

one of the services provided from our Bristol office

structural engineering

A complete structural engineering service from
conceptual stage to detailed design and construction
on site within all sectors of the construction industry.



Structural Engineering is the science and art of designing and making, with economy and elegance, buildings, bridges, frameworks and other similar structures, so that they can safely resist the forces to which they may be subjected.

We offer a wealth of experience in structural engineering in both the public and private sectors, with a commitment to delivering a quality service within budget and to programme. Our professional services include the design, detailing and site supervision of projects including specialist advice on innovative designs, sustainability and security measures.

We work closely with the client and design team and have experience of traditional, Design & Build, Develop & Construct and PFI contracts as well as Framework Agreements.

- commercial and mixed developments
- defence projects
- education projects
- quality audits and peer reviews
- refurbishment of existing buildings
- residential - public and private sector housing
- retail developments
- security measures
- sports facilities
- structural investigations

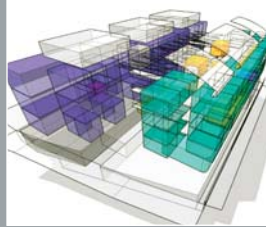
CAPITA SYMONDS

successful people, projects and performance

Education Development for the University of Bristol

Biological Sciences - Mathematics Project

The innovative design of new laboratories, lecture and research facilities. The landmark building is to be constructed on a steeply sloping brownfield city centre site. Construction value £55m.



Commercial and Residential Development

Elgin House, Cardiff - Imperial Properties Ltd

The design of two residential blocks of 7 and 9 storeys height on a brownfield city centre site surrounded by adjoining properties. Other challenges included designing for contaminated land, very high ground water conditions and the sloping site. Construction value £5m.

Bristol Schools Building for the Future

Clients representative to undertake peer review and quality audit including inspection of works on site for four new schools in Bristol. The works are being completed under a PFI initiative, delivering high quality educational facilities to budget and programme. Construction value £80m.



Retail development Chippenham

The design of three retail warehouse units and restaurant for an out of town retail park. Engineering challenges included contaminated land, surface water drainage and adjoining features. Purchasers included B&Q, Currys, Carpetright and Pizza Hut. Total construction value £10m.

Bristol Laboratory for Advanced Dynamic Engineering

University of Bristol

New build comprising the structural dynamic and earthquake laboratories, research offices and link buildings together with refurbishment to form laboratories and workshops. The innovative design made the building structure an integral part of the test equipment. Construction value £11m.



Sports Facility

Consultancy for blast resistance to glazing and counter terrorism measures advice for redevelopment of world famous international sports facility. Specified measures for protection of public, visitors and staff. Included review of risk and threat assessment.

Secure Data Centre

Design included assessment of existing hardened structures for suitability for modification. Design and specification of blast resistant buildings and gate house, design of 'clean room' server room and emergency control centre.



Student Residencies Tremough Campus

Combined Universities of Cornwall

Design of 300 residencies and facilities on a steeply sloping filled site, including the design of SuDs. Major cost savings were achieved through innovative foundation design. Through a detailed MOSS analysis, the materials required to create a sports amphitheatre were made to balance the excavated arisings. Construction value £11m.

Other project experience includes the design of office buildings; industrial projects include printing press halls and waste transfer stations; significant projects of up to £50m for the MoD and residential projects for major developers.

Please contact:

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