





## ABOUT US....

Established in 1966, Knapp Hicks provide Consulting Engineering Services in Structural and Civil Engineering and other specialist areas such as Geotechnics and Materials Consultancy.

Based in London, South East, Midlands and the North of England, the practice is involved in a range of projects throughout the UK and has earned an enviable reputation for providing quality service and professional commitment to many and varied clients.

From feasibility studies, structural appraisals, through site investigation, design and construction supervision, to delivering projects on time and in budget, our comprehensive service is tailored to meet the exacting demands of client's requirements.

Our technical and professional work force comprises of over 50 staff, and all our senior personnel have at least twenty years' experience in their specialist chosen field.

## OUR BUSINESS APPROACH....

We share our client's ambitions and are focused, hardworking and enthusiastic about every project that we undertake, large or small, believing that in the long term we have most to gain by sharing in our client's future success. With a truly multi-disciplinary approach, we can therefore offer clients a complete and flexible package to suite all types of building structures and construction, and offer a fast accurate and cost effective service.



## OUR SERVICES INCLUDE....

**CIVIL ENGINEERING SERVICES** - From pre-purchase appraisals and technical advice to full detailed design of major infrastructure schemes, Knapp Hicks & Partners Civil Engineering provide a diverse range of design solutions tailored to meet all our clients' requirements.

**NEW HOUSING**– Knapp Hicks are experts within housing, and have worked on an array of sizable residential projects for developers and individual schemes for private clients; all requiring our knowledge and advice in structural design and other related fields of expertise. Full drawings and calculations can be provided, or an abbreviated service to complement internal design services.

**PARTY WALL ADVICE**– Knapp Hicks can advise on the technical implications of Party Wall works, and can assist those acting on behalf of the building owner or adjoining owner as appropriate.

**COMMERCIAL DESIGN**– Knapp Hicks have a wealth of experience of commercial design. Adept at working with large contracting organisations, whether it is a 'design and build' or 'management contracting' basis, Knapp Hicks prides itself on ensuring the efficient execution of a project.

**FEASIBILITY SERVICES**– Preparation of detailed Feasibility Studies, Knapp Hicks's past projects have included housing refurbishment schemes, commercial and industrial developments.

**DOMESTIC ALTERATIONS & REPAIRS** - Advice on alterations; including extensions, loft conversions and removal of load bearing walls. Knapp Hicks provide full structural calculations & drawings for building regulation purposes.

**REFURBISHMENT** – Alterations to existing parts of a building in conjunction with an extension or general modernisation. Knapp Hicks prides itself on our specialist knowledge regarding sympathetic restoration or repair of buildings of historic interest.

**STRUCTURAL ENGINEERING REPORTS**– Specialist advise on the structural integrity of the whole or part of a building, by way of a detailed report.





## OUR SERVICES INCLUDE (CONTINUED)....

**PRINCIPAL DESIGNER**– Knapp Hicks can act as Principal Designer on small to medium sized projects, particularly where there is a strong structural bias. We offer full management, and will advise clients and architects of their duties and requirements.

**ENVIRONMENTAL SERVICES**– Knapp Hicks can offer a full range of Environmental Services which include: Geo-Environmental Site Reports, Desk Studies, Basement Impact Assessments, Ground Reports and Discharging Planning Conditions.

**SURVEYING SERVICES**– Knapp Hicks offer a wide variety of Surveying Services. These include full project management, condition surveys, specifications, diagnostic inspections and schedules of work.

**ASBESTOS CONSULTANCY**– Knapp Hicks's sister company 'KH Asbestos Investigations Ltd' are a leading provider of Asbestos Services. From independent surveys and investigations, to consultancy advice and training; KH Asbestos Investigations offer expert advice on all Asbestos related matters.

**SUBSIDENCE ADVICE**– Knapp Hicks are approved by the majority of UK insurance and loss adjusters, and we will carry out a range of services which include:

- Initial Inspection and Report
- Investigation & Site Testing
- Supervision of Repair Work



## RESIDENTIAL PROJECTS....

Knapp Hicks advise house builders and developers on projects from inception to completion on all aspects of the project. From acquisition and planning through to construction stage we work closely with the client and Architect to provide cost effective value engineering design to each project.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request.



