sustainable solutions

Capita Symonds provides a variety of services within the field of sustainability. We have the knowledge, skills and expertise to provide your organisation with the support and technologies to improve efficiency and reduce your carbon emissions.

Capita Symonds is committed to continual improvement in environmental performance and to pollution prevention. We are accredited with Environmental Management System Standard BS EN ISO 14001.

Services include:

- BREEAM: Education, Health, Office, Retail and Industrial Assessments
- Code for Sustainable Homes and EcoHomes Assessments
- Display Energy Certificates (DEC) & Energy Performance Certificates (EPC)
- Energy Surveys, Budgeting & Forecasting
- Sustainable Design Advice
- Building Regulation Compliance, Part L1 and L2
- Low and Zero Carbon Technologies Advice
- Funding and Grant Advice

Clients include:

- Blackburn with Darwen Borough Council
- Bolton Middlebrook Arena
- Lancashire Police Constabulary
- Lancaster City Council
- Ribble Valley Borough Council
- Rossendale Borough Council
- Univar Ltd
- University of Central Lancashire

CAPITA SYMONDS

successful people, projects and performance

Blackpool and Fylde College - Multi-site Energy Assessment

A multi-site assessment of Blackpool and Fylde College was undertaken in 2007 under the Carbon Trust scheme. Four college campus sites were audited, identifying and recommending a series of options, which, once implemented, could reduce the overall energy consumption by 29.2% and a reduction in cost by 26.8%. The payback period for implementing the recommendations identified in the audit was 1.34 years.

Blackburn with Darwen Borough Council - Multi-site Energy Assessment

An assessment was undertaken to highlight areas for saving in terms of management and technical appraisals. 15 sites were audited which were typical of the Council's 200+ properties. Sites included schools, community centres, transport depots, office locations, sports halls and swimming pools. Through the implementation of the recommendations, it was identified that there was a potential to achieve a 7.5% reduction in the overall energy consumption and 6.4% reduction in overall energy costs. The benefits of undertaking this assessment were to raise awareness of and show the potential to reduce CO_2 emissions and fuel costs.

Blackburn with Darwen Borough Council - Energy Surveys / Design Advice

A new build leisure centre in Darwen required an energy efficient system to provide space and water heating. Leisure centres have significant electrical and thermal loads throughout the year. Through a comprehensive feasibility study it was decided that the most practical and efficient application of an energy efficient technology to reduce fuel costs, was to design a combined heat and power system to meet the centres robust energy demands. The benefits of this system included a reduction in CO_2 emissions, fuel costs and an improvement over the Part L Building Regulations notional building type.

St Chads High School, Runcorn - BREEAM Assessment

BREEAM is the world's longest standing and most widely used environmental assessment method for buildings. It sets the standard for best practice in sustainable development and demonstrates a level of achievement. In November 2005 the high school successfully secured £7.1m of funding from the DfES initiative - School Capital Targeted Funding 2006-2008. Capita Symonds was chosen to undertake a BREEAM assessment for phase 2 of the project, requiring a 'Very Good' rating involving the construction of two new developments consisting of a Science Block and Sports Hall.

Blackburn College - Multi-site Energy Assessment

The multi-site, energy audit assessment of larger campus buildings was undertaken in 2005. The operational inefficiencies of the energy management system were identified and alternatives were provided and recommended to increase system efficiency. The audit highlighted opportunities for improvement in terms of plant replacement and modifications to existing systems. Performance was measured in terms of energy saved (kW), cost (£) and potential payback period of implemented recommendations in years.

Whiteley Homes Trust, Walton-on-Thames - Energy Strategy

Capita Symonds provided an energy strategy for the trust's property portfolio comprising of two hundred and sixty cottages, a residential nursing home and ancillary trust buildings. All properties within the estate were Grade II Listed. Through financial investigation using a discounted cash flow analysis, a recommendation was made for a district heating system including combined heat and power. An engineering solution and implementation programme was recommended to be used in conjunction with a site development plan.

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