

IHT FOR HOUSES

What is IHT?

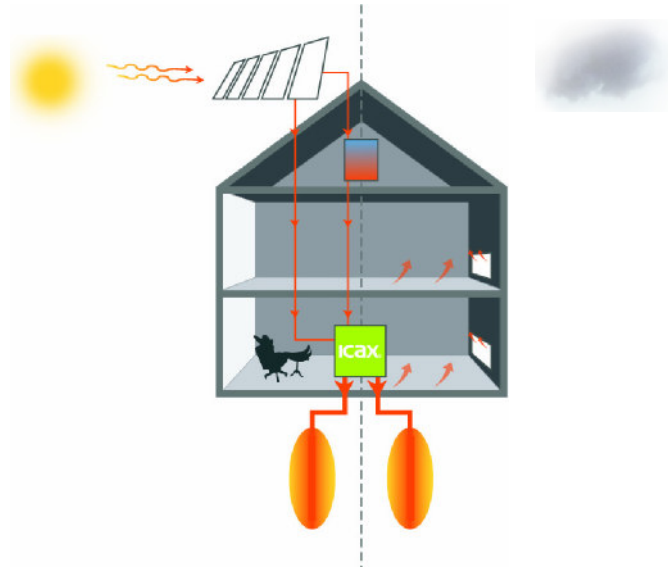
Interseasonal Heat Transfer is a patented technology that is complementary to both solar collectors and ground source heat pumps. IHT provides a method for storing heat for long periods – between seasons.

This means excess heat generated by solar panels during summer can be stored until it is needed in winter.

How does IHT work?

A ThermalBank is created by installing pipework in the ground beneath or near to the house. During summer excess heat is transferred from the solar system and deposited in the ThermalBank.

In winter heat is withdrawn from the ThermalBank and transferred to the house by a Ground Source Heat Pump.



*IMPROVE GSHP PERFORMANCE

*REDUCE ENERGY BILLS

*GENERATE ON SITE RENEWABLE ENERGY

*STORE SUMMER HEAT FOR WINTER USE

*GENERATE CLEAN ENERGY CASHBACK

Why use IHT?

Ground Source Heat Pumps have a great potential for reducing carbon emissions, but can suffer from poor performance if the temperature of the ground becomes too low.

Interseasonal Heat Transfer actively raises the ground temperature in summer to improve the performance of the GSHP in winter. Unlike other renewables technologies, IHT systems are invisible and do not require planning consent.

What is required?

Domestic IHT installations are suitable for both new build and refurbishment projects and provide Domestic Hot Water and space heating.

A ThermalBank can be formed from a borehole field or a traditional GSHP array. ICAX advises the size of array required and provides all of the equipment for the movement of heat between the solar collectors, thermal stores and GSHP.

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