

CURRICULUM VITAE - Roy Pickavance

Name: Antony Roydan Pickavance
Qualifications: BSc, FRICS, FCIQB, FCIArb
Date of Birth: 22 June 1946
Nationality: British
Position: Director
Marital Status: Married



Qualifications: Fellow of the Royal Institution of Chartered Surveyors (1993)
Fellow of the Chartered Institute of Arbitrators (1993)
Fellow of the Chartered Institute of Building (2003)
Professional Associate of the Chartered Institute of Arbitrators (1979)
Professional Associate of the Royal Institution of Chartered Surveyors (1973)
BSc in Quantity Surveying (1972).
Higher National Certificate in Building (1968)

Adjudication: Panel Member of Royal Institution of Chartered Surveyors (RICS),
Construction Industry Council (CIC), Chartered Institute of Building (CIOB),
Chartered Institute of Arbitrators (CIArb) and Heathrow T5.
Past Chairman of the East Midlands Branch of the Chartered Institute of
Arbitrators.

Expert Witness: Member of RICS expert witness registration scheme, member of Expert
Witness Institute (EWI), member of Society of Expert Witnesses; Listed in Law
Society Directory of Expert Witnesses

Experience - Employment:

2003 to Date Director of DAQS Ltd., Construction Consultants, Quantity Surveyors, Delay Analysts

1994 to 2003 Principal of A. R. Pickavance Ltd. dealing with dispute resolution in the construction industry. Expert witness work and arbitration management support in conjunction with solicitors. Providing in-house training courses to clients and providing pro-active advice to clients on dispute avoidance, claims resistance, claims preparation. Advice on computerised technology and systems in quantum matters, delay analysis and forensic audits. Providing expert evidence in Delay Analysis and Quantum matters.

1994 – 1999 Consultant to TTCS, part of the Turner & Townsend Group

1990 – 1994 Regional Executive for TTCS (1991-94); Self-employed Chartered Quantity Surveyor and expert witness (1990-91).

1977 - 1990 Director of a small construction group in the West Midlands (1988-90); Partner in West Midlands firm of Architects and Quantity Surveyors - Quantity Surveying Partner and expert witness work; Director of a Multi-disciplinary Practice of Architects, Quantity Surveyors and Mechanical and Structural Engineers (1979-88); Senior Lecturer - Quantity Surveying, Professional Practice and Construction Law, Birmingham Polytechnic (1977-86)

1963 - 1977 Senior Quantity Surveyor - Birmingham City Council (1974-77); Senior Quantity Surveyor - National Quantity Surveying Practice - Birmingham (1972-74); Quantity Surveyor - as part of a Sandwich Degree in Quantity Surveying – Multi-disciplinary Practice – Leicester (1971); Quantity Surveyor – Cheshire (1963-68).

Experience - Expert Witness /Expert Advice:

Since 1979 – Appointments as expert witness appertaining to claims for negligence and claims for prolongation, disruption and direct loss and expense, delay analysis and quantum. Instructions received from Employers, Sub-contractors and Main Contractors, Solicitors and Professionals. He is listed on the RICS Expert Witness Registration Scheme.

