

# ecoskills

training in sustainable technologies



REDCAR &  
CLEVELAND  
COLLEGE

## Skills for a Sustainable Future

Training courses for systems design, installation and maintenance in the microgeneration of energy for the domestic market.



Accredited training  
provider

The National  
**Skills** Academy  
ENVIRONMENTAL  
TECHNOLOGIES

In partnership with

**VIESMANN**  
climate of innovation

# Leading the way in sustainable living

Sustainable living and the exploration and development of environmental technologies are vital for the future of the north east, UK and beyond, as we take steps to reduce the carbon footprint and educate society regarding the need to be more economic with the use of power.

Redcar & Cleveland College has invested heavily to support the emerging renewable energies sector, providing courses which enable qualified tradesman to up-skill in the design, installation and maintenance of the most commonly-used systems in the UK.

Accredited by SummitSkills and The National Skills Academy in Environmental Technologies, the College is playing a major role in transforming the ability of businesses in the building services engineering and

plumbing sectors to access key training skills to Microgeneration Certification Scheme (MCS) standards.

The College offers a range of short accredited training courses in solar domestic hot water heating systems, ground and air source heat pump installation, Photovoltaic (PV) systems and rainwater harvesting and greywater recycling systems, which will be offered on a regular rolling cycle with the option for additional courses to be provided at the convenience of businesses.

With the College's own fully functional house on site fitted with the latest Viessmann equipment, trainees can see a range of readily available domestic market technologies in operation and the benefits they bring.

## the greenhouse

**Trainees have a unique opportunity to expand their skills in the emerging sustainable technologies market with the help of a fully-functional residential property on the College site that has been fitted with the very best equipment in renewable energy.**

Redcar & Cleveland College, in partnership with leading supplier Viessmann, has developed The Green House, which has been equipped with a range of power-saving materials, from solar panels and Photovoltaic (PV) systems to ground and air source heat pump installation and rainwater harvesting tanks, which showcase how the latest technologies can be used in sustainable living.

Course participants will be able to see for themselves how the various elements have been installed and maintained, and what benefits they each bring to reducing both costs and the carbon footprint.

The Green House is a realistic domestic environment where students can develop their newly acquired knowledge and practical skills on specially-adapted rigs.



# Training courses

## Ground and Air Source Heat Pump Installation

Designed to give installers the skills and knowledge required to correctly install heat pumps, this course has been designed with the intention of meeting the requirements of the National Occupational Standards and is recognised as a demonstration of competence for the Microgeneration Certification Scheme (MCS).

## Rainwater Harvesting & Greywater Recycling Systems

This course aims to teach the design, installation and maintenance of rain harvesting and greywater recycling systems, covering the different types most commonly found in the UK. It will enable qualified building services engineers or plumbers to install these systems in line with legal and safety guidelines and in compliance with the Code for Sustainable Homes.

## Solar Photovoltaic (PV) Microgeneration Systems

This course will provide the skills and knowledge required to install small scale Photovoltaic (PV) systems to single phase supplies. The course is recognised as a demonstration of competence for the Microgeneration Certification Scheme (MCS).

## Solar Domestic Hot Water Heating Systems

A course such as this is a requirement for the minimum technical competency (MTC) document for solar installers. This course will enable trainees to select the most appropriate solar system based on the client's needs and then install and maintain safely and efficiently any of the commonly-used systems in the UK.

## Renewable Energy Awareness

A range of courses providing information on the different renewable technologies available and their key attributes, which will enable participants to identify the appropriate renewable energy solution for a specific scenario.



# Location and access



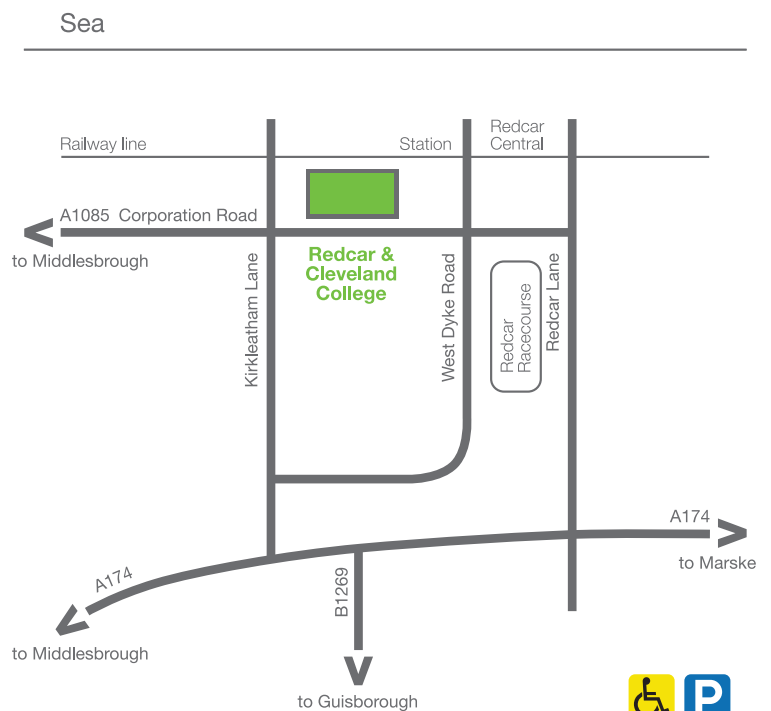
Redcar & Cleveland College is located in a residential area of the seaside town of Redcar, five minutes' drive from the A174 dual carriageway linking the town to the A19 North-South route.

There is ample free on-site parking, with barrier access and security staff.

The College is 500 metres from Redcar Railway Station, with frequent services linking directly to Middlesbrough, Teesside Airport and Darlington East Coast Mainline railway station.

Within a few minutes' drive of the beautiful coastline and countryside, Redcar and the surrounding areas have a broad range of accommodation to offer from Bed & Breakfast establishments through to full hotel services offering something for all budgets.

The College will be happy to provide information and assistance to those people who require accommodation.



For more information about the courses and start dates or to obtain specific course leaflets, call on **01642 777216** or visit our website.

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