

Position : Technical Director
Profession : Structural Engineer
Nationality : British
Date of Birth : 1960



PROFESSIONAL QUALIFICATIONS

Bachelor of Science in Civil Engineering

Structural Analysis
Design (principally steel and reinforced concrete)
Geotechnics (soil mechanics)
Construction Management
Fluid Mechanics.

EXPERIENCE RECORD

2008 to date PGCS Partnership – Technical Director

Responsible for temporary works department. Project experience includes:

- Tablox Site Thurrock. Temporary stability of retained building whilst demolition of rest.
- Piercy House City of London. Stability to basement retaining walls.
- Farringdon Station. Enabling works for £500m. Cross Rail Link. Propping of retained 6m high façade including pile and thrust block design. Scaffold crash duct and demolition scaffolding. Propping of existing brick arches for heavy loading.
- 13 Upper Phillimore Gardens. Needle shoring, curved formwork design, cantilevered scaffold design, ground/earth retention scheme.
- Finzels Reach Bristol. Sheet pile propping and thrust block design checks in very poor ground conditions. Raking shores to retained building shell.

2002 to '08 Contractor Design services – Senior Engineer then Director.

Responsible for project designs. Projects include:

- Main designers for national sheet piling contractors Fussey Piling and Giken Europe, design of cofferdams loading piles, specialist Zero piles, including all required propping for both temporary and permanent design.
- Hartley Jam Factory Redevelopment London E1. Temporary works for 9.5m deep excavation 35m x 75m on plan.



- Harley Street. Grade II listed façade retention scheme, including piled foundations, kingpost and contiguous piled walls, flying shores and demolition sequence.

Other typical design includes:

- Floor loading capacity, check for demolition plant loading pile mat design.
- Tower crane base design (piled and mass). Needle shoring (including pynford beams) and scaffold design.

Historic Renovations

- Temporary works design for Kings Parade redevelopment in Oxford. Support and bracing to historic 13th and 14th century buildings.

Part 2002 Renewable Energy Systems – Clerk of Works

Responsible for contract supervision of a large project.

1996 to '02 Career break.

Working at home whilst wife resumed University studies.

1994 to '96 Sir Robert McAlpine Ltd – Senior Engineer

Responsible for design and management to New British Library comprising:

- Phase 2: £5m reinforced concrete frame. Duties include : Preparation of reports for executive committee, client and professional team, liaison, formulation and presentation of the working programme, preparation of material call-off schedules and temporary works coordinator.
- Phase 3: £50m joint venture to complete the structure. Duties include Control of 20 plus subcontractors with 10 engineers/works staff, to report and attend progress, technical and quality meetings with the client representative, pre and post tender interviews of subcontractors, briefing of site quantity surveyors for work package splits and advising of cost savings/liabilities.

1993 to '94 Sir Robert McAlpine Ltd – Chief Engineer.

Responsible for Prudential H Q management contractor circa £150m. Duties include : Preparation and monitoring of working programme, progress reports and overseeing day to day activities on site.

1992 to '93 Sir Robert McAlpine Ltd – Site Agent



Responsible for new office building at 1 Love Lane London. Circa £3m. Duties include : To plan, organise and execute the work and taking account of client requirements. Assist regional manage in preparation of "main contract" claim and evaluation of subcontractor's claims.

1982 to '92 Sir Robert McAlpine Ltd – Various rolls.

Duties include:

- Two years in Temporary Works Department designing projects, including cofferdams, earth retention, sheet piled walls, propping and demolition schemes, façade retention, specialist scaffolding, tower crane base design and falsework.
- A period within the Tendering Department working on estimating, planning and programming.
- Remainder of the time spent on site at projects, including County Hall, Butlers Wharf and the National Heart Hospital as Project Manage, Deputy Project manage or Chief Engineer.