

Andrew White

Director, Delay and Construction Management Expert

Professional experience

Andrew has over 40 years of experience and provides services in delay analysis, preparation and defence of claim submissions, assessment and audit of EOT entitlement, and construction project management matters.

Andrew is a Chartered Construction Manager with extensive construction experience who is regularly appointed as an Expert and Expert Advisor on delay and construction project management matters in adjudication, arbitration, and litigation and recognised by clients for his thoroughly researched, clearly reasoned, “common sense” based analyses.

He has given evidence under cross-examination and concurrently through tribunal led expert conferencing (‘Hot Tubbing’) and is an accredited Expert Determiner.

WWL says:

"Andrew is one of the best delay experts out there"

"He performed impressively well in a multidisciplinary case working in collaboration with other experts"

"He quickly identified the essential issues that were relevant for his analysis"

"Andrew White is singled out as “an extremely thorough expert” who is “able to be polite but clear with the client” when it comes to delay and construction project management matters.”

"Andrew's technical expertise is very impressive and the delivery of his work is very client friendly"

"He has impressive technical skills in delay analysis"

“WWL RECOMMENDED” – 2023 and 2024

His experience has been acquired across a broad spectrum of building, power & utilities, industrial & manufacturing, transportation & infrastructure, oil & gas projects in both the UK and the Middle East under JCT, NEC, ICE, FIDIC, IChemE, and bespoke forms of contract.

Prior to 2007, Andrew worked for several major contractors for 25 years on a variety of projects within the civil engineering and building sectors, in various roles from site engineer through to projects director, with responsibility for projects from potential development scheme through to tender enquiry, construction and completion.



Contact Details

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Qualifications and training

MSc Construction Law

FCIOB

FAE

FCI Arb

MAPM

QDR(ED)

Chartered Construction Manager

Relevant skills

Expert Witness

Delay Analysis

Claims & Dispute Management

Commercial Management

Expert Determination

Construction Management

Relevant sectors

Aviation

Data Centres

Education

Energy

Sports and Leisure

Health

Manufacturing and Industrial

Science and Technology

Tourism and Hospitality

Ports

Retail

Water

Commercial Developments

Utilities

Process Engineering

Residential

Roads & Bridges

Construction Management

Relevant project experience

Aviation

- **Airport, UK (2018-2021):** Independent assessment of contractor EOT entitlement on behalf of the Contract Administrator.
- **Airport, Middle East (2015):** Party appointment in an ICC arbitration between a main contractor and M & E subcontractor in a dispute arising from delay incurred in the construction of an ATC and supporting facilities.
- **Airport, Middle East (2015):** Analysis of delay incurred in the construction of an operations centre, perimeter security measures and associated specialist systems on a major airport project.
- **Airport, Middle East (2013):** Development of Planned v As Built design programme to support a claim by the designer for delay incurred in the design of a major airport project.

Commercial Developments

- **Commercial, UK (2023):** Party appointment to assess Contractor EOT entitlement on a major complex city centre 'cut and carve' redevelopment including the construction of additional floors to a historic building.
- **Commercial, UK (2022):** Party appointment to assess Contractor EOT entitlement and concurrency to assist in the evaluation of loss and expense
- **Commercial Development, UK (2020):** *Prime London Residential Development Jersey Master Holding Ltd v Withers LLP [2021] EWHC 2401 (Comm)* Party appointment in litigation to concerning the demolition of a multi-storey building whilst retaining an operational high-end retail operation at ground floor level, requiring an opinion on a reasonable demolition methodology and demolition period, absent certain events alleged to have been caused by the negligence of the Defendant.

Andrew worked with an acoustic expert to identify the extent of delay and changes in methodology caused by alleged noise and vibration constraints with the extent of delay agreed between the parties at trial.

