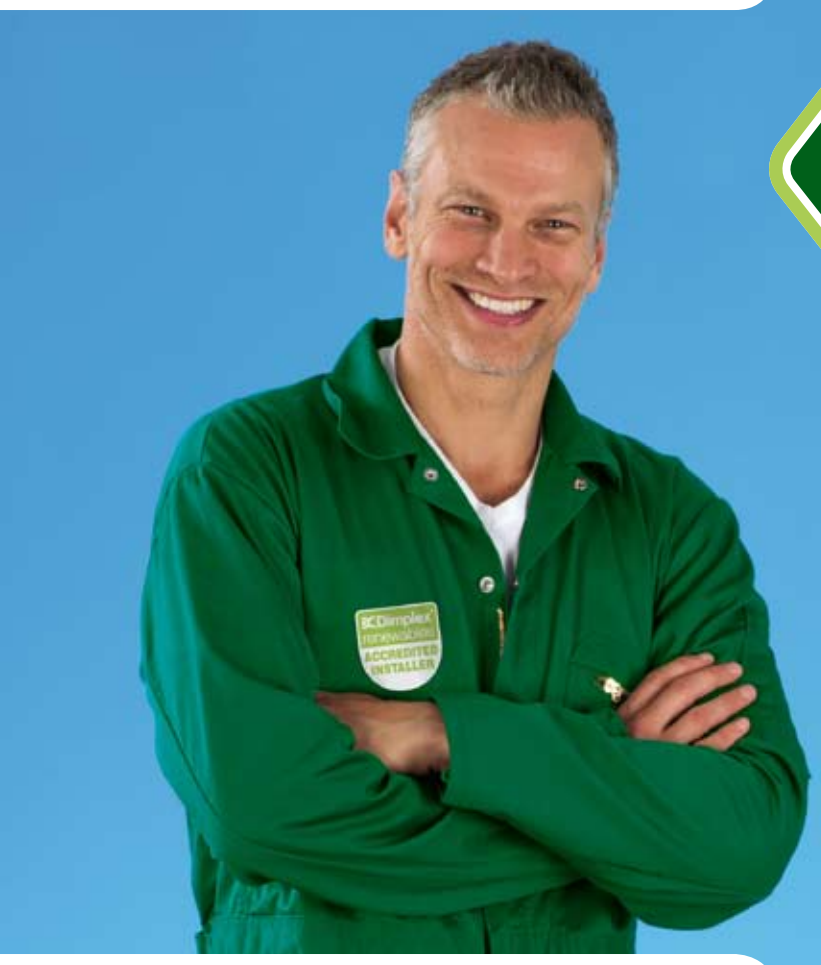
SWITCH TO A BETTER FUTURE



Accredited Dimplex Renewables Installer and Training Scheme

Dimplex renewables ACCREDITED INSTALLER

Dimplex renewables®

An endless supply of energy

Why switch?

Did you know?
It is estimated that 4 million homes will be heated by renewable sources by 2020.

In the battle to reduce climate change, using renewable energy – from the sun, wind, sea or replaceable sources like crops and waste – is the single biggest contribution we can make.

Renewable energy means:
- A secure, local and inexhaustible resource
- Reduced dependance on non-renewable fossil fuels
- Cleaner air
- Less CO_2 and other greenhouse gases
- Good options for people not connected to the grid
- Lower fuel bills and system running costs

A renewable future:
- All new buildings from 2010 will need to reduce CO_2 emissions by 25% from 2006 levels
- The Government's Heat and Energy Saving Strategy proposes that all homes in the UK be tackled with energy efficiency and renewable energy measures over the next 20 years
- The Government is committed to generating 15% of the UK's energy from renewables by 2020