Experience - Expert Witness/ Expert Advice - Sample appointments

- ❑ Expert witness - Quantum - negligence and defective work claim. School Sports Hall - Building, Roof and Groundworks. Instructed by Employer. Employer against Co-defendants National Contractor, Sub-contractors, Architect, Quantity Surveyor and Engineers. High Court action. Amount of Claim £630,000 (1981)
- ❑ Expert witness - Quantum - Claim for valuation and loss and expense. Coal Power Station automation. Instructed by Main Contractor. Main Contractor against Employer. High Court Action. Amount of claim £14,000,000 (1992 - 1993).
- ❑ Expert witness - Quantum - Claim for negligence. Shopping Centre. Instructed by Quantity Surveyor. Employer against Quantity Surveyor. High Court Action. Amount of claim £620,000 (1993).
- ❑ Expert witness - Quantum - Claim for negligence and defective workmanship. Instructed by Employer. Office block. Employer against Main Contractor and Architects and Engineers. High Court Action. Amount of claim £300,000 (1993 - 1995).
- ❑ Expert witness - Quantum - Claim for negligence, valuation and disruption. Instructed by Main Contractor. Office block. Main Contractor against Architects, Structural Engineers, Services Engineers and Quantity Surveyors. High Court Action. Amount of claim £11,000,000 (1993 - 1995).
- ❑ Expert witness - Quantum - Claim for valuation and disruption and prolongation. Major Civil Engineering railway project. Instructed by Employer. National Main Contractor against Employer. High Court Action. Amount of claim £8,200,000. Amount of Counterclaim £3,500,000 (1994 - 1996)
- ❑ Expert witness - Quantum - Claim for valuation and disruption and VAT. Ground reclamation project. Instructed by reclamation Sub-contractor. Reclamation Sub-contractor against National Homes Contractor. High Court Action. Amount of claim £340,000 (1996 - 1997).
- ❑ Expert witness - Quantum - Claim for valuation and disruption and prolongation. Office block - M&E Services. Instructed by Main Contractor. National Sub-contractor against National Main Contractor. Arbitration. Amount of claim £5,800,000 (1996).
- ❑ Expert witness - Quantum - Claim for valuation and disruption and prolongation. Educational establishment. Instructed by Main Contractor. National Main Contractor against Employer. Arbitration. Amount of claim £2,200,000. (1996 - 1997).
- ❑ Expert Witness - Quantum - Claim for valuation and disruption and prolongation. M&E installations to Educational establishment. Instructed by Main Contractor. National Sub-contractor against National Main Contractor. Arbitration. Amount of claim £1,900,000 (1996 - 1998).
- ❑ Expert Witness - Quantum - Claim for valuation and disruption and prolongation. M&E installations to Banks. Instructed by Electrical Sub-Sub Contractor. Electrical Sub-Sub-Contractor against M&E Sub-Contractor. Arbitration. Amount of claim £330,000 (1997).
- ❑ Expert Witness - Quantum and Delay Analysis - Claim for negligence. Housing project. Instructed by Main Contractor. Main Contractor against Designer. High Court action. Amount of claim £270,000 (1997 - 1998).
- ❑ Expert Witness - Quantum - Claim for valuation and disruption and prolongation. M&E installations to Technology Building. Instructed by Electrical Sub-Sub Contractor. Electrical Sub-Sub-Contractor against M&E Sub-Contractor. Arbitration. Amount of claim £320,000 (1997 -1998)
- ❑ Expert Witness - Quantum - Claim for valuation and disruption and prolongation. Hydrogen plant - pipework. Instructed by pipework subcontractor. SubContractor against Main Contractor. High Court action. Amount of claim £2,500,000 (1999).

Experience - Expert Witness/ Expert Advice - Sample appointments (cont.)

