

SOLAR THERMAL											
FORMAL COURSES											
Technology	Course provider	Course title	Certification	Location and contact details	County	Learning method	Prerequisites	Duration	Price (£+vat)	Generic or manufacturer specific	Course Overview
Solar Thermal	PGL Construction Training	Solar Domestic Hot Water (BPEC)	BPEC certified. Domestic hot water certificate.	Clyst Works, Clyst Road, Topsham, Exeter, Devon EX3 0DB Tel: 01392 437 373 <a href="http://www.pgltraining.com">http://www.pgltraining.com</a>	Devon	Practical workshop and theory	Intended for existing plumbing engineers who should hold an NVQ in Plumbing at level 3 or equivalent (e.g. City & Guilds Advanced Craft) or have suitable practical experience.	2 days	350	Generic	The BPEC course has been developed in conjunction with the Solar Trade Association (STA), the UK trade association for solar water heating systems. The course is aimed at already qualified or experienced domestic heating engineers and plumbers. The course usually takes approximately 2-3 days to complete including theory, practical and assessment. The course provides the knowledge on how to install a solar domestic hot water system. The course takes into consideration the majority of systems installed in the UK investigating the different system configurations, components and operating characteristics. The course targets aspects which are particular to solar domestic hot water systems giving operatives the confidence to select, install and maintain systems. The course is not intended for those without any experience of heating or plumbing installation experience.
Solar Thermal	SWAAT (South West Assessment and Training Centre)	Solar Thermal Domestic Hot Water (Logic)	LOGIC - Solar Domestic Hot Water Heating Certificate.	1 Quimperle Way, Liskeard Business Park, PL14 3US. Tel: 01579 348 544 <a href="http://www.swaat.co.uk">http://www.swaat.co.uk</a>	Cornwall	Practical workshop and theory	It will be essential that the candidate will be experienced in the installation of domestic cold and hot water systems and will hold a G3 certificate in Unvented Hot Water Systems. It is also essential that the trainee holds one DCLG recognised competency in a conventional fuel i.e. gas, oil or solid fuel; or for those in the plumbing field an NVQ level 2 or equivalent plumbing qualification. Experience in basic	2 days	250	Generic	The purpose of the assessment/course is to give an entry level qualification for experienced domestic heating installers or plumbers, wishing to extend their work scope into solar heating.  The assessment/course will cover the predominant North European fluid filled, indirect solar water heating systems. The course does not cover all possible variants of this subject and in any case, manufacturer's support and guidance should always be sought when fitting equipment. The course covers the following main types of system and collector types; Fully filled sealed system Drain Back system Flat plate collector Evacuated tube collector Direct Flow evacuated tube collector (NB roofing not covered but will be in a future training courses)

							electrical practice would also be desirable. A basic knowledge of the Water (fittings) regulations is also desirable.				
Solar Thermal	Global Energy Direct Ltd (Simplee Solar) NB Simplee Solar was prosecuted for misleading the public (over pricing and claiming 40% reduction in bills), Simplee Solar no longer exists but Global Energy Direct does. There is now no reference on line that Global Energy Direct Ltd is related to Simplee Solar but from BPEC website the link is clear.	Solar Thermal Domestic Hot Water (Logic)	LOGIC - Solar Domestic Hot Water Heating Certificate.	4 Cedar Park, Cobham Road, Ferndown Industrial Estate, Wimborne, Dorset, BH21 7SF	Dorset	Practical workshop and theory	It will be essential that the candidate will be experienced in the installation of domestic cold and hot water systems and will hold a G3 certificate in Unvented Hot Water Systems. It is also essential that the trainee holds one DCLG recognised competency in a conventional fuel i.e. gas, oil or solid fuel; or for those in the plumbing field an NVQ level 2 or equivalent plumbing qualification. Experience in basic electrical practice would also be desirable. A basic knowledge of the Water (fittings) regulations is also desirable.	2 days	199	Generic	<p>The purpose of the assessment/course is to give an entry level qualification for experienced domestic heating installers or plumbers, wishing to extend their work scope into solar heating.</p> <p>The assessment/course will cover the predominant North European fluid filled, indirect solar water heating systems. The course does not cover all possible variants of this subject and in any case, manufacturer's support and guidance should always be sought when fitting equipment. The course covers the following main types of system and collector types;</p> <ul style="list-style-type: none"> <li>Fully filled sealed system</li> <li>Drain Back system</li> <li>Flat plate collector</li> <li>Evacuated tube collector</li> </ul> <p>Direct Flow evacuated tube collector (NB roofing not covered but will be in a future training courses)</p>