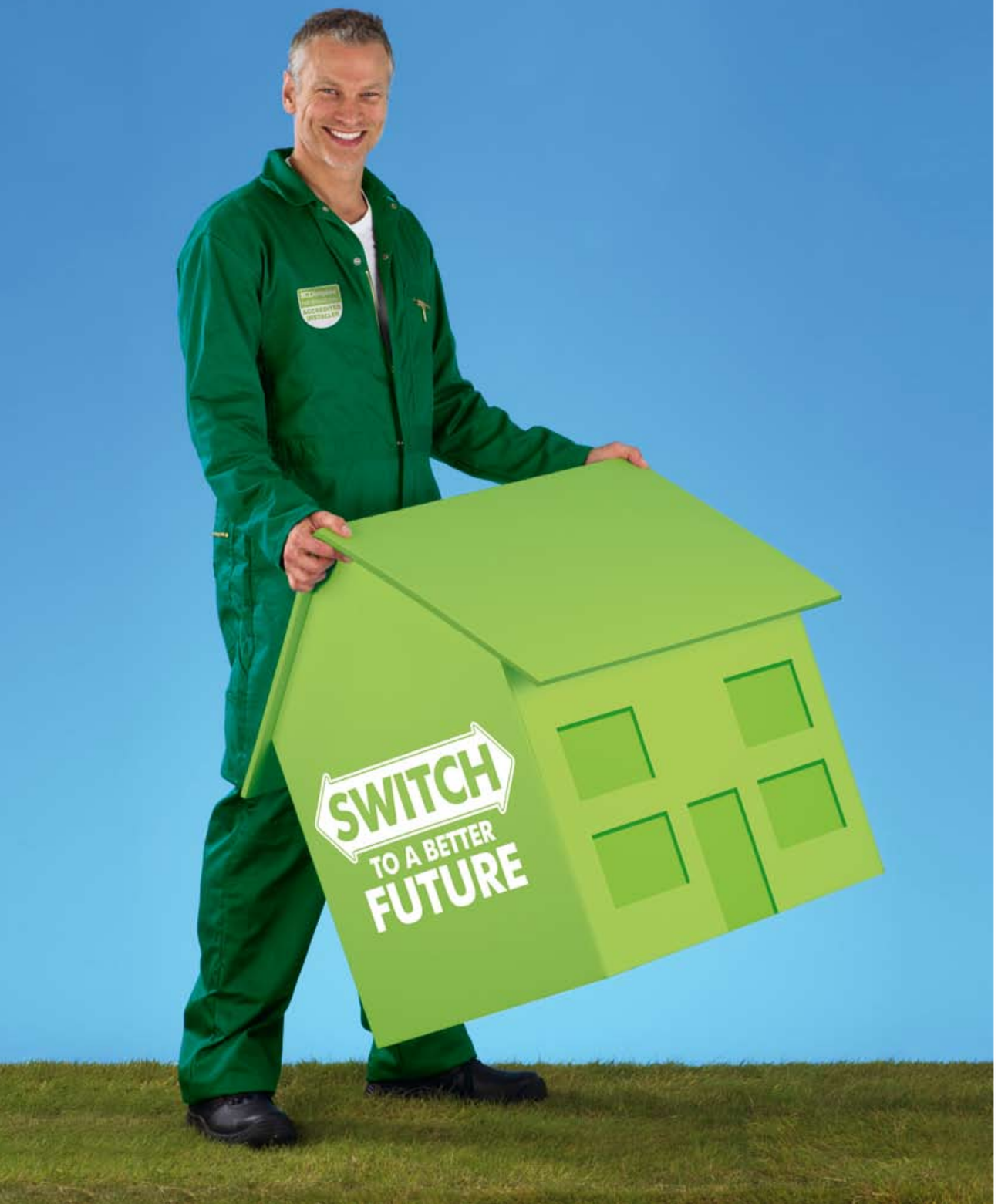
All of these government initiatives and legislative changes will lead to a rapid increase in the demand for renewable energy technologies such as heat pumps and solar heating.

Make sure your business is ready to take advantage of this rapidly expanding market by becoming an Accredited Dimplex Renewables Installer.

Heat Pumps – the facts:
- Convert energy from the environment into useful energy for home and hot water heating
- Ground source or air source solutions
- Typically 30 – 50% CO_2 savings over fossil fuels
- Low running costs
- Ideal where gas is not available
- Reliable, low maintenance, long life expectancy
- Recognised solution for achieving levels 3 – 4 of the Code for Sustainable Homes
- Can integrate with other technologies such as solar hot water
- Ideal for use with underfloor heating or high efficiency (low temperature) radiator systems such as Dimplex SmartRad
- Range of government grants and funding initiatives available

Solar Hot Water – the facts:
- Convert solar energy into useful energy for heating domestic hot water
- Up to 60% of a typical households hot water needs can be met from free solar energy
- A sustainable energy solution for reduced water heating bills and carbon emissions
- Aids Building Regulation Part L compliance and Code for Sustainable Homes ratings
- An ideal complementary solution for all types of heating systems
- A range of government grants and funding initiatives is available
- Contributes towards a higher rated Energy Performance Certificate

Be in the know



Heat pumps and solar water heating are among the most efficient and economical heating systems available, but only as long as the systems are properly applied, designed and installed.

