

## Level 2 Training – Workplace Energy Savings

Your organisation's employees can be your most powerful asset in achieving and sustaining energy and cost savings. Training encourages and empowers staff to take ownership of implementing energy saving opportunities identified.

JRP Solutions' structured Energy Awareness Training Programme has four levels of training to suit different organisations' requirements.

**Level 2** is a 1-day course tailored to the requirements of each organisation. It includes content from the Level 1 course and if required can include the Level 1 certification and qualification. This will be followed by a practical workshop based around an energy audit of the workplace. The trainees will be guided by the trainer to identify energy saving opportunities in their own organisation. The trainees will learn how to qualify, quantify and prioritise opportunities from the energy audit and formulate an Action Plan, which will be available for implementation and further development after completion of the training.

### Level 2

- A tailored 1-day course delivered as a combination of classroom and practical work session seeking opportunities in the place of training.
- Suitable for all employees, no previous knowledge or experience required.
- An Independently recognised qualification in energy awareness by **Energy and Utility Skills**.
- Delegates attending this training course will be issued with course notes and a CPD certificate.
- From £250 per delegate\*, with a minimum of 10 delegates.

### Course Content

- Introduction to energy
- Energy use, how it affects the cost of running a business and the effect on our environment
- What is meant by energy and carbon emissions
- How does the workplace and job affect energy use
- What is energy
- Why should we be concerned about energy use
- Why are CO<sub>2</sub> emissions harmful
- How does energy use cause CO<sub>2</sub> emissions
- What are the UK CO<sub>2</sub> emissions
- What is the UK electrical generation split
- Explanation of coal, natural gas and electricity supplies to the UK
- Where exactly does our energy come from
- Energy prices and breakdown
- Relative costs of electricity, natural gas and transportation
- Practical evaluation of energy use and energy cost through the example of how do you efficiently make a cup of tea.
- Clear demonstration of answers to the above and the impact in terms of cost and CO<sub>2</sub>
- Lighting in the workplace and reducing lighting costs
- Electricity use by office equipment
- Heating and air conditioning in offices
- Ways to save energy (and improve control) in offices
- Bad practices in HVAC
- Heating and ventilating of larger buildings
- Different types of heating for larger buildings
- Compressed air including the energy cost of providing air, the cost of leaks
- Introduction to blowers and aeration systems
- What is energy monitoring and reporting and how to identify wastage or improvements in energy usage? Why is energy reporting important?
- Energy reporting and legislation
- Looking at reducing energy use and costs in the delegates own workplace.
- Creation of an Energy Action Plan

An important element of the Level 2 course is the practical session in the workplace looking at reducing energy use and costs in the delegate's own environment which covers the following areas:

- How to identify savings and implement them
- Analysing the data
- What is a regression analysis and what does it tell you?
- Hourly electricity profiles
- How to use Sankey diagrams
- Carrying out a walkabout survey
- Examining the process
- How to identify opportunities
- How to qualify opportunities
- Production of an action plan
- Summary of common themes in identifying energy savings

For more information, please contact [info@jrpsolutions.com](mailto:info@jrpsolutions.com) or telephone 0800 6127 567

**www.jrpsolutions.com**

\*Dependant on number of delegates and any bespoke requirements.