



**STOKE
ON TRENT
COLLEGE**

ADVANCED GREEN TECHNOLOGY CENTRE

Innovative Training for Sustainable Futures

TRAINING PROSPECTUS


Ofsted
Good
Provider



Artist's impression

MISSION

Creating Successful Futures - ambitious outcomes for all learners enabling them to positively progress.

VISION

Our vision is to be the technical and professional college of choice for Stoke-on-Trent and the surrounding area, enabling progression for all to a successful future, and being a trusted partner to employers, the community and our stakeholders. We will create successful futures through inspired teaching, learning and skills training.

INTRODUCTION

Green technology, clean technology, net zero stand at the forefront of sustainable development, addressing global challenges such as climate change, renewable energy, and environmental preservation. As an advanced green technology training provider, it is essential to implement an approach to education that balances technical expertise, innovative thinking and a deep commitment to sustainability. Stoke on Trent College's Advanced Green Technology and Retrofit Centre outlines a comprehensive framework for delivering cutting-edge green technology programmes, designed to equip the industry with the skills to lead in this rapidly evolving sector in order to become 'Skills Ready, Future Ready'.

OUR APPROACH - CORE PRINCIPLES

- **Sustainability-Centric Curriculum:** We prioritise sustainability to help you build skills that support long-term environmental and social responsibility in your workplace.
- **Industry-Focused Lifelong Learning with Real-World Applications:** Our training aligns with industry demands, ensuring you continuously develop relevant skills that can be applied immediately on the job.
- **Interdisciplinary Approach:** By integrating knowledge from multiple fields, we help you solve complex problems more effectively.
- **Innovation and Research Focus:** We foster a culture of innovation and research, empowering you to contribute fresh ideas and drive meaningful improvements within your organisation.

PROGRAMME COMPONENTS

- **Foundational Knowledge:** We provide essential core knowledge to build a strong base for your career growth and workplace success.
- **Specialised Training:** Our focused training equips you with expert skills tailored to your specific industry or role.
- **Skills Development 'Skills Ready, Future Ready':** We help you develop practical, adaptable skills that prepare you to meet today's demands and tomorrow's challenges.
- **Industry 'Partnerships with Purpose':** We collaborate with industry leaders to ensure our training is relevant, impactful, and aligned with real-world business needs.





TEACHING METHODOLOGY

STARTING POINT REVIEW

We assess your current knowledge and skills to tailor the training experience to your needs.

PROBLEM-BASED LEARNING

Training focuses on solving real-world problems to enhance critical thinking and practical application.

BLENDED LEARNING

A mix of online and in-person training provides flexibility and maximises learning effectiveness.

PROJECT-BASED LEARNING

Hands-on projects allow you to apply what you've learned in meaningful, work-related contexts.

CONTINUOUS ASSESSMENT FOR LEARNING

Ongoing feedback and evaluations help track your progress and support continuous improvement.

OUR COURSES

Explore our comprehensive range of green technology courses, designed to equip you with the skills and knowledge needed to drive sustainable innovation and environmental responsibility in today's rapidly evolving industries.

HEAT PUMPS (AIR SOURCE)

Air Source Heat Pump Design

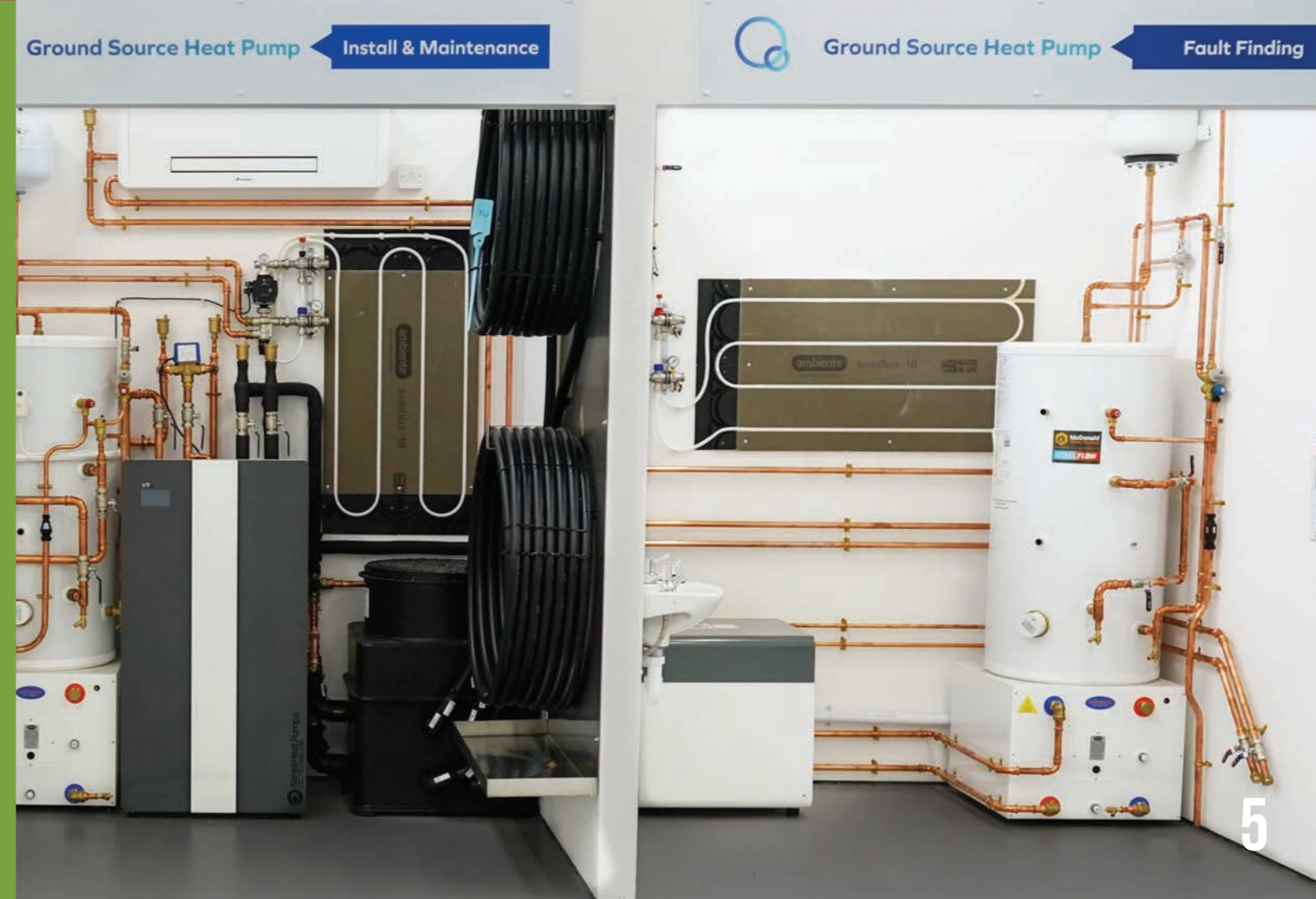
Air Source Heat Pump Fundamental Concepts