Through our Accredited Installer Programme, Dimplex is committed to ensuring installations are delivered to the highest possible standards, to maximise energy saving and customer satisfaction.

Dimplex heat pump and solar installer training is independently accredited by Logic Certification and is designed to provide installers with the knowledge and skills to provide high quality installations with the backing of the UK's leading renewable heating brand.

What you get

- Vouchers to offset training costs
- Access to the full range of Dimplex products – we supply only to approved installers
- Comprehensive pre and post technical support – including a password-protected installer area on our website
- Access to commissioning and extended warranty services
- Access to further training on new products and initiatives
- Website listing for Accredited installers
- Marketing support materials to help you promote your business at local level
- Logic Certification and membership card
- Free welcome pack on arrival

Why choose Dimplex?

- UK's widest range of ground and air source heat pumps
- Extensive range of solar energy products
- 30 years experience manufacturing heat pumps
- Reputable company with 60 years experience and part of the global Glen Dimplex group
- Well-established brand name which your customers will recognise
- In-house technical support team and dedicated regional managers to support you and your business
- Continuous promotion of the Dimplex renewables range to both the trade and consumer
- Distribution through all major merchant outlets

Logic Certification

Independently accredited training through Logic Certification means qualifications are future-proofed, both through recognition by 3rd party certification schemes (such as MCS) and through the development in line with the future requirements of National Occupational Standards.

LOGIC CERTIFICATION
APPROVED ASSESSMENT CENTRE

"We've found the course made a real difference to our business, because it gives a thorough understanding of the technology. We can now talk knowledgeably to potential customers, giving us real credibility."

Mike Dowell
MD Micaul Solar, South Wales

Accredited Heat Pump Installer Training

LOGIC Domestic Heat Pump Installer + **DIMPLEX** Heat Pump Systems = Dimplex renewables ACCREDITED HEAT PUMP INSTALLER

Dimplex has worked closely with Logic Certification in the development of the Domestic Heat Pump Installer training course.

This Logic Certification accredited course forms the basis of Dimplex Accredited Installer training; candidates who successfully complete training with Dimplex will not only achieve Dimplex Accredited Installer status, but also be automatically registered with Logic Certification. Logic Certification training is recognised by the Ground Source Heat Pump Association and also fulfils the training requirements of the Microgeneration Certification Scheme, which heat pump installers will need to join in order to access grants and other funding.

Based on the level of installer experience, two training course options are provided:

- Full Dimplex Accredited Installer Training for those installers with no previous experience
- Dimplex product training for those installers with a recognised qualification/experience

FULL DIMPLEX ACCREDITED INSTALLER TRAINING

Consisting of Logic Certification Accredited Domestic Heat Pump Installer training, plus Dimplex air and ground source heat pump systems training.

Duration
Four days, with both a practical and written assessment at the end of the course.

Course scope
To provide candidates with sufficient theoretical and practical information associated with the specification and installation of air source and ground source heat pump systems for domestic and light commercial applications.

On successful completion of the course, installers will be able to design, supply and install air source and ground source heat pump systems, with additional specific training provided on the specification, set to work, pre-commissioning and hand over of Dimplex heat pump systems.

The scope of the course covers air source heat pumps up to 16kW and up to 24kW for ground source heat pumps, including horizontal and slinky ground collectors (for completeness, information is also provided on boreholes).

Who should attend?
- Plumbing, heating, HVAC and M&E engineers wishing to expand into the air/ground source heat pump sector

Prerequisite qualification requirements:
- A good working knowledge of heating/hot water systems and their design
- NVQ level 3 in the plumbing/heating field (or equivalent) OR equivalent experience (minimum 3 years)
- Dimplex requires competency in unvented hot water systems

Noted exclusion from training and assessment:
During the design of any heat pump installation accurately calculating the heat load requirement is paramount to ensure optimum and efficient operation of the system. Calculating building load and heating system design is not covered in any great depth in this course and candidates without that knowledge should either employ the services of a suitably qualified person, or take the **Logic Foundation Heating and Hot Water System Design and Specification** course which covers calculating accurate heat loads; this course is available separately from Logic Certification.

This course is not intended to cover borehole drilling or significant ground works, use of heavy plant and equipment or handling of refrigerants. The units covered in the course are pre-charge sealed units which should not require the refrigerant circuits being broken.

