Environmental Design

Synergy Architects has been involved in projects incorporating a range of sustainable design principles and low energy solutions, including:

Optimisation of natural daylight;
Optimisation of natural ventilation;
Active and passive solar shading systems; Solar gain;
Photovoltaics; Solar hot water;
Superinsulation;
Prefabricated and modular construction;
Rainwater harvesting & greywater recycling schemes; 'Green' roofs;
Re-use and refurbishment of existing buildings;
Urban regeneration/renewal;
BREEAM and Code for Sustainable Homes (Ecohomes)

As well as integrating individual elements into projects in this way, the practice has experience of a number of schemes that place environmental principles at the core of the design:

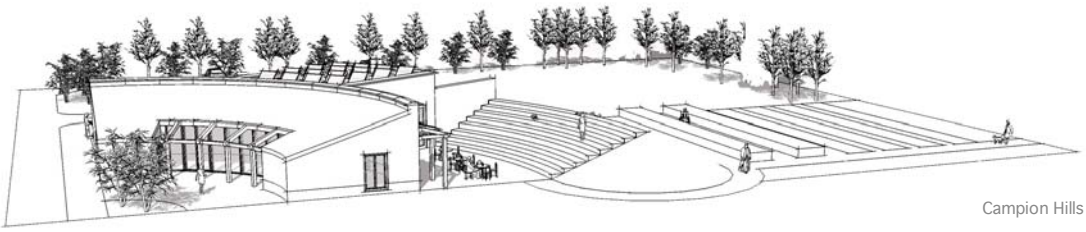
Campion Hills Centre, Leamington Spa
We were commissioned in 2007 to design a new community facility incorporating rainwater harvesting; a ground source heat pump system; underfloor heating; Photovoltaic energy generation system and passive solar gain.

Salvesen House, Milton Keynes
A showcase for over 100 energy saving measures including active and passive solar energy, heat reclamation, and superinsulation. Part of the influential 'Energy World' initiative.

'Ideal Home' House, Milton Keynes
Utilising solar gain and incorporating a chemical heat storage system.

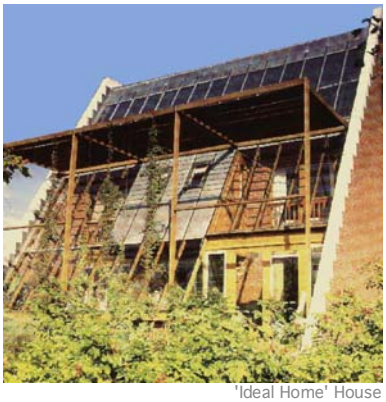
Burleigh Court

Berkhamsted School


Campion Hills Centre

Earth Centre Hotel

Salveson House


'Ideal Home' House

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