, providing an efficient and sustainable way to heat your swimming pool.

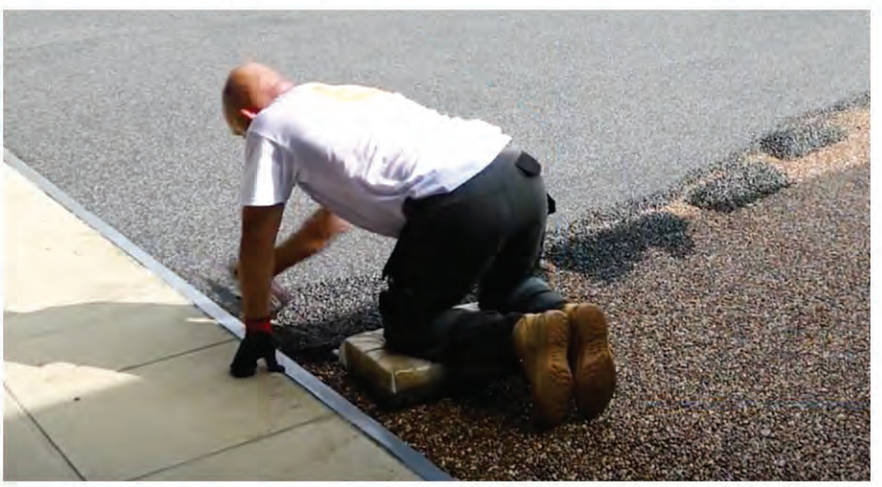
Our recent 80m2 EcoHeat Surface installation provided **13,440kwh** per annum, demonstrating the effectiveness of this innovative solution.

Not only is the EcoHeat Surface an eco-friendly option, but it also provides a cost-effective way to heat your pool. By harnessing the power of the sun, you can reduce your energy bills and carbon footprint while enjoying a warm and comfortable swimming experience.

If you're looking for a sustainable and efficient way to heat your swimming pool, the EcoHeat Surface is the perfect solution.
Contact us today to learn more about our innovative technology and how it can benefit your home.

02 CASE STUDY

DOMESTIC HOME



THE ONLY DRIVEWAY THAT SAVES YOU MONEY

For a domestic household we combine The EcoHeat Surface, Sunamp batteries and an air source heat pump. This can then provide you with free thermal energy. the thermal energy is then stored into a Sunamp battery to be used when there is a demand.

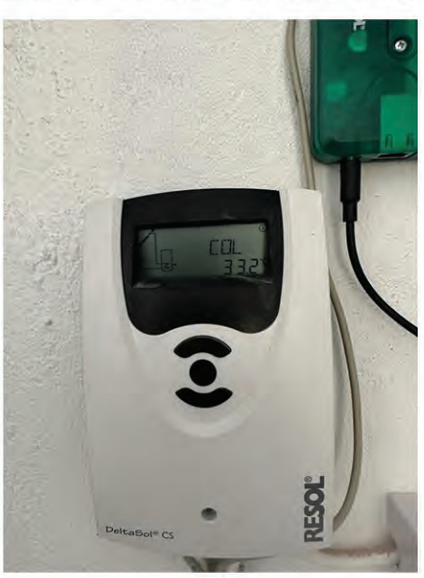
Not only does this provide you with free energy but you also get the SUDS benefits with the resin being fully permeable which enhances the heat transfer of the EcoHeat Surface.

If you're looking for a sustainable and efficient way to heat your home and hot water then look no further.

PROJECT DH+001
Size 120m2
Energy generated 20,160 kWh
Savings £2,016 per annum
Payback 7.8 years
C02 savings 93 tonnes over the lifetime of the system

