



RBT Solutions LLP

Professional Consultancy Services

Name : David Ratcliffe

Present Position : Consulting Engineer

Qualifications : BSc (Eng) (1st Class Honours) – Imperial College
Chartered Engineer
Member of the Institution of Civil Engineers
Member of the Institution of Structural Engineers
Member of the Association for Project Safety
NEBOSH Certificate in Construction Health and Safety
Basic Tower Climber

Employment History: 2005 to Present – RBT Solutions LLP
1999 to 2005 – Capita Group Plc
(Capita Symonds and Roscoe Capita)
1987 to 1999 – Edward Roscoe Associates
1984 to 1987 – Jacobs Babbie (Allott & Lomax)
1980 to 1984 – Atkins

Sectors of expertise: Telecommunications
Waste Management/Composting
Power Generation
Nuclear Processing
Commercial Structures
Survey/Due Diligence study of investment proposals
Health and Safety
Structural surveying
Lattice Tower Structures

Professional Capabilities: Project Management
Contract Administration
Structural Engineering Design
Civil Engineering Design
Design Standards and Specifications
CDM Co-ordinator
Health and Safety Standards
Construction Management
Surveying/auditing
Procurement/Supply Chain Management

Key Experience: Design of complex structures in the Power and Industrial sectors

Site supervision of major construction works (40,000 tonne structural steelwork contract for Drax Power Station)

Design of buildings in all materials for the office, retail, and distribution sectors

Structural survey of domestic and commercial properties. Due diligence reports for insurance and investment purposes

Design of telecommunication structures for mobile operators

Development of a sector focused business unit from £30K annual turnover to £8 Million annual turnover, including a network of Regional UK offices to provide a national service to customers, and a European business with projects in 5 countries outside the UK.

Secondment to customers for special projects and initiatives.

Project Management of 3G rollout and microwave installation projects.

Contract Administration of a range of projects in the waste composting, commercial construction, and telecommunication sectors.

Recent Projects:

Network Rail (GSM-R Project) – Design of radio sites in a rail environment, including Network Rail processes and approval procedures. Acting as Design Checker/Authority.

Vodafone – Special Projects including contractor auditing, production of Standard/Procedures, product assessment, and process analysis. Health and Safety advice, and development of a project to re-build Health and Safety Files.

Vodafone – Quality audit of Designer's feasibility reports, construction drawings, design documentation, and risk assessments.

Mason Communications – Project Management of 3G Rollout for Vodafone, including supplier management, build co-ordination, power procurement, design management, health and safety management, and acting as Planning Supervisor.

Mason Communications – Project Management of the Turnkey procurement of microwave links for Nokia Siemens Networks, involving Line of Sight, Acquisition, Design, Construction, and I&C. Innovative process and procedures were introduced to reduce project timescales.

Mason Communications – Due diligence audits of a major site infrastructure provider's site assets.

Mason Communications – Benchmark study of design and construction costs for a major site infrastructure provider.

Mason Communications – Site audit of I&C works for a microwave network, including tower climbing to allow detailed inspection.

TEG Environmental - Todmorden Composting Plant – Contract Administrator and Planning Supervisor/CDM Co-ordinator for the construction of a new industrial scale composting plant. The project involved the demolition of existing buildings, new foundations in difficult ground conditions, retaining walls, ground floor slab, steel frame/cladding, and building fit-out.

TEG Environmental – Design of winch bases and foundations for the material unloader.

TEG Environmental – Establishment of new project processes to ensure compliance with the CDM Regulations 2007. Production of documentation and flow charts.

TEG Environmental – Gwynedd – Production of Contract Documentation (NEC Contract) for IVC plant.

TEG Environmental – GMWDA – CDM support, and production of DEHAT document, for multi location IVC plants.

North West Property Consulting – Feasibility study and planning design for new multi-operator telecoms installation.

Mason Communications – Secondment to Central Networks to act as Project Management for implementation of new microwave radio project.