- ❑ Expert Witness – Quantum – Claim for dispute over professional fees. Commercial properties. Instructed by client. Consultant against client. High court action. Amount of claim £1,400,000 (1999 - 2000).
- ❑ Expert witness - Quantum - Claim for valuation and disruption and prolongation. Educational establishment. Instructed by Main Contractor. National Main Contractor against Employer. Arbitration. Amount of claim £310,000. (1999 - 2001).
- ❑ Expert Witness – Quantum – Claim for negligence. Housing Scheme – Instructed by Architect. Contractor against Architect and Quantity Surveyor. High court action. Amount of claim £160,000 (2000)
- ❑ Expert Witness – Quantum and Delay Analysis – Claim for negligence. Alterations and extension to Nursing Home – instructed by Building Surveyor. Employer against Surveyor. Amount of claim £130,000. High Court Action (2000 - 2001)
- ❑ Expert Witness – Quantum - Claim for valuation, disruption and prolongation. Electrical installation. Retirement Home Scheme - Instructed by Electrical Subcontractor. Subcontractor against Main Contractor. Arbitration. Amount of claim £260,000 (2000)
- ❑ Expert Witness – Quantum – Determination Claim– Shopping complex – Spain – Single Joint Appointment – purchaser against developer – ICC International Arbitration. Amount of claim 18,600 Million Ptas (£6,600,000) (2001)
- ❑ Expert Witness – Quantum – Claim for quantum meruit/valuation – Central London property alteration – instructed by M&E contractor – M&E contractor against employer – High Court action. Amount of claim £610,000 (2001)
- ❑ Expert Witness – Delay Analysis and Quantum – Claim for negligence – Office block – Instructed by employer – Employer against Building Surveyor – High Court Action. Amount of claim £500,000 (2001).
- ❑ Expert Witness – Quantum – Claim for quantum meruit – office block – instructed by client – contractor against employer – High Court action. Amount of claim £7,100,000 (2000 - 2002)
- ❑ Expert Witness – Quantum and Delay Analysis – Claim for valuation and prolongation – Residential property – instructed by employer – contractor against employer – High Court action. Amount of claim £150,000 (2001 - 2002)
- ❑ Expert Witness – Quantum and Delay Analysis – Claim for delay – university residential accommodation – instructed by Contractor – Contractor against Subcontractor – adjudication. Amount of claim £100,000 (2002)
- ❑ Expert Witness – Quantum –Appointed by subcontractor - Defects claim – Employer and Main contractor against Subcontractor, - Post Adjudication (£300,000) (2001-2002).
- ❑ Expert Witness – Quantum and Delay Analysis - Appointed by Architects - negligence action for over valuation, Employer against Employers agent, following liquidation of main contractor, - Adjudication Amount of Claim £150,000 (2002).
- ❑ Expert Witness – Quantum and Delay Analysis – Claim for negligence – theatre refurbishment – instructed by Employer – Employer against Consultants – advice and claim preparation. Amount of claim £1,000,000 (2002)
- ❑ Expert Witness – Quantum and Delay Analysis – Claim for negligence and contractual breaches – high-quality residential flats – Instructed by M&E contractor – Employer against Contractor – advice and claim preparation. Amount of claim £17,000,000 (2002)
- ❑ Expert witness - Quantum and Delay Analysis – Claim for additional work, prolongation and Disruption – Mechanical SS Pipeline installation to Car plant – instructed by subcontractor - subcontractor against contractor – High Court Action. Amount of claim £175,000 (2001-2003)
- ❑ Expert Witness – Delay Analysis –Claim for Delay and Disruption – Housing Scheme – Instructed by employer – contractor against employer - Pre Adjudication – Amount of claim £5,000,000 (2003)
- ❑ Expert Witness – Single Joint Expert - Quantum - Claim for Loss and Expense – Mechanical Pipeline system – Instructed by employer – tripartite dispute - Amount of claim £500,000 (2003)

Experience - Expert Witness/ Expert Advice - Sample appointments (cont.)

