

Keith Pawson



Qualifications

1973: Member of the Institution of Civil Engineers

1973: Chartered Engineer

1973: Member of the Institution of Municipal Engineers

1986: Fellow of the British Institute of Management

1999: Registered Environmental Auditor

- 1974-1984
ASCO Zambia, Managing Director (Zambia, Zimbabwe)
- 1973-1974
William Townsons & Co Ltd, Chief Engineer
- 1972-1973
Crosby Borough Council, Senior Engineer
- 1970-1972
Skelmersdale Development Corporation, Civil Engineer
- 1965-1970
Sir Robert Lloyd & Co Ltd, Assistant Engineer

Profile

A Civil Engineer with considerable experience over a broad spectrum of engineering. He has a particular focus on master planning and infrastructure engineering for development projects and has led multi-disciplinary teams on projects in Africa, the Middle East and Europe from feasibility and planning stages to completion of construction.

He has managed international companies and led teams of up to 150 professionals as well as being involved in the training of engineers towards their Professional Reviews.

He has served on advisory boards for contractual matters and international development and has undertaken a number of expert witness appointments including giving evidence in the High Court.

Key Experience

- 2013-present
Global Infrastructure Consultants Limited, Director
- 1987-2013
Capita Symonds Ltd, Associate Director
- 1984-1986
ASCO Qatar, Managing Director (Qatar, Abu Dhabi)

Project Experience

Sittingbourne

Master planning and detailed design and supervision of construction of a 50ha mixed used site involving flood protection and control, swales, wetlands, highways and services.

Aso Hills, Abuja, Nigeria

Master planning and design of a high quality development in the hills near Abuja. All the infrastructure was designed including ground profiling, roads, drainage and treatment and utility supplies with a value exceeding £100 million.

Lagos, Nigeria

Master planning and detailed design of a headquarters complex involving multi storey offices and residences and all services including water and sewage treatment.

Eket, Nigeria

Master planning and preliminary design of a major extension to an oil terminal involving new offices, roads, treatment works and drainage canals.

Alimosho, Nigeria

Master planning of the infrastructure for a site which will cater for the residential and commercial needs for 4.5 million people.

Port Harcourt, Nigeria

Providing advise to the client on the design and construction of the first mono rail system in Nigeria.

Eos, Greece

Master planning and preliminary engineering design for a development of 5000 houses and three luxury hotels and golf courses in the mountains north of Athens.

Derriford Hospital

Development and refurbishment of the largest non-teaching hospital in Europe. New diagnostics and teaching facilities are being introduced and Capita Symonds advised on civil and structural works. Infrastructure works included roads and drainage, a bridge, car parks and services provisions.

Darenth Valley Hospital

Design of a new hospital in Kent involving extensive car parking, major accesses and services and a helicopter landing pad.

Parkside Health Trust

Development of five hospital sites in West London. The works included demolition, refurbishment and new build and the projects have been taken from initial inception and masterplanning through to detailed design and construction. Particular attention has been given to the sensitivity of the developments as three of them are in Conservation areas and two are listed buildings.

Shenley

This site was the first of the Victorian Mental Hospitals to be given planning approval for redevelopment as a new village in the green belt area in north London. Work undertaken consisted of masterplanning followed by detailed design and construction. Construction was undertaken in four phases during which time parts of the hospital remained operational and parts were progressively demolished.

Water Pavilions, Cambridgeshire

Feasibility study and Environmental Assessment for the development of a site consisting of a water park, conference centre, hotels and shopping arcades.

Adanac Park, Southampton

Feasibility study and detailed design of the infrastructure of a site for residential and business development, including a hotel and extensive flood control measures.

East Grinstead, West Sussex

Pre-planning input into the engineering and environmental aspects of a site for 2500 houses with employment and neighbourhood facilities. Includes masterplanning and preliminary design of over 10km of relief road through environmentally sensitive countryside.

Churchill Hospital, Oxford
Feasibility study, detailed design and construction of the main drainage of the hospital and a new main entrance approach and 800 space car park with attenuation ponds.

Great Ormond Street Hospital
Detailed design of the internal and external drainage for the new hospital and the decanting works.

British Alcan
Feasibility study and environmental assessment for the development of an industrial estate.

St Charles Hospital
Engineering masterplanning and detailed design for the extension and redevelopment of a central London hospital.

Buraimi Sewerage Scheme, Oman
Detailed design of foul sewerage scheme including pumping stations and sewage treatment works to 10:10 standard for a population of 35,000.

Grand Mosque, Oman
Design of roads, car parking, drainage and sewage treatment for a mosque with a capacity of 20,000 people.

Test Valley Business Park
Design of infrastructure and structures for a light industrial business park.

Greenham Common
Employment as expert witness concerning overland water flow from the runways and consequent flooding and building damage.

The water Industry in England and Wales
Report on the general organisation and legislation of the industry with specific details on automation, control and telemetry systems.

Doha, Qatar
Design and construction of the water distribution system for the capital city of Qatar. The work involved the distribution of water from the desalination plants to all areas of Doha and

incorporated major storage reservoirs and water towers.

Qatar Rising Water Table Study
The report identified and quantified the causes of the rising water table and considered methods of lowering the groundwater. Disposal of the extracted water was studied, based on its reuse after treatment, for irrigation or for recharge of the lower Umm-er- Rhaduma aquifer.

Doha Leak Detection Programme
A number of reports were produced relating to the wastage of potable water and the means to be adopted to decrease waste by detection, education and refurbishment. Pilot studies were undertaken and full scale detection implemented.

Al Kohr Marine World, Qatar
Development from feasibility to detailed design of an aquarium and museum complex, which included dolphinarium with display pool, shark pool with underwater viewing galleries, water gardens and extensive irrigated leisure area.

Ministry of Defence Projects, Qatar
Provision of water supply, sewerage and irrigation to a number of army bases.

Northern Provinces, Zambia
Feasibility studies, highway drainage designs and construction of 570km of Class 1 roads and the design and supervision of five major river bridges, as well as a crossing of the Zambezi flood plain.

Luanshya, Zambia
Design of a 20 Mld sewage treatment works.

Livingstone, Zambia
Design and construction of a 20 Mld extension to the existing water treatment works, including a new raw water intake on the Zambezi River.

Ndola, Zambia
Design of a 100 Mld sewage treatment works.

Second National Development Plan, Zambia
Master planning and design of the infrastructure of two towns and one city, catering for a population of 450,000. Supervision of construction of the first phases of the roads, services, treatment works and drainage canals.

Nigeria roads
Design of over 300km of surfaced roads in northern Nigeria, including multi span river bridges.

Tanzania Gold Mines
Study to assess the rehabilitation of mines and services throughout Tanzania.

Birkenhead, Merseyside
Chief engineer on the construction of a new town centre.

Upton, Wirral
Senior engineer on the construction of 4No Multi-story flats.

Walton, Liverpool
Engineer on the construction of a major new hospital extension.

Skelmersdale
Design of distributor and access roads and drainage for a new town which was the first of the New Town Developments in England.

Crosby Borough Council.
Design and supervision of trunk sewers.