



COMPLETE DESIGN
PARTNERSHIP LTD

CONSULTING CIVIL &
STRUCTURAL ENGINEERS

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TEL: +44(0) 1527 832307
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email: admin@cdpbroms.co.uk

CHARFORD LODGE
ROCK HILL
BROMSGROVE
WORCS B61 7LH

John W Blackhall CEng MIStructE MICE MCIHT FIMS



Previous employment

1975-1981 John Laing Construction Ltd
1981-1988 Thermalite Ltd
1998-1990 Brazier Holt & Partners
1990-1994 Latter Ramsay Partnership
1994 – To date formed CDP Ltd Director

Professional Associations

Chartered Engineer CEng
Member of the Institution of Structural Engineers
Member of the Institution of Civil Engineers
Member of the Institution of Highway Technicians
Fellow of the International Masonry Society

Formed Complete Design Partnership

January 1994

Qualifications

HNC Civil Engineering

Profile

John is a Chartered Engineer with over 30 years experience in civil and structural engineering projects in the UK and abroad. Prior to forming the company he gained experience from extensive site work as an Engineer on a variety of projects from low rise steel framed and masonry constructions through to multi storey reinforced concrete structures, including inner city highway construction and ground engineering. Following this period his knowledge base was further advanced when specialising in masonry design including research and development in aerated concrete, covering the UK and Europe which included carrying out work for the DoF/MOD. Moving on from there into consultancy his involvement was extended to surveys/inspections, site appraisal, conceptual design and moving on to the production of adequate design and detail to allow developments to be economically and safely constructed. Positions of responsibility increased from Engineer to Associate then finally as a Partner prior to setting up CDP Ltd. in 1994. Over the last ten years his involvement has been more focused on site appraisals for ground and water engineering and the associated areas of contamination, their assessment and formulating a remedial strategy to allow for safe, economic construction and long term benefit of the environment.

His key skills are:

- Setting up and developing a consulting engineers practice and supporting 16 staff, together with encompassing all the requirements to develop and run that business.
- Economic site appraisals including assessment of abnormal costs for ground engineering.
- General knowledge of a variety of forms of construction, including ground engineering and their economic usage.
- Experience and knowledge of all forms and types of construction materials, i.e. concrete, steel, timber, masonry, SUDS, and highways.
- Understanding of manufacturing and production line processes and relating those to form/assist in the generation of bespoke manufacturing plants together with interfaces between disciplines, here and abroad.
- The ability to direct and produce the relevant economic design information for a variety of projects both here and abroad.
- International Experience



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The following information is a summary of some of the work that John has personally been involved with, and more details are provided in the practice profile:-

Projects-

Commercial developments

A number of 30,000 to 100,000 sq ft multi storey office developments around the Midlands which included all the related external works and highway elements together with a significant number of 200,000 to 500,000 sq ft commercial shed developments throughout the UK.

Centrica – Oldbury Birmingham 110,000sq ft, four storey offices and call centre, with large atrium core, including diversion of primary FW and SW sewers and construction of swales etc.

Avonmouth - New Coop 500,000sq ft distribution centre with a fully suspended high bay warehouse reinforced concrete ground floor adjacent to the Severn estuary.

Redd 42 - 350,000sq ft high bay distribution building Redditch West Midlands, which included cutting and controlled filling 25,000 cubic meters of clay to form the construction platform.,

Redland House Bristol – New 75,000 sq ft seven storey corporate HQ for Simply Health constructed off an existing R/C podium base and underground car park

TUI Ltd Luton, multi million pound refurbishment and conversion of a five storey framed/pre cast panelled building including formation of new enclosed glazed atrium off the existing structure.

Coventry Road – new first floor 100,000sq ft retail area for Morrison's, with ancillary retail and undercroft car parking including off site highway access works to the A45 including traffic lights etc.

Civil Engineering & Highway works

Wolverhampton Road and Oldbury Island, M5 Jn 2, highway upgrading including signalisation in conjunction with the HA and Sandwell DC.

Highway 1 vehicle and pedestrian underpass and road realignment –Sandy Lane, Bridgetown Barbados, West Indies

2 No 15m span highway bridges with fixed reinforced masonry abutments designed for hurricane forces – Royal Westmoreland, St James, Barbados, West Indies.

Plot 1 Royal West Moreland, Highway design including storm water harvesting and grey water re use for irrigation for a 140 luxury villa development including amenity area and swimming pool , St James Barbados.

Man Made Lake – 50,000 cubic meter storage capacity with 25,000 cubic meters AOD, having a 300m clay core dam to the southern boundary, Henley In Arden, Warwickshire

Sherborne Wharf, Birmingham design and construction of a new 14 dock canal basin as part of a development and linking into the current waterways. All work carried in conjunction with British waterways.



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Production/manufacturing facilities

John's involvement over the last 20 years with production manufacturing facilities started with can handling and the associated products to this industry; to that end he has a good understanding of manufacturing facilities/production lines and the importance of the interface of mechanical and electrical elements, together with the clients' requirement to produce their product economically and efficiently. To accommodate this, the majority of the buildings are circa 500,000sq ft with eaves at 10 to 12m and minimal disruption to the floor area with intrusive structure. This has led to carefully reviewing the base structure to accommodate and support a large majority of the production line from that structure.

To enable a visual aid to both design and integration of all elements we have moved to full 3D modelling so that interfaces can be checked and adjusted. John has developed a service which includes, where required full fabrication design and detailing to allow supply of the primary structure to accommodate the production line so as to reduce interpretation anomalies in other countries. This work has included liaison with all parties and clients and below is listed the most recent areas that this work has been carried out for a number of Clients.

Jeddah Saudi Arabia
Foshan and Chengdu China
Madrid, Saville and Valencia, Spain
Aprilia Italy
Nancy and Chatillon sur Seine, France
Goleniow Poland
Leicester, Carlisle and Droitwich, UK

Again this work has involved a variety of specialist disciplines including and understanding of soil types, usage, drainage and irrigation. The work primarily is of a civil nature with ground engineering and providing a suitable infrastructure for grass, in the form of primary, secondary and tertiary drainage, together with a balanced soil to accommodate this. Secondly to provide a system that can support and sustain this in the form of irrigation this does include rain water harvesting.

The projects most recent projects that have included both new club house facilities and a variety of playing surfaces for cricket, football and rugby are:-

Broadstreet RFC Coventry, new club house and grounds including full ground engineering and forming of three primary pitches and eleven secondary pitches on reclaimed farm land, with full drainage, rain water harvesting and pop up irrigation systems.

Lion Farm Sports Centre Sandwell, new club house and sports ground including crown green bowling, cricket and soccer pitches.

Bromsgrove RFC, Bromsgrove, new drainage and irrigation system to support both the 1st XV and training pitch.

Land reclamation and remediation works

An Extensive working knowledge with regards to historic mining and associated works including brown field reclamation, development. which is due to our long term involvement with projects throughout the Black Country, Stafford and Stoke.

Signed

J W Blackhall