- **Commercial Development, Eastern Europe (2019 - 2022):** Party appointment under a VIAC arbitration in a dispute between contractor and owner concerning the construction of 10 and 16 - storey commercial office buildings requiring the analysis of critical delay and the effect of alleged mitigation and acceleration measures arising from the alleged increase in the density and complexity of reinforcement in the substantial basement structure. Andrew worked with multiple technical experts and the Respondent quantum expert and provided oral testimony under cross-examination.
- **Commercial, UK (2016):** Party appointment in adjudication in a dispute between a subcontractor and contractor concerning delay to the construction of a basement on a city centre commercial development.
- **Commercial and Retail, UK (2016):** Party appointment in litigation (assistant to Quantum expert) in a dispute between an architect and sub-consultant in litigation over liability for costs incurred flowing from EOTs awarded to the main contractor by the Architect due to delay caused by the sub-consultant.
- **Commercial, Middle East (2015):** Independent assessment of EOT entitlement of the designer for delay incurred in the development of the design of the interior fit out of a major commercial development (Planned v As Built analysis).
- **Commercial, UK (2011):** Party appointment in arbitration between a subcontractor and specialist sub-subcontractor to analyse delay incurred in the construction of a reinforced concrete frame on a landmark 50 storey building. Oral evidence given under cross-examination.

Data Centres

- **Data Centre (2022):** Party appointment to assess Contractor EOT entitlement and concurrency to assist in the evaluation of loss and expense.

Education

- **University Campus, UK (2021):** Party appointment to assess potential entitlement of an M & E subcontractor to a change in the Completion to inform a potential adjudication strategy under an NEC 3 subcontract to design, install and commission services on a major university campus re-development.
- **Student Accommodation, UK (2019):** Analysis and EOT claim submission on behalf of a Contractor appointed to construct student accommodation.
- **Library and Document Storage Facility, UK (2018):** Independent assessment of EOT entitlement on behalf of a contractor on a complex and iconic design involving extensive basement construction and high-quality finishes, delayed and disrupted by numerous Employer changes.
- **Student Accommodation, UK (2017):** Party appointment in adjudication in a dispute between a contractor and Employer over entitlement to an extension of time on a complex 'cut and carve' student accommodation development to a historic listed building.
- **Residential School for Performing Arts, UK:** Delay analysis to support contractor EOT submission.

Energy

- **Onshore Wind Farm, North Africa (2020):** Advisory role in a dispute between sub-contractor and contractor regarding EOT entitlement and acceleration proposals.
- **Offshore Wind Farm, UK (2019):** Independent assessment of sub-contractor EOT entitlement.
- **Power Plant, UK (2019):** Analysis on behalf of a subcontractor of the likely range of entitlement to a change in the Completion Date under an NEC 3 Subcontract Agreement for works to design, fabricate off-site, install, test and commission Combined Services Modules.
- **Waste to Energy, UK (2023):** Independent assessment of EOT entitlement on behalf of a JV partner and, to support the JV position with the Owner.
- **Biomass Plant, UK (2019):** Party appointment to analyse the cause and effect of delay events and likely range of contractor EOT entitlement.
- **Biomass Plant, UK (2019):** Party appointment to analyse the cause and effect of delay events and likely range of contractor EOT entitlement.
- **Combined Cycle Power Plant, UK (2018):** Analysis of delay incurred by a contractor in the erection of stacks, air intakes, heat recovery steam generator and condensers at a combined cycle power plant (880MW). The 'Planned v As Built' analysis was undertaken across multiple contractual sections to demonstrate the effect of delayed access, construction status drawings, provision of attendances by the principal contractor, resequencing and disruption caused by other contractors.
- **Waste to Energy, UK (2017):** Party appointment in a dispute between an EPC contractor and design consultant over alleged deficiencies in the consultant's design proposals and the effect of the deficiencies on the design, procurement and construction of the plant based around an anaerobic digestion (AD) system. The appointment required a critical analysis of the feasibility of the contractual design and procurement schedule and process together, together with preliminary analysis of the causes of delay to the progress of discrete elements of the design and works.
- **Waste to Energy, UK (2016):** Delay analysis to determine the progress position of the Works, range of forecast completions and causes of delay and subcontractor EOT entitlement on an energy from waste gasification and mechanical biological treatment plant. This included the identification of actions necessary to develop a robust assessment of progress and subsequent recovery programme.

