

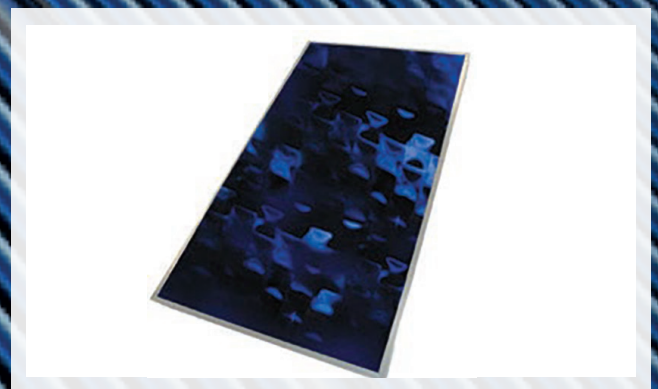
SOLAR THERMAL SOLUTIONS



It's LOGICal to use the sun's energy to heat your water virtually for free!

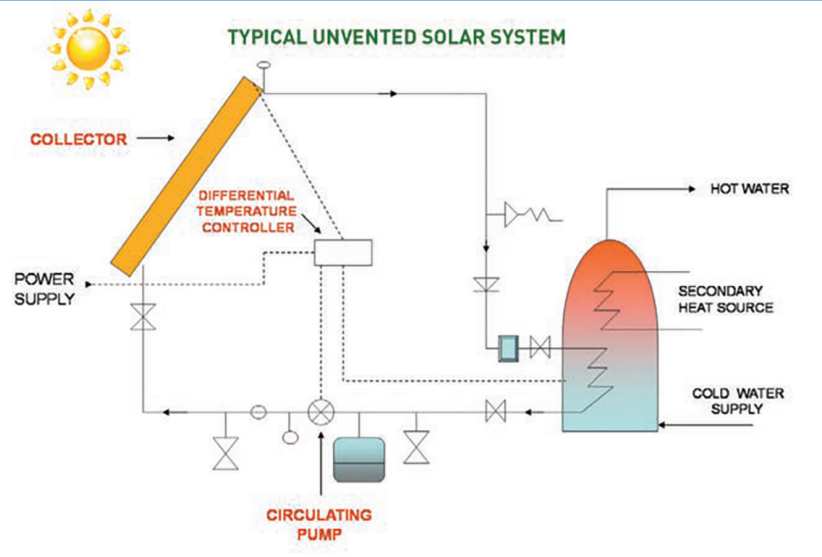
Solar energy is an unlimited resource that is free from harmful emissions and waste. Solar collectors on the roof of a building harness the sun's rays to heat water which is then stored in a well insulated cylinder ready to be used for hot water or heating. Solar thermal systems can be installed both onto a roof or integrated into a roof on homes, commercial properties, new or existing buildings.

Once installed, solar thermal systems have virtually no running costs and as well as financial savings can cut your carbon footprint. They also add to the value of your property and qualify for financial reward through the Renewable Heat Incentive (see over).



HOW IT WORKS

The radiation from the sun is absorbed by liquid within the panels (collectors) which is transferred to a cylinder storing hot water. Typically, 50-70% of a building's demand for hot water can be met. The balance of demand can be met by a traditional system or another renewable energy source such as heat pump or biomass boiler.



TYPES OF SYSTEMS

Collectors can be flat plate or evacuated tube with the total area dependent on the property's hot water needs, roof aspect and property location. It is not just south facing roofs that can be utilised; considerable gain can be made from both east and west facing roofs. Mounting systems are designed to provide ease of installation whether fully integrated or an "on roof" system.

BENEFITS

Reduced energy bills and a reduced carbon footprint. Solar energy is typically utilised for hot water, however it can be used to provide heating too. Where the solar hot water cylinder is fully charged or the energy gain is low the solar energy can be delivered into the heating system of the property instead.

RENEWABLE HEAT INCENTIVE

The Renewable Heat Incentive is a government scheme designed to encourage the use of heat producing micro-renewable systems including solar thermal heating. The scheme will run from November 2012, (the domestic scheme runs from summer 2013) offering payments for every kilowatt hour of energy produced. In the meantime, you can benefit from RHI Premium Payment. For details visit www.logic-group.co.uk

WHAT IS NEEDED FOR QUOTATION?

Property location, roof aspect and approximate pitch, number of bedrooms and bathrooms, existing or proposed heating system.

