ENTRY FORM

Training for Building Performance Award

The Training for Building Performance Award will be presented to the organisation that can demonstrate how a training initiative, innovation or programme has had a significant effect upon staff skills and development, resulting in a positive impact on the performance of buildings through design, construction, commissioning or operation.

Entries should be for Training Activity undertaken during the period **1 April 2012 to 31 July 2013**. Entries can be for UK based or overseas projects.

Please complete the entry form below. The headings reflect the judging criteria and the judges will be looking for you to provide the relevant information under each heading.

Training Details

Training name

As you wish the training to be referred to throughout the competition.

BREEAM Accredited Professional Training

Organisations

Please provide the names of all organisations that you would like to be credited in your entry. Please ensure that the company names you list are accurate as we will be reproducing these on screen and in print. It is essential that you have the consent of all those named below to include them.

BRE Group Training

Entry Details

Summary

Please provide a synopsis of the training and its building performance, low carbon and energy efficiency objectives.

BREEAM Accredited Professional educates, inspires and empowers building designers to deliver better sustainable buildings through a greater understanding of BREEAM, its role in the design process at the key stages of the construction cycle and the pit-falls that can result in poorer outcomes. A qualified BREEAM AP will be better placed to guide the design team and their client through the design and assessment of sustainability helping to maximize performance minimize costs and lower barriers to the uptake of more sustainable solutions.

The course gives the delegates a thorough understanding of the technical and operational elements of BREEAM and highlights areas where credits can be gained based upon good practice.

This naturally leads to lower carbon buildings in BREEAM as energy is the section which is heavily weighted to thus focusing the designers to create low impact and low energy buildings.

The technical sections below are the primary drivers for AP's to produce a low carbon building using BREEAM certification.

The Energy section encourages the AP to think about energy in a methodical way by reducing the initial demand in the building through better design and construction before considering the methods of provision of energy through locally supplied low or zero carbon technologies alone, or through a combination with grid supplied electricity.

We also encourage by means of a detailed feasibility study the use of private wire connected LZC technology appropriate to the project based on a number of factors which includes cost, payback, aesthetics, suitability, lifecycle costs and local CHP schemes, it also encourages the use of free cooling for the building where appropriate.

Transport: Encourages the AP to stimulate discussion in the design team around the provision of good transport links and dedicated transport and the reduction of parking spaces to reduce the impact of individual travel to the site.

Materials: Especially on insulation encourages the designer to specify the lowest impact materials taking account of the impact during production, construction, operation and end of life. The thermal properties of insulation once installed are taken into account in the energy section of BREEAM

The scheme also encourages low water usage, better indoor environamtal conditions for the users balanced against the energy performance of the building.

Please outline how your entry meets each of the entry criteria – judges will be looking for information in each of the sections when assessing the entries

Any documents, charts or photos can be referenced and included in your supporting documents.

The nature of the initiative and how it leads to better building performance.

Entry to the course is restricted to building design professionals from various backgrounds and institutions and the BREEAM Accredited Professionals are encouraged to implement BREEAM principles throughout the whole design process and building lifecycle. The online training modules give the delegate a deep understanding of the requirements of BREEAM in each technical section thus enabling the AP to balance the needs of the client against BREEAM and environmental best practice. In addition it facilitates early engagement to not only provide a better building at a lower cost but to focus the design team to deliver a better quality building by developing a focus on sustainability in a structured way.

Any special challenges or constraints experienced in the development of the initiative and how they were overcome.

One of the main challenges was designing a course which was accessible to the designers and delivers the information on their level. In the process of developing this course we had a number of focused workshops made up of design professionals to assist in getting the qualification tailored to suit but challenge the industry.

In addition we wanted to be able to deliver this course to a wider number of professionals with minimum disruption to their work life, thus we chose to use a blended learning approach as we developed a bespoke Moodle based platform to deliver this course which has not been subsequently adopted for our wider portfolio of education.

Examples of training materials used.

The course is a modern blended learning approach which starts with an intense online technical course which gives the delegate a full immersion into BREEAM's technical and operational requirements, this is delivered through a mixture of static PDF documents and animated voiced over presentations for the delegate to chose from, once in the classroom we switch to a workshop approach with live presentations and workbook / group exercises.

Samples of the training materials are included with this submission

The successful application of the initiative and its impacts (actual or intended).

Qualified BREEAM AP's guide the client and design team to facilitate a better designed sustainable building at a lower cost through early consideration and implementation of BREEAM principles thus embedding them into the buildings core design. Whilst it is difficult to quantify the measured energy results we would expect a high scoring BREEAM building to achieve a significant reduction in operational energy over a building regulation compliant equivalent building. (In some cases up to and beyond 100% energy performance improvement).

How the initiative met or exceeded the original objectives.

The training course and qualification leads to existing professionals implementing levels beyond best practice.

The AP and qualification has recently been adapted to deliver better sustainable buildings internationally through high demand from the international market, the princliples learned on the course could easily be utilized to deliver a better, more energy efficient building that is not seeking to achieve a certified rating, this demand has far exceeded our initial expectations and as such BREEAM AP is having a much wider impact on the built environment than we initially anticipated.