

building services sustainability and energy consultancy

Other services provided by Capita Symonds Building Services

Based in nine strategically located offices and employing over 200 professional and technical staff, the Building Services division of Capita Symonds is one of the leading creative engineering design consultancies in the UK.

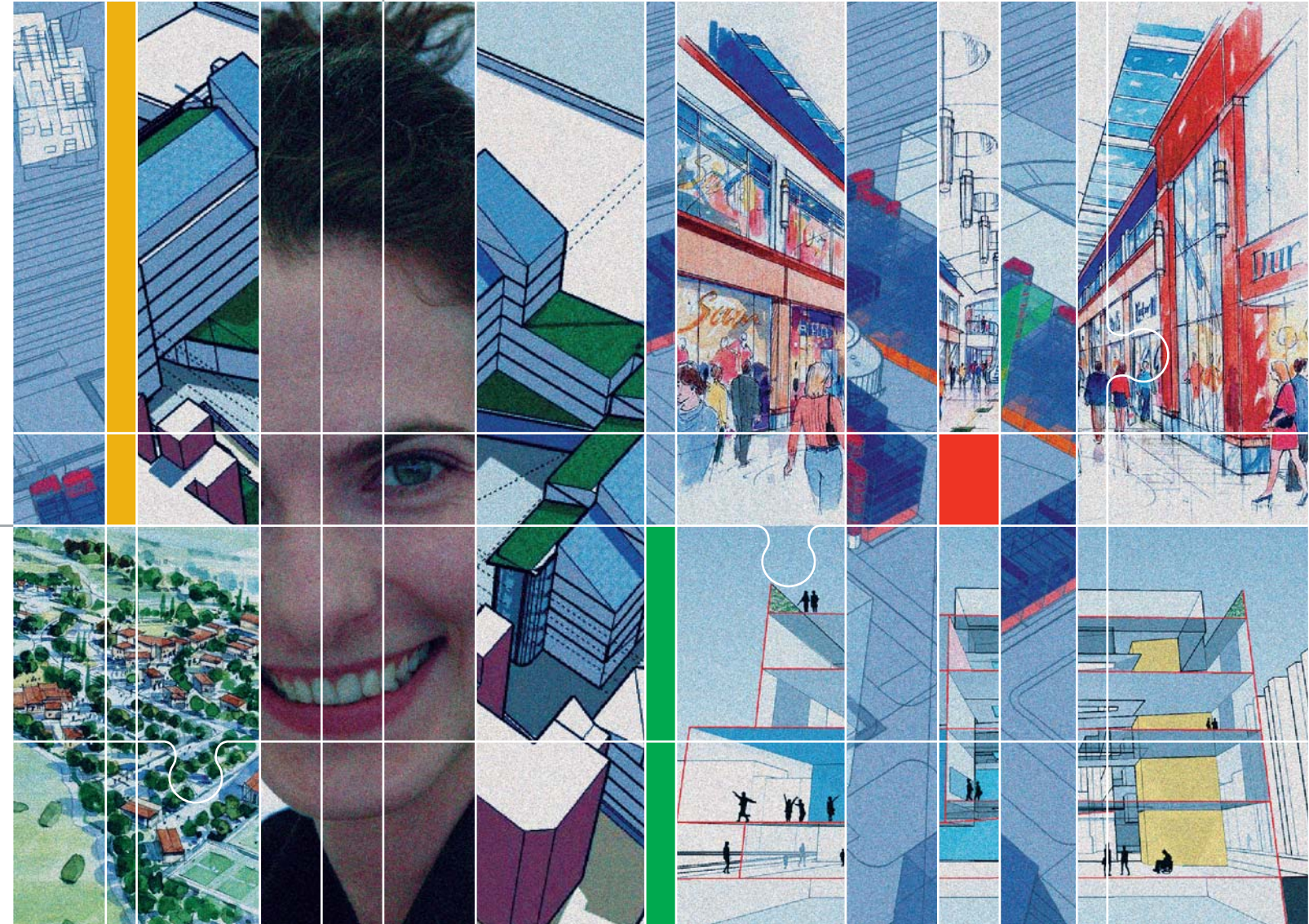
We offer a complete building services design service to provide contemporary, efficient and cost-effective solutions to all sectors of the property market.

Our wide range of experience ensures that we are able to effectively contribute to all aspects of the design, procurement, construction and handover phases of each project. We are innovative and achieve the highest professional standards based on policies of employing and developing high calibre staff.