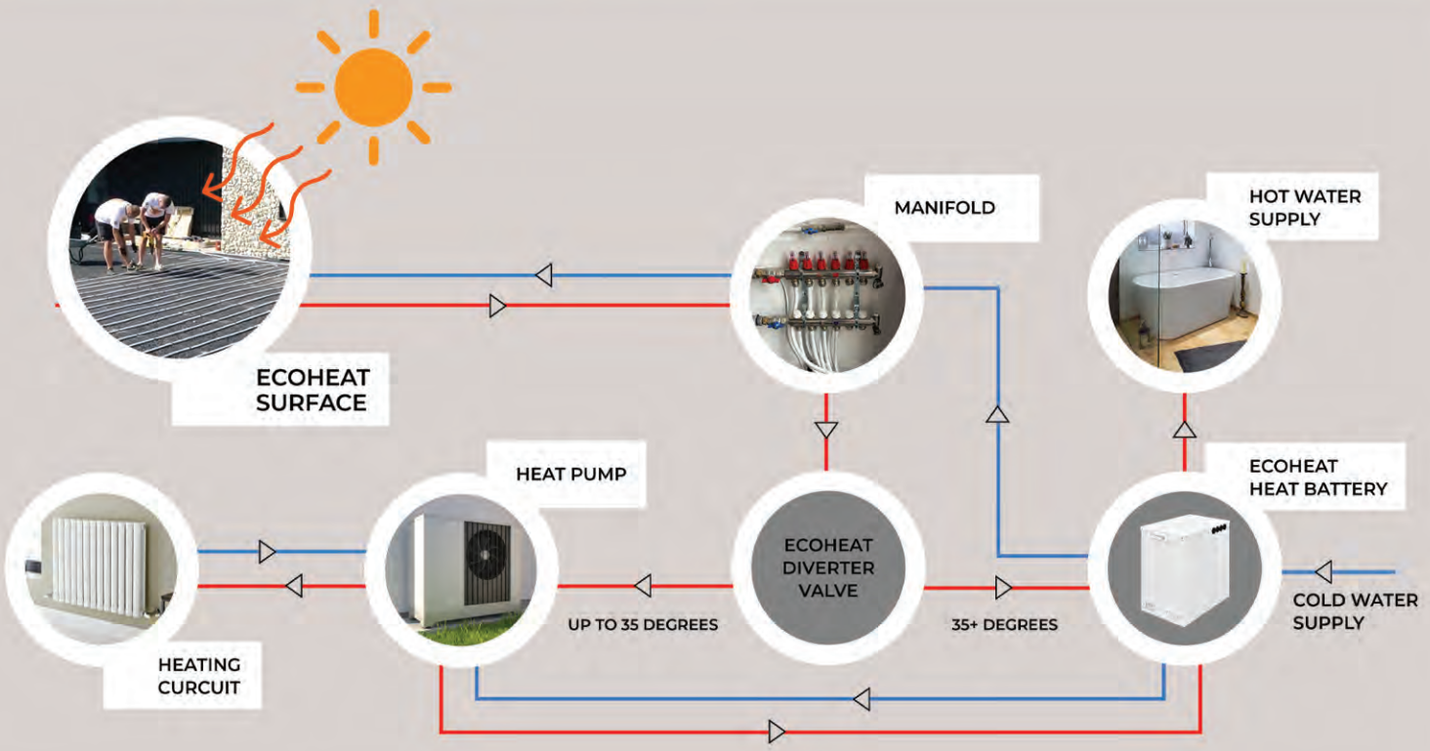
EcoHeat battery for storing excess heat

Top coat resin giving any driveway mass kerb appeal

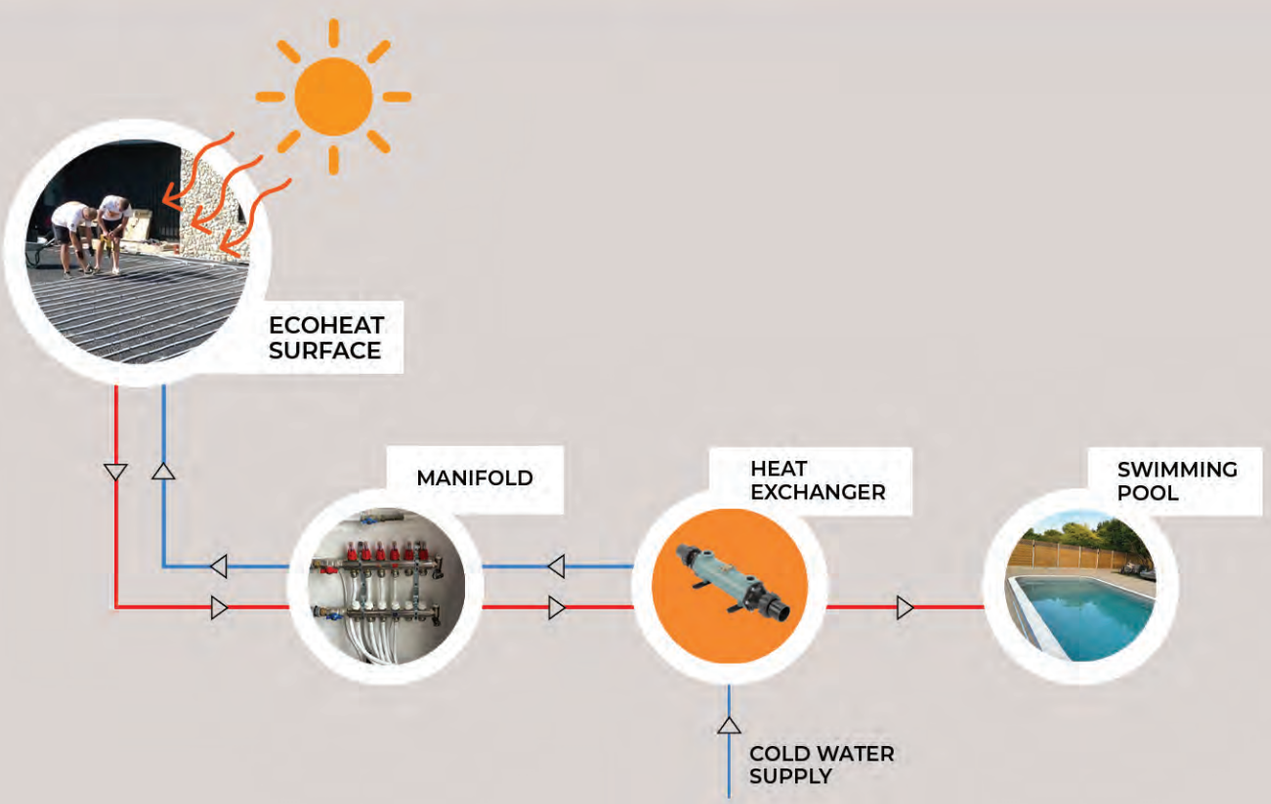


ECOHEAT SURFACE CONFIGURATIONS

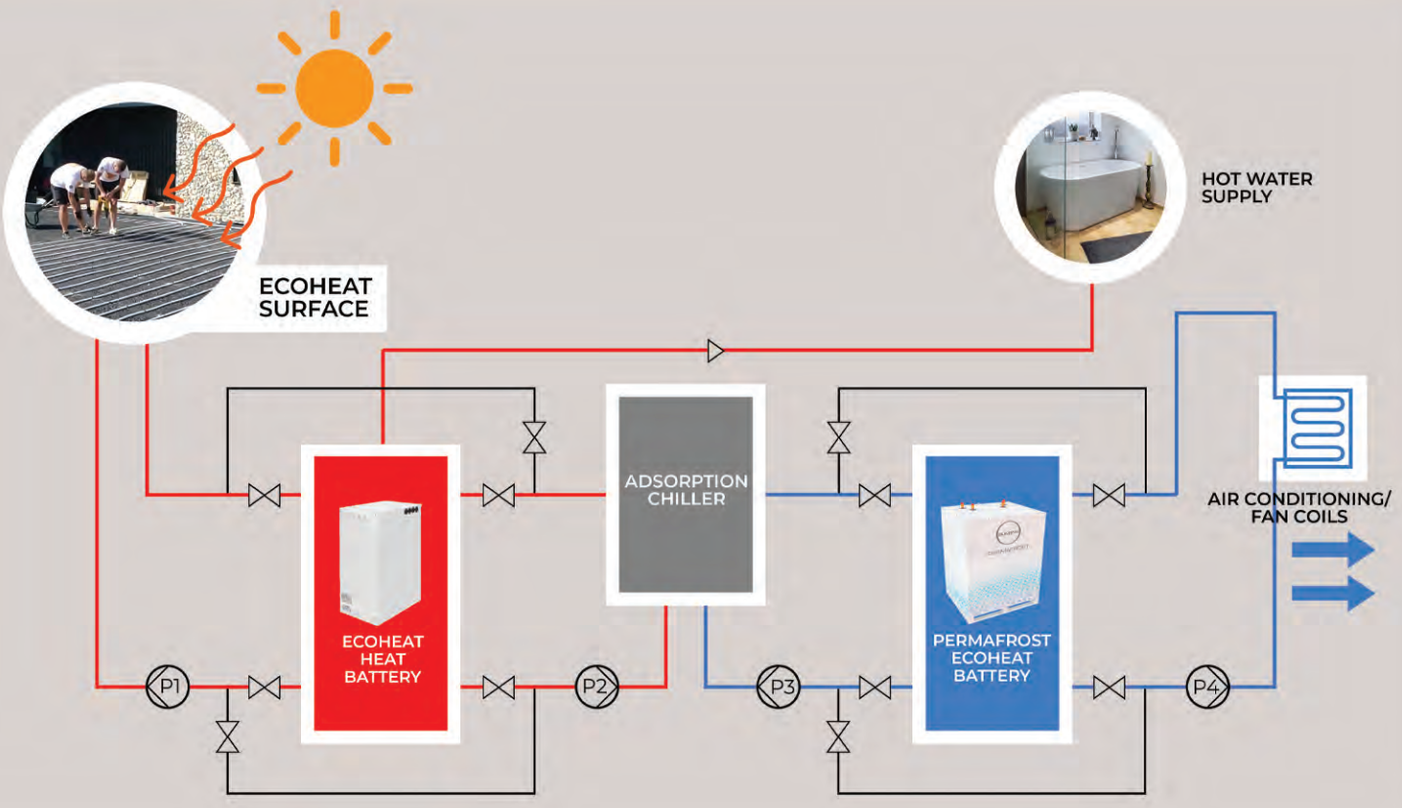
DOMESTIC HOME HEATING & HOT WATER



