



Case Study – Guest House

Project	“Over the Rainbow” Vegetarian Guest House Plas Tyllwyd, Tanygroes, Nr Cardigan, Ceredigion (www.overtherainbowwales.co.uk)
Equipment	4 x Gasokol tecSol horizontal flat-plate collectors (8m ²), connected to 2 x 300 litre twin coil vented cylinders. These are plumbed in a cascade arrangement so that the solar heats the primary cylinder first and then switches to heat the back up cylinder.
Details	Guest House in an 18 th Century Georgian mansion, set in 18 acres of woodland. Catering for workshops and venue hire, and Bed & Breakfast accommodation.
Objective	Over the Rainbow has attained Level II of the Green Dragon Award for environmental management. Committed to continual environmental improvement, by using eco friendly cleaning products, recycling and composting waste wherever possible. Working in conjunction with an oil fired Aga, the solar water heating system was installed to provide hot water facilities for guest occupancy as well as for the house.
Achievements	The owners report that the solar system is now providing sufficient hot water for all guests and occupants even when at full capacity and works well combined with other energy efficiency measures.



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