



BTEC Level 3 Advanced Award in Renewable Energy Assessment

BOOK ON 08455 333 035

Course Fees -	£1,495 + VAT
Course Duration -	3 Days
Included -	Manuals, Slides, Software, Technology Demos¹, Site Visits
Extra Services -	Private Tuition²

Smart Energy & Environmental Training is the only company in the UK offering a **BTEC Qualification** in the study of Renewable Energy Assessment. The structure of the course allows individuals with no experience of the energy sector to embark on a new and exciting prospective career in Energy Consultancy. It is also a natural progression for more experienced energy professionals looking to add to their existing business and improve their knowledge of this growing area of the market.

The government has set clear targets for the reduction of carbon emissions by one third by 2020 and by four fifths by 2050 calculating from the 1990 baseline levels. Consequently, investment into renewable technologies is both a government and business priority in ensuring emission reductions. In addition, there is a target that from 2016 all newly built domestic properties will be carbon neutral and from 2019 all newly built commercial properties will be carbon neutral. Those who specify, manufacture, build and advise on carbon emissions need to both be aware of, and to comply with, the requirement to meet these targets.

The unit is designed to provide the candidates with the capacity to carry out feasibility studies on domestic and commercial buildings by looking at integrating renewable energy technologies into constructions of various types. This will necessitate consideration of both the technical and financial aspects associated with adopting and installing renewable energy technologies.

¹ Live examples of Renewable Technologies on our UNIQUE sustainable trailer

² 1 on 1 sessions available for additional learning, prices available on request



The **BTEC Level 3 Advanced Award in Renewable Energy Assessment** Course is a natural step up from the Energy Assessor qualifications, but does not require candidates to hold any previous experience.

Intense training is carried out using our Feasibility Software and by combining the skills learnt on the course and the powerful calculation capability of the software, candidates are quickly able to identify opportunities for clients to reduce emissions and take advantage of financial benefits and savings.

This knowledge will allow candidates to offer services that existing energy assessors cannot. Since the introduction of the Energy Performance Certificates in 2008, which give an asset rating for individual buildings via government backed software, residential and commercial customers have been made more aware of the energy efficiency of their property. However, a majority have not yet been able to implement improvements as they have not been provided with the tools to do so, thus creating the need for Energy Consultants and Advisors to offer realistic advice outlining available technologies and financial implications.

Our candidates are now in a position to secure that business in a rapidly growing market.



Get hands on with the Renewable Technologies on our UNIQUE trailer



COURSE OVERVIEW

Day 1:-

- The Industry and its Opportunities
- Energy Bills, Units and Emissions
- Introduction to Technologies
- Energy Efficiency Measures
- Financial Analysis Basics
- Introduction to Feasibility Software

Day 2:-

- Biomass
- Heat Pumps (Air Source, Ground Source)
- Solar Heating
- Photovoltaic Panels
- Wind Energy
- Emission and Financial Analysis

Day 3:-

- Case Studies
- Project Analysis
- 1 on 1 Tutor Discussion
- Impacts
- Reports

**FOR MORE INFORMATION OR TO DISCUSS YOUR
REQUIREMENTS PLEASE CALL US ON:**

08455 333 035 (Local Rate)