- ❑ Expert Advice – Delay Analysis and Quantum – Claim for additional work and Delay – Water infrastructure and pipeline system - instructed by employer – contractor against employer – Adjudication. Amount of claim £8,900,000 (2003)
- ❑ Claim Structuring pending action – Delay Analysis and Quantum – Claim for negligence – custom-purpose high intensity serviced building – instructed by Employer – Employer against Consultants – advice and claim preparation for quantum and delay analysis. Amount of claim £12,000,000 (2001 - 2003)
- ❑ Expert Witness – Delay Analysis and Quantum – Claim for negligence – steelwork façade to French theme park – instructed by Contractor – Contractor against Consultants - advice and claim preparation. Amount of claim £800,000 (2002 - 2004)
- ❑ Expert Advice – Delay and Quantum – Claim for Loss and Expense and Variations – Domestic Waste-to-Energy Plant –Instructed by Turnkey contractor – package contractor against turnkey contractor - advice and claim preparation pending adjudication – Amount of Claim £2,300,000 (2002- 2004)
- ❑ Expert Witness – Delay Analysis and Quantum – Delay and Disruption Claim – High Rise Office Block – Concrete Structure – instructed by sub contractor – Subcontractor against Contractor. Adjudication - Amount of claim £8,800,000 (2000 - 2004)
- ❑ Expert Witness – Delay Analysis and Quantum – Delay and Disruption Claim – High Rise Office Block – Concrete Structure – instructed by sub contractor – Package contractor against Management Contractor. Adjudication - Amount of claim £3,000,000 (2003 - 2005)
- ❑ Expert witness - Quantum– Claim for additional work and counterclaim for defective work – Domestic Property Alterations works – instructed by employer – contractor against employer – Pre Action Protocol. Amount of claim £100,000 (2003 - 2004)
- ❑ Expert Witness – Delay analysis - Claim for prolongation and Disruption – Gallery Refurbishment and extension – Contractor against Employer – Adjudication – Amount of claim £1,000,000 (2004)
- ❑ Expert Advice – Delay and Quantum – Claim for Delay and setoff – Domestic Waste-to-Energy Plant –Instructed by Turnkey contractor – turnkey contractor against Client - advice and claim preparation pending adjudication – Amount of Claim £6,000,000 (2004 - 2005)
- ❑ Expert Advice – Delay and Quantum – Claim for prolongation acceleration and disruption – Instructed by PFI contractor – School PFI's – M&E subcontractor against contractor – pre Adjudication - £2,000,000 (2004)
- ❑ Expert Advice – Delay analysis and Quantum – Claim for additional work Delay and Disruption – PFI Hospital project – Instructed by Contractor - Contractor against SPV – Pre Action – Amount of claim £10,000,000 (2005)
- ❑ Expert witness - Quantum– Claim for additional work– Drainage and external works – instructed by employer – contractor against employer – High Court Action. Amount of claim £200,000 (2003 - 2005)
- ❑ Expert Advice – Delay Analysis - Claim for prolongation and Disruption - Fit out for Multi-storey apartment block – instructed by package contractor – package contractor against management contractor – Contract Value £15,000,000 (2003 - 2005)
- ❑ Expert Witness – Delay Analysis – Claim for additional work and Delay – Hospital - instructed by subcontractor – subcontractor against contractor – Pre Action Protocol. Amount of claim £700,000 (2004 - 2005)
- ❑ Expert Witness - Delay Analysis – Claim for prolongation and Disruption – High quality Residential flats and shops – Contractor against Employer – Adjudication – Amount of claim £750,000 (2003 - 2005)
- ❑ Expert Witness – Delay Analysis and Quantum – Claim for additional work and Delay – Water infrastructure and pipeline system - instructed by employer – contractor against employer – Pre Action Protocol. Amount of claim £4,000,000 (2004 - 2005)
- ❑ Expert Advice – Delay Analysis and Quantum – Claim for additional work and Delay and Disruption – Bridge Refurbishment - instructed by subcontractor – subcontractor against contractor – Adjudication. Amount of claim £8,000,000 (2004 - 2006)

Experience - Expert Witness/ Expert Advice - Sample appointments (cont.)