Solar Thermal	Grant Engineering UK Ltd	Solar Thermal Domestic Hot Water (Logic)	LOGIC - Solar Domestic Hot Water Heating Certificate.	Hopton House Hopton Industrial Estate Devizes Wiltshire SN10 2EU Phone Number: 0870 777 5553 Fax Number: 0870 777 5559	Wiltshire	Not specified	It will be essential that the candidate will be experienced in the installation of domestic cold and hot water systems and will hold a G3 certificate in Unvented Hot Water Systems. It is also essential that the trainee holds one DCLG recognised competency in a conventional fuel i.e. gas, oil or solid fuel; or for those in the plumbing field an NVQ level 2 or equivalent plumbing qualification. Experience in basic electrical practice would also be desirable. A basic knowledge of the Water (fittings) regulations is also desirable.	2 days	275	Generic	<p>The purpose of the assessment/course is to give an entry level qualification for experienced domestic heating installers or plumbers, wishing to extend their work scope into solar heating.</p> <p>The assessment/course will cover the predominant North European fluid filled, indirect solar water heating systems. The course does not cover all possible variants of this subject and in any case, manufacturer's support and guidance should always be sought when fitting equipment. The course covers the following main types of system and collector types;</p> <ul style="list-style-type: none"> <li>Fully filled sealed system</li> <li>Drain Back system</li> <li>Flat plate collector</li> <li>Evacuated tube collector</li> <li>Direct Flow evacuated tube collector (NB roofing not covered but will be in a future training courses)</li> </ul>
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Solar Thermal	North Devon College	Solar Thermal Hot Water (NICEIC)	NICEIC Solar Domestic Hot Water Heating Certificate	Barnstaple Devon EX31 2BQ T: 01271 338058	Devon	Not specified	Candidates will need to possess:- A recognised competence in a conventional fuel i.e. gas, oil, or solid fuel or a relevant plumbing qualification such as an NVQ level 2 or equivalent experience A certificate of competence under G3 for Unvented Hot water Energy Efficiency for Domestic Heating The following qualification is also desirable:- WIAPS Approved Plumber qualification	3 days	370	Generic	Solar Thermal Hot Water training and assessment has been developed for individuals who wish to demonstrate competence to work on the installation & commissioning of Solar Thermal Systems. Successful candidates will be able to use the award to enable them to join a competent person's scheme under NICEIC. Competent person's schemes were introduced by the Government to allow individuals and enterprises to self-certify that their work complies with the Building Regulations as an alternative to submitting a building notice or using an approved inspector. The Solar Thermal Hot Water training is designed to provide experienced heating and plumbing engineers the necessary skills for basic design, installation, commission and service of Solar Thermal Hot Water systems and deliver certificate of competence to individuals who will self-certify installations through NICEIC (or other government scheme operators). Areas covered include:- <ul style="list-style-type: none"> <li>• Health and Safety</li> <li>• Basic Design</li> <li>• Relevant Regulations and Legislation</li> <li>• Collector Types</li> <li>• Design Layouts</li> <li>• Pre-survey Techniques and Installation Practices</li> <li>• Commissioning and Service</li> <li>• Fault Finding and Controls</li> <li>• NICEIC Working at Heights, CoSHH and Manual Handling</li> </ul>
Solar Thermal	Nu-Heat UK Ltd	Solar Thermal Hot Water (NICEIC)	NICEIC Solar Domestic Hot Water Heating Certificate	Heathpark House Devonshire Road Honiton Devon EX14 1SD T: 01404 540616	Devon	Not specified	Unvented hot water G3* Energy efficiency* NVQ level 2 in plumbing and heating or 2 years industry experience	3 day	350	Generic	* The need for renewable energy * Environmental benefits, running costs, grants * Principles behind solar thermal technology * Types of collector available * Health & Safety * Appropriate siting of collectors * Sizing and specifying collectors * Solar cylinders * Domestic hot water requirements * Fitting the collector panels * Commissioning the system * Troubleshooting

Solar Thermal	Trade Services	Solar Thermal Hot Water (NICEIC)	NICEIC Solar Domestic Hot Water Heating Certificate	Building 75 Penhale Training Camp Holywell Bay Newquay Cornwall TR8 5PF	Cornwall	Not specified		4 day	479	Generic	<ul style="list-style-type: none"> <li>* The need for renewable energy</li> <li>* Environmental benefits, running costs, grants</li> <li>* Principles behind solar thermal technology</li> <li>* Types of collector available</li> <li>* Health &amp; Safety</li> <li>* Appropriate siting of collectors</li> <li>* Sizing and specifying collectors</li> <li>* Solar cylinders</li> <li>* Domestic hot water requirements</li> <li>* Fitting the collector panels</li> <li>* Commissioning the system</li> <li>* Troubleshooting</li> </ul>
Solar Thermal	Glow Worm Clearly Solar (not on google map)	Solar Domestic Hot Water (BPEC)	BPEC certified. Domestic hot water certificate. Can lead to MCS	Provided at locations across the UK. Ferndown, Dorset and Bristol in the South West <a href="http://www.glow-worm.co.uk/solar/training.asp">http://www.glow-worm.co.uk/solar/training.asp</a>	Dorset and Avon	Practical workshop and theory	Intended for existing plumbing engineers who should hold an NVQ in Plumbing at level 3 or equivalent (e.g. City & Guilds Advanced Craft) or have suitable practical experience.	2 days	Not specified	Generic	<p>The BPEC course has been developed in conjunction with the Solar Trade Association (STA), the UK trade association for solar water heating systems. The course is aimed at already qualified or experienced domestic heating engineers and plumbers. The course usually takes approximately 2-3 days to complete including theory, practical and assessment. The course provides the knowledge on how to install a solar domestic hot water system. The course takes into consideration the majority of systems installed in the UK investigating the different system configurations, components and operating characteristics. The course targets aspects which are particular to solar domestic hot water systems giving operatives the confidence to select, install and maintain systems. The course is not intended for those without any experience of heating or plumbing installation experience.</p>
Solar Thermal	Technical Gas Training - course in development	Solar Thermal Hot Water (NICEIC)	NICEIC Solar Domestic Hot Water Heating Certificate	Ferndown Dorset, BH21 7RX T: 01202 891123	Dorset	Not specified	Not specified	Not specified	Not specified	Not specified	<ul style="list-style-type: none"> <li>* The need for renewable energy</li> <li>* Environmental benefits, running costs, grants</li> <li>* Principles behind solar thermal technology</li> <li>* Types of collector available</li> <li>* Health &amp; Safety</li> <li>* Appropriate siting of collectors</li> <li>* Sizing and specifying collectors</li> <li>* Solar cylinders</li> <li>* Domestic hot water requirements</li> <li>* Fitting the collector panels</li> <li>* Commissioning the system</li> <li>* Troubleshooting</li> </ul>

