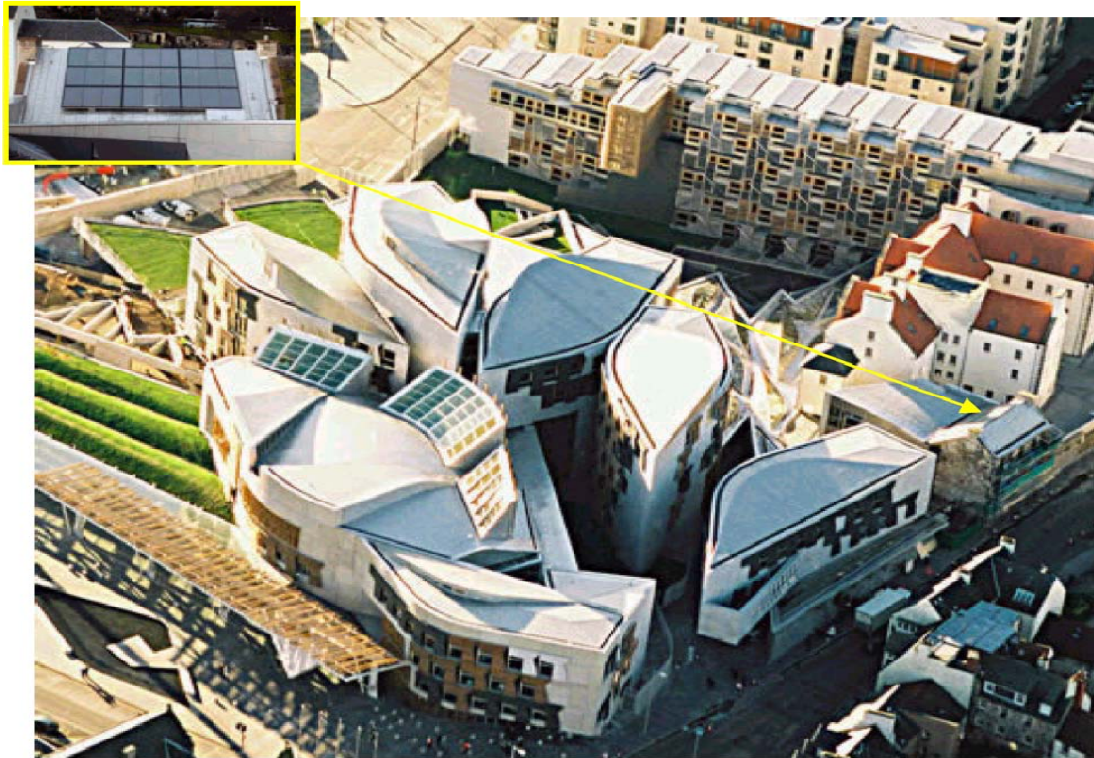


PRESS RELEASE:

CESS appointed as local Agent for AES Solar water heaters

As a result of a recent meeting in Inverness, Combustion, Energy and Steam Specialists Ltd. (CESS) have now been awarded the agency for Orkney for AES Solar water heaters.

AES is the UK's original solar thermal collector manufacturer and have been manufacturing collectors since 1979. AES are Scotland's only solar collector manufacturer and solar water heating system designer and are represented throughout the UK.



36 m² Solar System at the Scottish Parliament

Technical Specification

Absorber Plate

Aluminium fins metallurgically bonded to rhombic shaped copper water ways providing large water to wall contact for maximum heat transfer

Sputter coated selective surface

Solar Absorption = 96% ± 2, Thermal Emission = 7% ± 2

Glazing

One outer layer of Tedlar film manufactured by DuPont, minimises heat loss and ensures minimal weight. Overall light transmittance = 95%.

Backing

Melinex film, ensuring the collectors are completely waterproof

Collector Box

Aluminium box section with all round fixing channels for easy fitting. A sensor pocket is fitted at the appropriate location

Insulation

Rigid PIR foam, manufactured with zero ODP

Flow And Return

15mm copper for serpentine operation, 22mm for Headers & Risers

Fluid Content	0.6 litre per 1 square metre of collector area
Flow Rate	1 litre per square metre of collector area per minute
Transfer Fluid	100% Tyfocor antifreeze mixture (recommended)
Test Pressure	15 Bar
Maximum Working Pressure	10 Bar
Pressure Drop	10 kPa at flow rate of 0.03 litres per second, per 1 square metre of collector area
Fixing Methods	(1) Retrofit on top of roof cover (2) Flat roof mounted with A-frames and/or ballast or roof fixing
Instantaneous Efficiency	85%
Tested By	University College Cardiff, TNO The Netherlands, National University of Singapore, EN12975 by ITW
Life Expectancy	In excess of 25 years
Applications	Small to large domestic hot water systems, industrial process and swimming pool heating



As Mike Craigie, CESS's Managing Director explains: *“As we become more aware of the effects of global warming, renewable energy products such as solar collector panels are finally coming to the forefront of the carbon emissions debate. Many companies now offer renewable energy products, but only AES has over 28 years of experience in the UK market and the tried and tested products it needs to be the UK's most creditable solar system manufacturer”*