- ❑ Expert Witness – Quantum and Delay Analysis – Claim for prolongation and Disruption – construction of groundworks and reinforced concrete works – Instructed by Subcontractor - Subcontractor against Main Contractor – Amount of Claim £500,000 (2005)
- ❑ Expert Advice – Delay Analysis and Quantum – Claim for Loss and Expense and Variations – Domestic Waste-to-Energy Plant –Instructed by Turnkey contractor – package contractor against turnkey contractor - advice and claim preparation pending adjudication – Amount of Claim £6,000,000 (2005)
- ❑ Expert witness – Quantum – Claim for delay and loss and expense and Counterclaim – Office Development - instructed by Employer - Main Contractor against Employer – High court Action – amount of claim £10,000,000 (2005)
- ❑ Expert Witness – Delay Analysis and Quantum – Defence of Claim for defects in construction and Final Account Claim – Construction of substantial residential property - instructed by Client – Client against Main Contractor - Amount of claim £2,500,000 (2004 - 2005)
- ❑ Expert Witness – Delay Analysis and Quantum – Negligence Claim – Construction of Youth Hostel – Instructed by Employer - Employer against Consultants – advice and claim preparation prior to litigation – mediation - Amount of Claim £2,000,000 (2005 - 2006)
- ❑ Expert Witness – Delay Analysis and Expert Advice – Claim for Negligence - Construction of Hospital Heart and Lung Centre – instructed by Hospital - Hospital against Consultant – Advice and Expert's Report – Amount of claim £1,000,000 (2005 - 2006)
- ❑ Expert Witness – Quantum – Property Contract – Overage Claim – Barn conversions – Instructed by Land Owner – Land Owner against Developer – advice report prior to litigation - Amount of Claim £30,000 (2006)
- ❑ Expert Witness – Quantum – Oil Pipeline – Eastern Europe – Instructed by Contractor – Contractor against Employer – advice report prior to litigation - Amount of Claim £200 million (2006)
- ❑ Expert Advice – Delay Analysis, Expert Advice and Expert Quantum – Claim for Delay and Disruption – Construction of shopping arcade – Instructed by Subcontractor – Subcontractor against Management Consultant – Expert Advice – Amount of Claim £1,500,000 (2005 - 2006)
- ❑ Expert Witness – Quantum – Claim for additional work, delay and disruption– Steelwork to major railway infrastructure - instructed by package contractor – contractor against employer – Pre Action Protocol and Adjudication. Amount of claim £600,000 (2005 - 2007)
- ❑ Expert Witness – Quantum and Delay Analysis – Offshore Oil platform — Instructed by SubContractor – SubContractor against Contractor – advice report prior to litigation - Amount of Claim £500,000 (2006 - 2007)
- ❑ Expert Advice – Quantum – Claim for variations – Domestic Waste-to-Energy Plant –Instructed by Turnkey contractor – M&E subcontractor against Turnkey Contractor – Expert Report in adjudication – Amount of Claim £500,000 (2006 - 2007)
- ❑ Expert Witness – Delay Analysis and Quantum – Negligence Claim – redevelopment of petrol station site – Instructed by solicitor - Developer against Solicitor – expert report in pre-action protocol – Amount of Claim £200,000 (2006 - 2007)
- ❑ Expert Witness – Delay Analysis and Quantum – Valuation, Delay and Disruption Claim – an office development in London's Bankside with a ten storey super-structure and 2 storey basement – Instructed by Concrete subcontractor - Subcontractor against Contractor – expert report– Amount of Claim £2,500,000 (2007)
- ❑ Expert Witness – Delay Analysis and Quantum – Negligence Claim – Damage to drainage following Piling – Instructed by solicitor - Contractor against Developer – expert report in pre-action protocol – Amount of Claim £200,000 (2007)
- ❑ Expert Witness – Delay Analysis and Quantum – Valuation, Delay and Disruption Claim – Steelwork to Multistorey hotel – Instructed by Cleint - Package contractor against Contractor – expert report– Amount of Claim £800,000 (2007)
- ❑ Expert Witness – Delay Analysis and Quantum – Negligence Claim – Structural Engineering to new office and training facility – Instructed by solicitor - Developer against Engineer – expert report in pre-action protocol – Amount of Claim £300,000 (2007)

Experience - Expert Witness/ Expert Advice - Sample appointments (cont.)