Capita Symonds adopts a pragmatic approach to ensure a clear understanding of client's technical and business needs. This ensures robust and practicable engineering solutions incorporating the latest technology, sustainability and energy efficiency to achieve best value:

- engineering services infrastructure design
- feasibility and business case studies
- concept and detailed design
- energy and environmental consultancy
- process engineering consultancy
- lift and escalator consultancy
- acoustic engineering consultancy
- facilities management advice and monitoring
- condition and acquisition surveys
- client's advisor and project monitoring
- site supervision
- engineering systems and insurance investigations

Our philosophy is for total involvement in each project and to contribute positively to all aspects of design, procurement and construction.



www.capitasymonds.co.uk

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CAPITA SYMONDS

successful people, projects and performance

services for sustainability

The key to delivering the sustainability agenda lies in both multidisciplinary and interdisciplinary services. As one of the UK's largest and most diverse environmental, engineering and property consultants, we are able to offer a wide range of professional services encompassing master planning, feasibility, design, impact assessment and facilities management. Our offering includes:

involvement

From conception to completion to satisfy our clients sustainability agenda and the requirements of regulators and stakeholders.

regulations

We ensure that we comply to the new 2006 Part L Building regulations and the 2003 EU Energy performance in building directive.

productivity

Improve productivity of buildings with a strategic approach to energy and water.

BREEAM

We have certified assessors who are able to carry out BREEAM assessments on various types of developments and aim to achieve a 'very good' BREEAM rating and where possible an 'excellent rating'.

thermal analysis software

In house trained software analysts who are able to model all types of developments to ensure that new or refurbished developments meet with new building regulations requirements.

computational fluid dynamics analysis

Our specialist team can carry this out for particular areas of concern where air flow patterns are of high importance.

advanced software

We can use our Thermal Analysis Software to model the effects of solar shading from local purpose devices and that provided by other buildings around the development.

environmental issues

We can calculate yearly energy demands, CO₂ emissions and summer time temperatures using Thermal Analysis Software.

renewable energy strategy

We have experienced trained engineers who are knowledgeable in renewable energy systems and can provide information to suit any development type.

renewable energy strategies

We can provide advice and designs for strategies to suit different developments and to meet the London Planning requirement of 10%.

advice

Grants available for renewable energy systems and the cost of these systems.

zero carbon development

Advise how the development could become this and design the associated services infrastructure and assess the required extra capital cost.

low energy design solutions

We have the knowledge, the skill and the experience in delivering low energy building services design solutions on various types of buildings.

natural ventilation solutions

Working with the architect we can engineer a minimal services low energy solution by introducing natural ventilation solutions.

modelling expertise

Proves our low energy designs in terms of summertime temperatures and air flow patterns.

Our specialist teams work closely with architects and environmental input teams to offer fully co-ordinated solutions.

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EOS - Greece

An aspirational 'zero carbon' luxury development of three hotels 5000 villas and three golf courses.

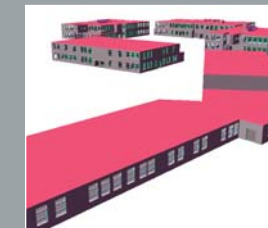


City of Rome - HQ

Low energy design of the building using thermal mass mixed mode ventilation and chilled beams. 30-40% energy improvement over standard buildings.

Westminster Schools - BSF

Thermal modelling of three schools to provide energy prediction 20% below benchmarks, using mechanically ventilated solutions.



Nottingham Schools BSF

Dynamic modelling of three schools to demonstrate natural ventilation solutions maintaining temperature and fresh air requirement.

Ilac Shopping Centre

Dynamic modelling of facility resulting in low energy skills using solar water heating and ground source heat pumps.

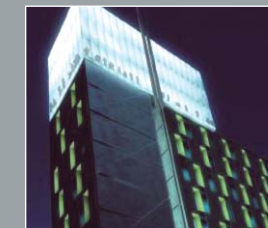
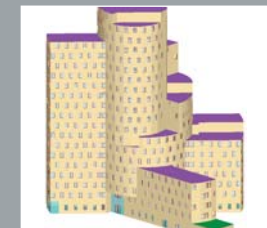


Unite - Framework

Sustainability achieved at their student accommodation to achieve 20% renewable energy and 'excellent' BREEAM rating.

Victoria Halls

A comprehensive investigation into the existing surroundings and environment was completed, and measures intended to improve the sustainability credentials of the development added on the advice of Capita Symonds.



East Road, London

Energy modelling to achieve 20% renewables and an excellent BREEAM rating for mixed use accommodation.

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