Installation, Commissioning, Services, Maintenance, and Decommissioning of Air Source Heat Pump Systems

Level 2 Award in Fundamental Principles of Renewable Technologies and Sustainable Energy

Level 2 Certificate in Fundamental Principles of Renewable Technologies and Sustainable Energy

Level 3 Award in the Installation of Air Source Heat Pumps



OUR COURSES

MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)

Level 2 Understand Air Quality and Ventilation Requirements for Buildings

Level 4 Ventilation and Energy Performance Requirements of Dwellings

Level 2 Maintaining Heating, Ventilation and Air Conditioning Plant in Property Maintenance

Level 4 Ventilation and Energy Performance Requirements of Dwellings, including for Older and Traditional Buildings

SOLAR PHOTOVOLTAIC (PV)

Level 3 Certificate for Solar PV Installer and Operator

Level 3 Award for Solar PV Installer and Operator

Level 5 Certificate for Certified Solar Photovoltaic Practitioner

SOLAR THERMAL

Level 2 Solar Thermal Fundamental Concepts

Level 2 Solar Thermal System Design

ELECTRIC VEHICLE

Electric Vehicle Charging

Level 1 Award in Electric/Hybrid Vehicle Awareness

RETROFIT

Level 2 Award in Understanding Domestic Retrofit

Level 3 Award in Domestic Retrofit Advice

Level 4 Award in Retrofit Assessment for Domestic Dwellings, and Older and Traditional Buildings

Level 5 Diploma in Retrofit Coordination and Risk Management

Airtight Testing Training Course

INSULATION

Level 2 Diploma for Insulation and Building Treatments: Cavity Wall Insulation

Level 3 Diploma for Insulation and Building Treatments: External Wall Insulation Boarder

Level 2 Diploma for Insulation and Building Treatments: Cold Roof Insulation

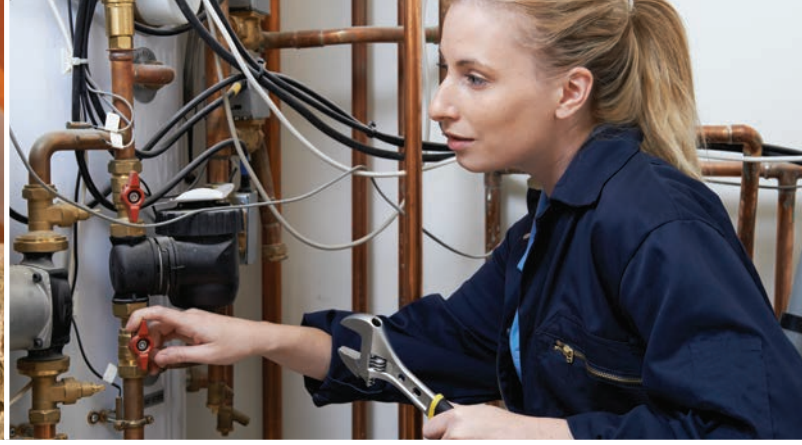
Level 3 Diploma for Insulation and Building Treatments: External Wall Insulation Boarder and Finisher

Level 2 Diploma for Insulation and Building Treatments: Solid Floor Insulation

Level 3 Diploma for Insulation and Building Treatments: External Wall Insulation Finisher

Level 2 Diploma for Insulation and Building Treatments: Under Floor Insulation

Level 3 Diploma for Insulation and Building Treatments: Insulation Framed Sections of Buildings



CONTACT US

To find out about the range of courses on offer, visit stokecollege.ac.uk or email info@stokecoll.ac.uk

Are you an employer?

We'd love to hear from you, get in touch at business@stokecoll.ac.uk

www.stokecollege.ac.uk



**STOKE
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COLLEGE**

PARTNERS



ACCREDITATIONS