- ❑ Expert Witness – Delay Analysis – Claim for additional work, delay and disruption– Construction of extension to Spa Centre – Instructed by employer - contractor against employer – Pre Action Adjudication. Amount of claim £800,000 (2007-2008)
- ❑ Expert Witness – Quantum – Defects Claim – Shopping Centre complex and multi-storey car park - Instructed by solicitor – Employer against Contractor - Expert report in Adjudication. Amount of claim £800,000 (2007-2008)
- ❑ Expert Advice – Delay analysis and Quantum – Valuation, Delay and Disruption Claim – Structural Concrete to 3 multi-storey offices – instructed by Concrete Subcontractor – Subcontractor against Contractor. Amount of claim £2,000,000 (2008)
- ❑ Expert Witness – Delay Analysis and Quantum - Delay and Disruption Claim – Office Block and Retail Centre - Instructed by Concrete Subcontractor - Subcontractor against Contractor – expert report in negotiations – Amount of Claim £1,500,000 (2007-8)

Current Appointments

- ❑ Expert Witness – Delay Analysis - Delay and Disruption Claim - International Integrated Oil And Gas Processing Facility - Instructed by Contractor - Civils Contractor against Turnkey Contractor – expert report in negotiations – Amount of Claim £4,000,000 (2007-)
- ❑ Expert Witness – Delay Analysis and Quantum – Valuation, Delay and Disruption Claim - Coal Power Station Extension and alteration - Instructed by Civils subcontractor - Subcontractor against Contractor – expert advice/report– Amount of Claim £1,500,000 (2007-)
- ❑ Expert Witness – Quantum - Loss and Expense for Prolongation claim - instructed by Contractor - Contractor against Employer - expert report in negotiations

Experience – Adjudications

- ❑ Appointed on more than 40 adjudications since 2002, where the issues in dispute have ranged from defective work, professional fee claims, delay and disruption, loss and expense and variations claims.
- ❑ The projects have ranged from domestic properties to office blocks and industrial facilities to state of the art scientific facilities.
- ❑ The disputes have involved structural and M&E issues.

Experience - Administration/Advocacy in Arbitration/Arbitrator and Mediation/Adjudication

- ❑ Acting as Arbitrator in respect of quantum - small dispute between Client and Contractor (1986); Acting as mediator in small dispute between Client and Main Contractor - successfully resolved (1991). Representing Main Contractor, Clients and Subcontractors in arbitrations (1991-2). Arbitration and Litigation support to Solicitors (various - 1991 to date).
- ❑ Expert involvement in mediation proceedings in conjunction with solicitors and clients up to £8,000,000 (2000 to date).
- ❑ Adjudicator - Elected to Panel of Adjudicators - Chartered Institute of Arbitrators (2000); CIC Panel of Adjudicators (2001); CIOB Panel of Adjudicators (2001), RICS Panel of Adjudicators (2002); T5 (2004)
- ❑ Sitting as an Technical Assessor for a legal adjudicator in respect of professional fees and services on a major national centre, £1,500,000 (2000 to 2001)
- ❑ Support to solicitors and clients in the prosecution and defence of adjudication proceedings up to £10,000,000 (2000 to date).

Experience - claims advice and preparation of supporting documentation

Since 1983 - Preparation and overseeing the preparation of defence of claims and the prosecution of claims for delay, extensions of time, direct loss and expense and disruption claims in respect of Specialist Sub-contractors to Main Contractors and Main Contractors to Clients and Sub-contractors. The following are examples: -

