Training in Energy and Carbon: Introduction to Renewables

Introduction

Energy Redefined is a company based in Scotland UK, focusing on providing innovative solutions to energy companies navigating the transition to a Cleaner Economy. We are a clean energy intelligence company collecting hard to find data, processing and analyzing it to write reports, consult and provide training. We are a small company providing innovative services to those companies operating in the Energy arena. We create real actionable guidelines and provide valuable alternative insights. Although we are small we have access to a network of specialists in risk management, smart metering, energy economics, Carbon trading and offsets, technology and operations.

Overview

Essentially this is a course on how the Renewables industry works from the prospective of generating power. It is an introductory course for someone entering the industry or those who want a view on competing technologies. This course will enable you to:

- Understand how Renewable energy technologies work
- Appreciate their cost, and revenue generating potential
- Identify their carbon reduction potential

This course aims to cover these areas including an analysis of the technical challenges, economic and planning issues associated with each renewable energy technology, preparation of energy statements to demonstrate compliance with planning requirements and available software tools to facilitate the process.

Course Content

- Fossil fuel negatives - the need for renewables

- What renewable energy technologies are available in the market?

- Which policies encourage their uptake? Government Incentives

- Renewable Energy Targets

- Technologies (What are they, costs, profitability)
    - PV Solar
    - Wave
    - Wind
    - Biomass
    - Ethanol and Biofuels
    - Geothermal
    - CHP
    - Efficiency improvements
    - Fuel Cells
    - Hybrids
    - Mini Nuclear?
    - Smart metering
    - Power storage
    - Clean Coal
    - CCS
    - Demand side management via Electric cars

- What are the costs, savings, carbon reductions and compliance issues to consider?

- What are the challenges in developing a renewable project?

- Valuing renewable projects – introduction

- Carbon trading – an introduction – a competitive option?

Why you might want to go on one of our Courses

Some of the greatest challenges faced by governments and businesses today are concerned with energy. It is now widely accepted that there needs to be a shift in the way we think about this valuable resource, both where it comes from and how we use it.

This essentially means that there is a growing need for effective 'low-carbon' technologies and better use of the existing fossil resources. This presents a significant opportunity for businesses and individuals who have expertise in this field.

Energy Redefined was set up in 2009 to help companies navigate this transition. We have provided advice, data and analysis to some of the leading lights in this field and now we are now offering training materials to enable you to start this transition.

Who typically attends our Courses:

- ➢ General Managers
- ➢ Carbon Managers
- ➢ Economists
- ➢ Commercial and Strategic managers
- ➢ Sustainability Officers
- ➢ Small Business Owners
- ➢ Accountants
- ➢ Lawyers & Solicitors
- ➢ Aspiring Carbon Professionals
- ➢ Aspiring Energy Professionals

The course will benefit developers, planning officers, Facilities and energy managers who are considering renewable technologies.

If you would like further information please contact either our training department at

training@energy-redefined.com

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