Course locations
- South: Southampton
- South East: Bedford
- East Midlands: Chesterfield
- Yorkshire & Humber: Rotherham
- Midlands: Wolverhampton
- North East: Hartlepool
- Eastern Scotland: Dundee
- Central Scotland: Glasgow

Venues correct at time of printing, please visit www.dimplex.co.uk/training for latest information.

Fees
First company employee
£595 + VAT
Subsequent company attendees
£450 + VAT

CIPHE
(M)CIPHE full members
First company employee
£450 + VAT
Subsequent company attendees
£405 + VAT

All fees include training manual, Logic Certification assessment and refreshments.

COURSE OUTLINE

DAY 1
- Heat pump technology overview, suitability and applications
- Project planning, health and safety
- Heat pump types, regulations and standards
- Heat pump science
- Modes of operation

DAY 2
- Heat emitters and building load design
- Air source heat pump design, selection and sizing
- Ground source heat pump design, selection and sizing
- Ground collector sizing

DAY 3
- Air source installation considerations and setting to work
- Ground source and collector installation considerations and setting to work
- Heat distribution system considerations
- Fault finding and servicing
- Assessment

DAY 4
- Overview of Dimplex air and ground source product ranges
- Dimplex accessories and ancillary products
- Technical manuals, documentation and support tools
- Installation considerations
- Heat pump sizing
- WPM heat pump manager set up

DIMPLEX AIR/GROUND SOURCE HEAT PUMP SYSTEMS TRAINING

Consisting of Dimplex product specific training, including product range, hydraulic system design and WPM controller configuration.

Duration
One day

Who should attend?
- This course is available to experienced heat pump installers only

Prerequisite qualification requirements:
- Logic Certification Domestic Heat Pump Installer, or
- Demonstrable heat pump installation experience supported with manufacturer or relevant other industry recognised training, or
- MCS approved company (heat pumps)

Fees
£75 + VAT

COURSE OUTLINE

DAY 1
- Overview of Dimplex air and ground source product ranges
- Dimplex accessories and ancillary products
- Technical manuals, documentation and support tools
- Installation considerations
- Heat pump sizing
- WPM heat pump manager set up

Accredited Solar Installer Training

LOGIC CERTIFICATION Solar Thermal Domestic Hot Water* + **DIMPLEX** Solar Systems = Dimplex renewables ACCREDITED SOLAR INSTALLER

Dimplex Accredited Solar Installer training is based around the Logic Certification Solar Thermal Domestic Hot Water qualification together with Dimplex solar products training.

Logic Certification Solar Thermal Domestic Hot Water training is recognised by the Solar Trades Association and also fulfils the training requirements of the Microgeneration Certification Scheme, which solar installers will need to join in order to access grants and other funding.

Based on the level of installer experience, two training course options are provided:

- Full Dimplex Accredited Installer Training for those installers with no previous experience
- Dimplex product training for those installers with a recognised qualification/experience

**Or equivalent from other certification board.*

FULL DIMPLEX ACCREDITED INSTALLER TRAINING

Consisting of Logic Certification Accredited Solar Thermal Domestic Hot Water Installer training and Dimplex solar systems training.

Duration
3 days, with both a practical and written assessment at the end of the course.

Course scope
The course will cover the predominant North European fluid filled, indirect solar water heating systems. 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

Areas to be covered:
- Regulations and standards
- Collector types
- Solar heated storage types (storage cylinders)
- Solar primary system types
- Basic system design & integration
- External & internal site survey, installation methods & materials
- Filling & commissioning
- Servicing & fault finding
- Dimplex product ranges and service offerings

Who should attend?
- Plumbing, heating, HVAC and M&E engineers wishing to expand into the solar water heating sector

Prerequisite qualification requirements:
- Experience in the installation of domestic cold and hot water systems
- Holder of a G3 certificate (or equivalent competency) in unvented hot water systems
- Logic Certification require that trainees hold at least one Department Community Local Government recognised competency in a conventional fuel i.e. gas, oil or solid fuel
- Alternatively, for those in the plumbing field a minimum of NVQ level 2 or equivalent plumbing qualification or experience is required as a minimum (NVQ level 3 preferred)
- Experience in basic electrical practice desirable
- Basic knowledge of the Water (Fittings) regulations desirable

This course is not intended to cover roof or access work in detail but does cover the legislative requirements, risk assessment requirements and working at height requirement. Wherever practical we would recommend the use of an experienced roofer to install the collectors (see www.nfrc.co.uk) although collectors will require connection at roof level by a plumber, so those wishing to carry this work out should be comfortable and experienced working at height.