Lathams Yard  
Medium rise RC framed apartment block:  
Client: Taylor Wimpey NT

Bramley Crescent:  
Medium rise RC framed apartment block with provision of ground floor parking.  
Client: Taylor Wimpey EL

Epping College:  
Structural and civil design of low rise private and social housing scheme for 269 units.  
Client: Redrow Homes Limited

Prebend Street:  
Design of substructure and RC transfer/podium deck to support medium rise timber framed apartment block.  
Client: Taylor Wimpey

Ashford Barracks:  
1200 unit site with phased development up to 2011, including 4 storey residential blocks, low rise housing and provision of commercial units.  
Client: Persimmon Homes/Taylor Wimpey SE

Chalcots Estate, Camden:  
Five 22 storey façade upgrade using proprietary cladding system to overclad existing 1960 concrete frames of a 1200 unit site. Phased development included 4 storey residential blocks, low rise housing and provision of commercial units.  
Client: Rydon Construction/Camden



## HOUSING ASSOCIATION PROJECTS....

Knapp Hicks have extensive experience in the design of mixed use developments, incorporating commercial space with residential apartments. We are often engaged by private developers, housing associations or contractors on a design and build basis.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request.



### Re-Development of University of East London Site:

Provision of full civil, structural and geo-environmental services in connection with this 1000+ unit mixed development scheme in Barking & Dagenham for Taylor Wimpey EL and London & Quadrant HA, including reinforced concrete framed structures up to 10 storeys and provision of below ground car parking areas.

Client: Taylor Wimpey

### Arundel Square, London:

Provision of full civil, structural and geo-environmental services in connection with this six storey reinforced concrete framed residential block of apartments, with two storey basement for United House and Mosaic HA. Development was built over existing London Underground tunnels and in very close proximity to Channel Tunnel Link tunnels, requiring detailed assessment of vibration effects.

Client: United House Limited

### Wharf Road, London:

Design and detail ten storey mixed use development for United House, including private apartments, social housing provision, ground floor commercial space, restaurants and basement car parking.

Client: United House Limited

### Stanhope Regeneration Project, Ashford, Kent:

Social housing regeneration scheme for 400+ low rise residential units for Denne Construction, Moat HA and Ashford Borough Council, including new community centre, library & commercial units

Client: Denne Construction Limited

## COMMERCIAL, RETAIL & INDUSTRIAL PROJECTS....

Knapp Hicks have extensive experience in this area, and have brought innovation and cost savings to numerous projects for a wide range of clients.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request.



### Eclipse Business Park, Units 1 & 2:

Five storey high quality office accommodation comprising two linked buildings (1730m<sup>2</sup> and 1440m<sup>2</sup>) with fully glazed offices at roof level together with open roof garden facility & all over basement car-parking. External hardstandings also provided car-parking for up to 100 spaces.

### Eclipse Business Park, Unit 3:

Four storey building providing over 1000m<sup>2</sup> of high quality office accommodation, with fully glazed office/meeting room facility at roof level. External hardstandings provided car-parking for the office block.

### Shearway Business Park:

Shearway Business Park comprises 2 single storey portal framed commercial units (1100m<sup>2</sup> and 520m<sup>2</sup>) together with 6870m<sup>2</sup> of external hardstandings for retail purposes.

### Kingsway Shopping Centre:

The refurbishment of the main shopping centre complex in Newport, South Wales. The project included upgrading of the roof, major alterations to individual units together with a new multi-storey car park.

### Shepherds Bush Shopping Centre, W12:

West 12 involved the refurbishment of the Concord Shopping Centre in Shepherds Bush, London. The project included building a steel framed bridge over the existing car park in one span carrying a 12 screen cinema complex. This involved 1500 tonnes of steelwork & the project was completed without ever shutting the shopping centre.



## EDUCATION PROJECTS....

Knapp Hicks have extensive experience in the design of educational facilities in both the public and private sectors, and have been appointed as structural engineers on over 140 such developments in the last 10 years.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request.



### Kemnal College, Chislehurst:

New build project consisting of a two storey concrete framed structure, designed in keeping with the existing Listed Buildings already located on the site; accommodating additional classrooms and teaching facilities.

### Paddock School, Wandsworth:

Widespread structural refurbishment of existing school, incorporating many internal structural alterations to accommodate current accessibility requirements.

### Coopers School, Chislehurst, Kent:

Knapp Hicks and Partners are currently retained as consultant engineers for Coopers School, having successfully delivered numerous projects for them over a number of years including a new portal framed sports hall, a medium rise teaching block, a new science laboratory, and a steel framed building containing six GTA classrooms.