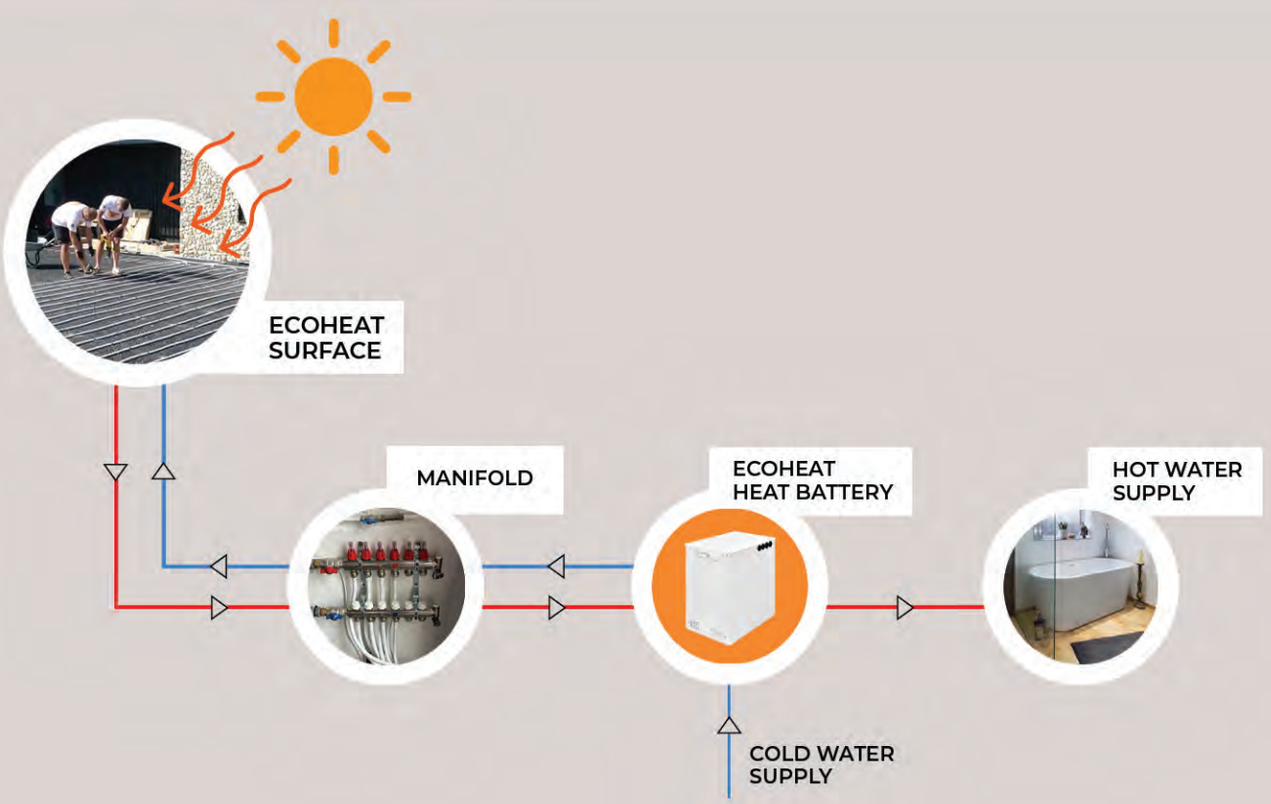
HEATING FOR SWIMMMING POOLS & HOT TUBS

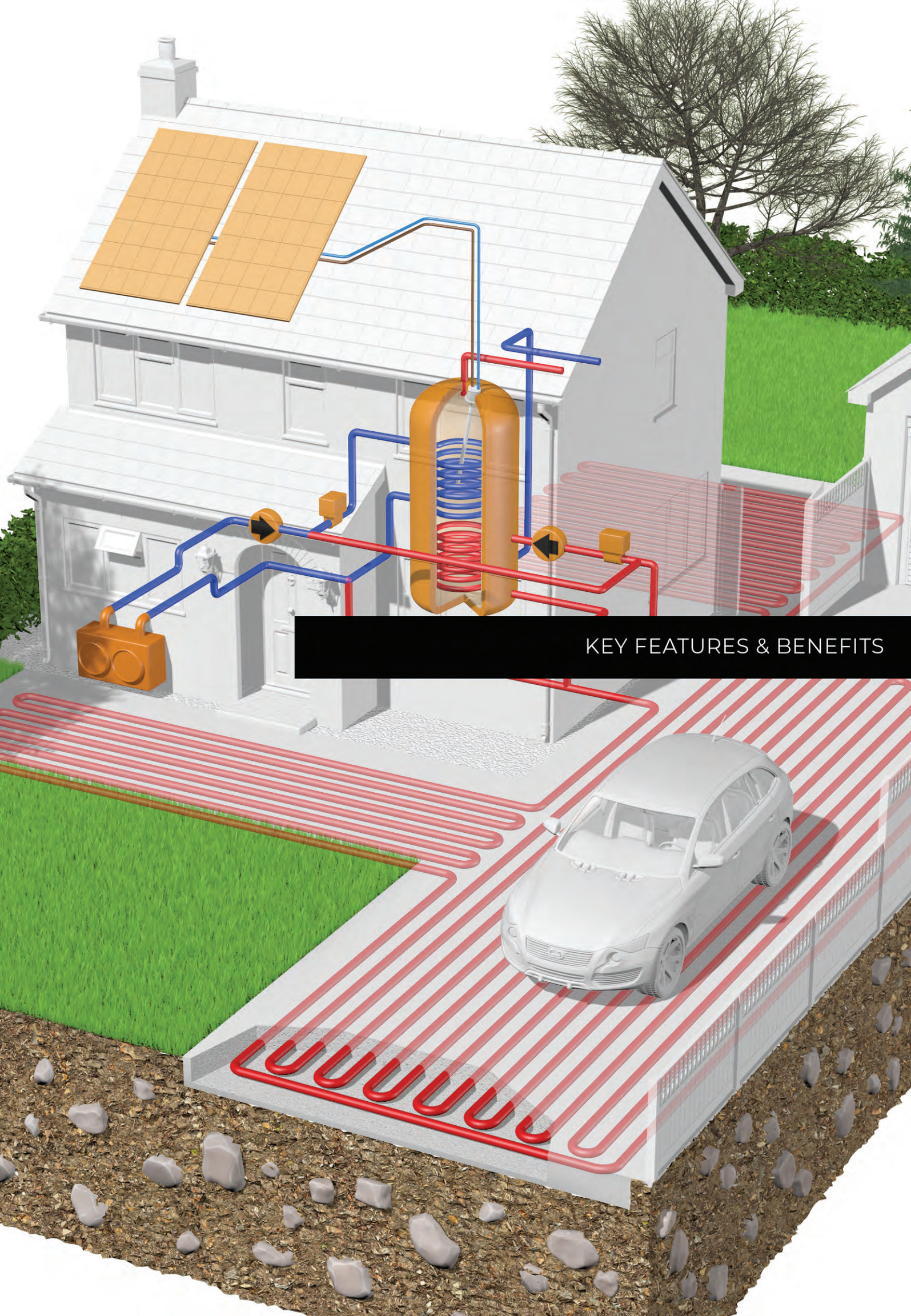


HOT WATER & AIR CON



DOMESTIC HOME HOT WATER





KEY FEATURES & BENEFITS

SUDs compliant & permeable

Ideal for swimming pools and hot tubs

Harvesting energy from the Sun

Low maintenance

Reduces carbon emissions

Produces cost-free hot water

Ideal for commercial & new domestic self-build developments

Ideal for district heating schemes

Can be retro fitted to existing properties

Minimum area required 40m

Thermal battery domestic and commercial

Life expectancy of 25 years

Heats up water to 60 degrees

Creates a frost-free surface

Bespoke design service

ECOHEAT SURFACE ESG

Below highlighted is our main focus at present.

ecoHEAT
SURFACES

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www.ecoheatsurfaces.co.uk