OTHER COURSES											
Solar Thermal	Nu-Heat UK Ltd	Solar Thermal Hot Water	N/a	Heathpark House Devonshire Road Honiton Devon EX14 1SD T: 01404 540616	Devon	Not specified	None	1 day	95	Manufacturer specific	Appreciation of the Environmental benefits The New Grant Scheme available to installers Principles of Solar Technology Nu-Heats Collectors and the ease of installation (Hands on experience) Solar Cylinders Pumping stations Pre-work survey and suitability of solar to your projects Benefits of becoming a Nu-Heat Registered Installer
Solar Thermal	Grant Engineering UK Ltd	Grant Solar Thermal	N/a	Hopton Industrial Estate, Devizes, Wiltshire, SN10 2EU Tel: 0870 7775553	Wiltshire	Not specified	For experienced solar thermal or heating installers new to solar thermal	1 day	Free	Manufacturer specific	This course covers all aspects of the Grant Solar thermal system including principles of solar thermal, systems design, solar collector construction and installation, pump station, controls, filling and commissioning procedures and involves both theory and practical hands-on sessions - including 'on the roof' collector installation along with filling, flushing and commissioning a system
Solar Thermal	Powertech Solar	Solar thermal	N/a	Powertech Solar Ltd, 21 Haviland Road, Ferndown Industrial Est, Wimborne, BH21 7RZ	Dorset	Not specified	Not specified	1 Day	Not specified	Manufacturer specific	Day course to become an Apricus Solar Thermal Collector supplier or installer.
Solar Thermal	Glow Worm Clearly Solar	Solar thermal		Provided at locations across the UK. Ferndown, Dorset and Bristol in the South West <a href="http://www.glow-worm.co.uk/solar/training.asp">http://www.glow-worm.co.uk/solar/training.asp</a>	Dorset and Avon				Not specified	Manufacturer specific	

Solar Thermal	Low Impact Living Initiative with Lee Rose	Solar Hot Water	None	Folly Farm nr Bristol	Avon	Not specified	Not specified	1 day	130-190 with £100 discount off a LILI system	Generic / Manufacturer specific	<p>This course is taught by Lee Rose of Norfolk Solar, the top solar hot water tutor in the UK, and covers the theory of solar hot water systems, and practical demonstrations of how to install your own system.</p> <p>The course will include:  what is solar thermal?  different kinds of solar thermal systems  evacuated tubes v flat plate  system efficiencies  how to fit panels to a roof  how to install a hot water cylinder  how to install pump, controller, expansion vessel and air release set  explanation of heat exchangers and storage vessels  explanation of the different hot water systems that people have, and how to incorporate solar hot water  commissioning and maintaining your system  troubleshooting</p>
Solar thermal	SWAAT	Solar Awareness Day	None	1 Quimperle Way, Liskeard Business Park, PL14 3US. Tel: 01579 348 544 <a href="http://www.swaat.co.uk">http://www.swaat.co.uk</a>	Cornwall	Practical workshop and theory	None	1 day	90	Generic	<p>The solar awareness day is for individuals who work on systems, but require the background knowledge. It is useful for technicians without any qualifications and anyone working in the plumbing industry. Candidates will undertake a day of theory and visual inspection of a full range of solar installations. It also studies theory including current legislation, system selection and design. Content:</p> <ul style="list-style-type: none"> <li>o Safety and safety regulations</li> <li>o Installation</li> <li>o Servicing</li> <li>o Carrying out safety checks</li> <li>o Checking the stability</li> <li>o Identifying whether an installation conforms to current regulations and standards, and where necessary, recommend the appropriate remedial action.</li> </ul>