- ❑ Acting for Clients - various main contract claims up to £10,000,000 (1990 to date)
- ❑ Acting for Main Contractor - various claims up to £8,000,000 (1979 to date)
- ❑ Acting for Sub-contractors:
 - ❑ Specialist M&E & E & M services - various claims up to £3,000,000 (1991 to date)
 - ❑ General Electrical and Mechanical - various claims up to £1,000,000 (1991 to date)
 - ❑ External Cladding/Curtain Walling - various claims up to £500,000 (1983 to 2004)
 - ❑ Floor and Wall Tiling - various claims up to £500,000 (1993 to 2001)
 - ❑ Concrete works and Brickwork – various claims up to £2,000,000 (2000 to date)
 - ❑ Overseas involvement
 - ❑ Asia – Claims preparation on new railway (£3,000,000) and defence of damages claim (£30 Million) (1998)
 - ❑ Europe – Claims defence on New Factory/Office development – £1,100,000 (1997-98)
 - ❑ Germany/Nigeria – Claims in relation to Gas Liquefaction Plant. Claim for valuation and disruption and prolongation. Structural package contractor to Gas Liquefaction Plant, Nigeria – 127,000,000 DEM (£43,000,000) - (1998/2001). Including appointment as Expert Witness - Quantum - Instructed by package contractor – preparation for Uncitral Arbitration.
 - ❑ Germany/Nigeria – Residential Scheme - Claim for valuation and disruption and prolongation – 151,000,000 DEM (£52,000,000) - (1998/2001). Including appointment as Expert Witness - Quantum - Instructed by package contractor – preparation for Uncitral Arbitration.
 - ❑ Germany/France/Nigeria – Claims in relation to Gas Liquefaction Plant and Residential Scheme. M&E works. – 35,000,000 DEM (£12,200,000) - (1998/2001)
 - ❑ Germany/Nigeria – Claims in relation to Gas Liquefaction Plant – Jetty Construction. Claim for valuation and disruption and prolongation. Jetty Design and Build to Gas Liquefaction Plant, Nigeria – €5,000,000 (2003-).
 - ❑ Germany/Nigeria – Claims in relation to Oil Infrastructure Centres. Claim for valuation and disruption and prolongation. New Accommodation Villages, Nigeria – €8,000,000 (2004).
 - ❑ Germany/Nigeria – Claims in relation to Concrete Plant. Claim for valuation and disruption and prolongation. New Concrete Plant, Nigeria – €10,000,000 (2004).
 - ❑ Germany/Nigeria – Claims in relation to New Stadium. Claim for valuation and disruption and prolongation. International Stadium, Nigeria – €10,000,000 (2004).
 - ❑ Germany/Nigeria – Claims in relation to an International Business Village, shopping and Entertainment centre, Nigeria - £5,000,000 (2005-)
 - ❑ Germany/Qatar – Expert Advice - Delay analysis and quantum, and systems for change management in relation to 6,000 apartment housing development, including Claims relating to foundations, geotechnical investigations and design delays – €1 Billion development cost (2007-).
 - ❑ Germany/Qatar – Expert Advice – Delay Analysis and loss and expense in respect of city road infrastructure works - project value €300 million (2008-)

Experience - Audits

Advice and assistance in undertaking forensic internal and external audits related to construction companies. Development of systems and related computerised systems - Construction Companies - Housing; Railway Works.

Training and Support

Providing assistance and advice in the establishment of proper procedures for Main Contractors and Sub-contractors and Sub-Sub-contractors - various clients – Labour tracking, progress tracking, construction of as-built progress reports and delay analysis as works proceeds.

Lecturing on professional mid-career training courses and Advanced Delay and Disruption courses. In-house lecturing for mid-career training to National Contractors and National Sub-contractors:- JCT contracts and subcontracts, ICE contracts and subcontract, GC works contracts and subcontracts.

Joint editor of Delay and Disruption in Construction Contracts by Keith Pickavance.

Experience - General Quantity Surveying and Delay Analysis and Related Matters

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| 1974 – 1998 | Both pre and post contract - wide experience in most classes of building and civil engineering up to current day values of £40 million. |
| 1998-to date | Both pre and post contract - Proactive advice on structure of contract programming, progress record keeping, delay analysis and reporting. |
| 1997 | Advisor to Railway employer on setting up quantity surveying systems for management of commercial aspects of maintenance and infrastructure works undertaken by contracting organisations. |