



SOLAR ASSISTED CENTRAL HEATING

Probably the best investment you could make with a **proven return**

EMS have more experience of Solar Thermal systems than any other Island company.

As heating engineers we have developed a bespoke system of maximising solar system efficiency, and making a significant contribution to the central heating needs of properties.

This is a tried and tested formula backed up by empirical data so we can prove the savings that can be achieved with this system.

Although the system cannot practically be used to cater for all your central heating needs it does make a significant contribution and can make a substantial reduction in home heating bills.

How it works

Using a Thermal store** we integrate and couple the Solar to the existing central heating system.

The Thermal store (essentially a large well insulated water cylinder) is what then supplies the central heating.

Our system works with both radiators and under floor heating.

Any solar gain that is available is used to pre-heat this Thermal store. The heat from the Solar System alone is insufficient to cater for the space heating so the additional heat is supplied from the existing boiler / heat pump etc.

To give an example, if the Solar System heats the Thermal Store to say 35 degrees, the boiler etc only needs to “top up” the temperature by around 25 degrees so works much less harder than previously.