(Note: Logic certification is currently completing a "Working at Heights" module specific to Solar Thermal installation which will be available through the centres as an addition to the above installation course.)

Course locations
- South East: Bedford
- East Midlands: Chesterfield
- Yorkshire & Humber: Rotherham
- Midlands: Wolverhampton
- North East: Hartlepool
- Eastern Scotland: Dundee
- Central Scotland: Glasgow

Venues correct at time of printing, please visit www.dimplex.co.uk/training for latest information.

Fees
First company employee
£395 + VAT
Subsequent company employees
£295 + VAT

All fees include training manual, Logic Certification assessment and refreshments.

COURSE OUTLINE

DAY 1
- Background to market
- Solar domestic hot water systems
- Solar connectors
- Storage vessels
- Solar primary circuits
- System controls

DAY 2
- Basic design and integration
- Installation materials and methods
- Filling, commissioning and maintenance
- Assessment

DAY 3
- Overview of Dimplex product ranges
- Dimplex accessories and ancillary products
- Technical manuals, documentation and support tools
- Installation considerations
- Solar system sizing
- Solar controller set up
- Set to work and commissioning

DIMPLEX SOLAR SYSTEMS TRAINING

Consisting of Dimplex product specific training, including product range, recommended system design and controller configuration.

Duration
One day

Who should attend?
- This course is available to experienced solar installers only

Prerequisite qualification requirements:
- Logic Certification Solar Thermal Domestic Hot Water Installer, or
- Demonstrable solar hot water systems installation experience supported with manufacturer or relevant other industry recognised training, or
- MCS approved company (solar thermal systems)

Fees
£75 + VAT

COURSE OUTLINE

DAY 1
- Overview of Dimplex product ranges
- Dimplex accessories and ancillary products
- Technical manuals, documentation and support tools
- Installation considerations
- Solar system sizing
- Solar controller set up
- Set to work and commissioning

Product Range Summary

Dimplex has the largest range of heat pumps in the UK and a full range of solar thermal water heating. The information below gives you a quick overview of our products.

AIR SOURCE HEAT PUMPS

Range features:

- Indoor or outdoor installation options
- Option for domestic or non-domestic applications
- High efficiency, low noise design/construction
- Minimum working temperature – 20°
- Models available for heating, hot water and cooling

Outdoor air source range features:

- Heating: 7 – 28kW
- Heating (high efficiency): 9 – 40kW
- Heating (medium temp): 22 – 26kW
- Heating (high temp): 22 – 26kW
- Heating and cooling: 11 – 35kW

Indoor air source range features:

- Heating: 11 – 40kW
- Heating and cooling with waste heat recovery: 11 – 16kW
- Heating (high temp): 22 – 26kW

GROUND SOURCE HEAT PUMPS

Range features:

- Options with fully integrated system components, or stand alone for flexible configuration
- Options for domestic or non-domestic applications
- Models available for heating, hot water or cooling
- Optional passive cooling

Single phase range features:

- Heating: 5 – 14kW
- Heating (high temp): 6 – 11kW
- Heating and cooling: 5 – 14kW

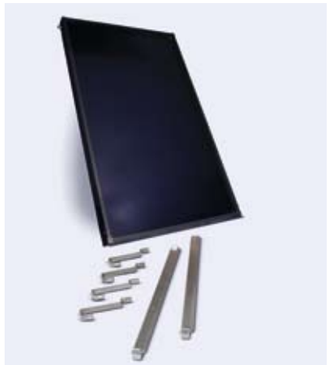
Three phase range features:

- Heating: 5 – 130kW
- Heating (high temp): 6 – 40kW
- Heating and cooling with waste heat recovery: 30 – 75kW

SOLAR THERMAL

Range features:

- High efficiency flat plate collectors
- Available with a range of roof mounting options including roof integrated
- Pressurised systems



- Choice of 9 roof kits dependant on roof covering each available in 2.2 m^2, 4.4m^2 or 6.6m^2
- Hydraulic kit contains correctly specified pump station, control unit, heat transfer fluid and expansion vessel
- Range of stainless steel cylinders available from 175 to 305 litres
- Range of accessories to aid installation including flexible pipe

Becoming an Accredited Dimplex Renewables Installer represents a significant opportunity for you.

Take the first step today – and switch to a better future.

For further information or to register for a course, please visit **www.dimplex.co.uk/training**
email: **training@dimplex.co.uk**
or call **0845 600 5111**

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Dimplex renewables®
An endless supply of energy

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