# 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

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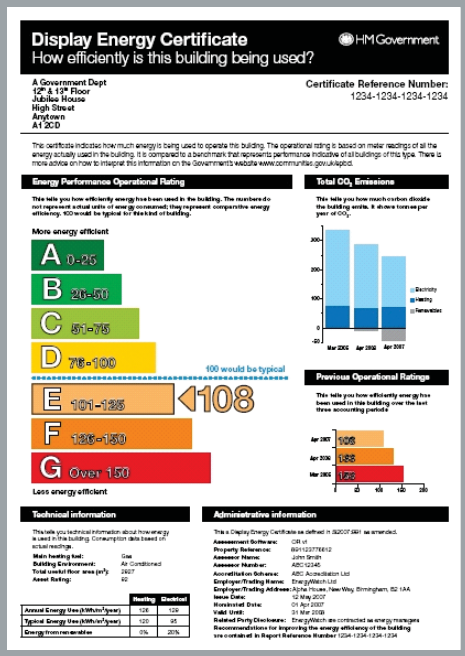
successful people, projects and performance

# latest news...

## Energy Performance Certificates (EPCs)

From **1 October 2008, all** non-domestic buildings, save for a few excepted cases, will require an Energy Performance Certificate on construction, sale or let.

- EPCs look broadly similar to the energy labels now provided with vehicles and many household appliances. Its purpose is to indicate how energy efficient a building is.
- The certificate will provide an energy rating of the building from A to G, where A is very efficient and G is the least efficient. The energy performance of the building is shown as a Carbon Dioxide ($CO_2$) based index.
- Each energy rating is based on the characteristics of the building itself and its services (such as heating and lighting). Hence this type of rating is known as an asset rating.
- The asset ratings will reflect considerations including the age and condition of the building. The recommendation report provides advice on using the building more effectively, cost effective improvements to the building and other more expensive improvements which could enhance the building's energy performance.



Display Energy Certificate
How efficiently is this building being used?
HM Government

A Government Dept
12th & 13th Floor
Jubilee House
High Street
Anytown
A1 2CD

Certificate Reference Number:
1234-1234-1234-1234

The certificate indicates how much energy is being used to operate this building. The operational rating is based on meter readings of all the energy actually used in the building. It is compared to a benchmark that represents performance indicative of all buildings of this type. There is more advice on how to interpret this information on the Government's website www.communities.gov.uk/epbd.

Energy Performance Operational Rating

This tells you how efficiently energy has been used in the building. The numbers do not represent actual units of energy consumed; they represent comparative energy efficiency. 100 would be typical for this kind of building.

More energy efficient
A 0-25
B 26-50
C 51-75
D 76-100
100 would be typical
E 101-125
108
F 126-150
G Over 150
Less energy efficient

Total $CO_2$ Emissions

This tells you how much carbon dioxide the building emits. It shows tonnes per year of $CO_2$.

Previous Operational Ratings

This tells you how efficiently energy has been used in this building over the last three accounting periods

Technical information

This tells you technical information about how energy is used in the building. Consumption data based on actual readings.

Main heating fuel: Gas
Building Environment: Air Conditioned
Total useful floor area ($m^2$): 2607
Asset Rating: 92

| | Heating | Electrical |
|---|---|---|
| Annual Energy Use (kWh/$m^2$/year) | 126 | 129 |
| Typical Energy Use (kWh/$m^2$/year) | 120 | 45 |
| Energy from renewables | 0% | 20% |

Administrative information

This is Display Energy Certificate as defined in SI2007 5851 as amended.

Assessment Software: CIR v1
Property Reference: 6911237766612
Assessor Name: John Smith
Assessor Number: ABC12345
Accreditation Scheme: ABC Accreditation Ltd
Employer/Trading Name: EnergyWatch Ltd
Employer/Trading Address: Alpha House, New Way, Birmingham, B2 1AA
Issue Date: 12 May 2007
Nominated Date: 01 Apr 2007
Valid Until: 31 Mar 2008
Related Party Disclosure: EnergyWatch are contracted as energy managers
Recommendations for improving the energy efficiency of the building are contained in Report Reference Number 1234-1234-1234-1234

## Display Energy Certificates (DECs)

The requirement for Display Energy Certificates comes into effect from **1st October 2008**. All buildings that fall into the following three categories require certificates:

- Useful floor area over 1000$m^2$
- Occupied by public authorities
- Institutions providing public services to a large number of persons.

- A DEC shows an **operational** rating which conveys the actual energy used by the building as well as the **asset** rating (if available) showing the intrinsic performance of the building.
- **Only** public authorities or institutions providing public services (those services traditionally associated with local or national government) **occupying** a building must display a DEC. Other private occupants of the same building are not required to display a DEC.

### We can help

**Our Sustainable Solutions Consultants are registered with the CIBSE Low Carbon Consultants Scheme as Energy Assessors and can assist your organisation with Energy Performance and Display Energy Certificates for both new and existing non domestic buildings.**