### Wind In the Willows Nursery Schools:

Knapp Hicks and Partners were retained by Wind in the Willows Ltd as consultant engineers to assist with a national roll out programme for new nursery buildings, under the government initiative, to provide additional nursery school places.

### West Thames College, London:

We have carried out various projects on the West Thames College campus, including the design of a new roadway through the college, with associated retaining walls and civil engineering works. We have also designed the structural alterations and new atrium roof associated with refurbishment of an existing classroom block, as well the structural support of new plant and equipment.

In addition to the above we have provided engineering services for many other schools, colleges and universities, and client references can be provided upon request.



## HISTORICAL PROJECTS....

Knapp Hicks have established an enviable reputation for the treatment of historic structures and have a wealth of experience within this sector. Knapp Hicks use design methods and innovative structural techniques to ensure structural restorations that are sympathetic, unobtrusive and preserves the future of the building.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request:



### The Old Library, Leamington Spa:

Originally built in 1901, The Old Library has been restored to its former glory providing a series of luxury apartments. Knapp Hicks provided a range of structural design services for increased floor levels, a new roof design, reinforced concrete walls for new light wells and structural repairs. The Old Library project has recently won the prestigious 'Architects Journal - Retrofit Award' for its blend of original features and modern interior design.

### The Queens House, National Maritime Museum:

Initially commissioned in 1616 by Anne of Denmark, and structurally completed in 1635, the house was used for various Royal purposes throughout the 18<sup>th</sup> Century. The Queens House was taken over by the National Maritime Museum in 1934, and has undergone numerous restorations. Knapp Hicks were proudly appointed to provide structural design services and assessments for the existing external terrace.

### Baltic Exchange Memorial Glass, National Maritime Museum:

Commissioned shortly after the First World War, these windows were part of a memorial for members of the Baltic Exchange who lost their lives during the War. In 1992 a bomb exploded outside the Baltic Exchange causing severe damage to the stained glass. The impressive half-dome has now been restored and is on display at the National Maritime Museum. Knapp Hicks were appointed to provide full structural design services for the domes curving frame which houses the stained glass windows.

## HEALTHCARE SECTOR PROJECTS....

Knapp Hicks have extensive experience in the healthcare sector. We are often engaged with numerous developers and contractors and have been involved in a variety of projects.

Recent and relevant examples of our work are as follows, however, many others can be provided upon request.



Knapp Hicks were appointed by Balfour Beatty Construction and working in close association with the design team, developed the structural designs for the following new build PFI projects, as part of the East London and City LIFT scheme:

- *Church Road Surgery*
- *Barking Road Surgery*
- *Vicarage Road Primary Care Centre*
- *The Barkantine Practice*
- *East Ham Care Centre*

### Salisbury Hospital:

Knapp Hicks were retained by the local trust to develop the clients brief, prepare the preliminary designs for the new hospital and oversee the design and build project.

Client: Salisbury Healthcare Trust

### Bristol and Avon District Hospital:

In conjunction with hospital trust and selected contractors KHP provided full structural engineering design services for this major refurbishment and new build PFI project.

Client: Bristol and Avon Healthcare Trust

### Stonehouse Reprovision:

Provision of full civil, structural and geo-environmental services in connection with this PFI new build mental health care hospital facility.

Client: HG Construction Limited

### Whipps Cross Hospital:

Development of a major refurbishment scheme to include construction of new hospital wing.

Client: Hunter and Partners





**Contact Us:**

Laval House  
Great West Quarter  
Great West Road  
Brentford  
Middlesex  
TW8 0GL  
Tel: 020 8232 1888

Prospect House  
1 Highpoint Business Village  
Henwood  
Ashford  
Kent  
TN24 8DH  
Tel: 01233 502255

Prospect House  
Suite 10, Swan Business  
Centre  
1 Swan Park, Kettlebrooke  
Road  
Tamworth, Staffordshire  
B77 1AG  
Tel: 01827 307691

Prospect House  
24 Prospect Road  
Ossett  
West Yorkshire  
WF5 8AE  
Tel: 01924 269785

E-mail: [akuske@knapphicks.co.uk](mailto:akuske@knapphicks.co.uk)  
Web: [www.knapphicks.co.uk](http://www.knapphicks.co.uk)