Utilities

- **Convertor Station, UK (2019):** Party appointment to analyse the cause and effect of delay events and likely range of subcontractor EOT entitlement.
- **Utilities Infrastructure, UK (2012):** Delay analysis on a £60m utility infrastructure package on the London 2012 Olympic Park project. This required the review of delaying events arising from delayed and fragmented access arrangements, major diversions of the existing infrastructure and provision of new service infrastructure and plant.

Sports and Leisure

- **Leisure Facility, UK (2022):** Party appointment on completion of a complex “cut and carve” refurbishment project to a listed building to opine on the time taken to complete the Works “but for” an insured event.
- **Sports Facility, UK (2019):** Independent analysis of sub-contractor EOT entitlement on behalf of a Contractor appointed to construct a swimming pool facility and used as the basis of a settlement by the Parties.
- **Residential, Retail and Cinema, UK (2018):** Party appointment in an LCIA arbitration in a dispute between a contractor and PI insurers concerning the failure of a basement slab under hydrostatic pressure during the construction of a mixed use 20 storey residential development, requiring the detailed analysis of actual events, rates of progress and site logistical issues arising from the remedial works to opine on various hypothetical scenarios under the terms of the PI policy and actual delay to multiple Sections of the Works.
- **Major Stadium, Middle East (2015):** Audit of Time Impact assessment on behalf of a contractor to inform its claim settlement strategy. Approx. construction value US \$ 330M.
- **Major Stadium, Middle East (2014):** Independent assessment of Contractor entitlement to an extension of time to inform the Employer’s settlement strategy. Approx. construction value US \$400M.
- **Utilities Infrastructure, UK (2012):** Delay analysis on a £60m utility infrastructure package on the London 2012 Olympic Park project. This required the review of delaying events arising from delayed and fragmented access arrangements, major diversions of the existing infrastructure and provision of new service infrastructure and plant.

Health

- **Dementia Care Home, UK (2018-2019):** Analysis on behalf of a Contractor to provide an independent assessment of sub-contractor liabilities arising from significant delay events. The analysis formed the basis of a settlement with the r.c. frame subcontractor and to respond to a referral in adjudication by the M & E subcontractor.
- **Acute Care Hospital, UK (2018):** Technical audit of contractor programmes on behalf of a developer, to support a 2-stage bid process and advice on project time controls.
- **Mental Health, UK (2017):** Party appointment concerning delay to the construction of a 79-bedroom dementia unit over 7 levels.
- **Acute Care Hospital, UK (2017):** Party appointment concerning delay incurred in the design of mechanical, electrical and medical services on a new build hospital project.
- **Major PFI Hospital, Liverpool, UK (2013):** Technical audit and programme feasibility role on behalf of the fund monitor.
- **Major PFI Hospital, Bristol, UK (2013):** Analysis of the effect of a major variation on behalf of the fund monitor.
- **Mental Health Facility, London, UK (2012):** Planning, monitoring and delay analysis role on behalf of a contractor on a project for the design and construction for a major extension to a medium secure facility for a mental Health Trust.
- **Commercial Development, Eastern Europe (2019 - 22):** Party appointment under a VIAC arbitration in a dispute between contractor and owner concerning the construction of 10 and 16 - storey commercial office buildings requiring the analysis of critical delay and the effect of alleged mitigation and acceleration measures arising from the alleged increase in the density and complexity of reinforcement in the substantial basement structure. Andrew worked with multiple technical experts and the Respondent quantum expert and provided oral testimony under cross-examination.

Manufacturing and Industrial

- **Remediation, UK (2022):** Development of an EOT submission to support Contractor entitlement to an EoT and loss and expense for remediation works on a residential project.
- **Remediation, UK (2021):** Party appointment to advise on Contractor EoT entitlement on the remediation of an inner-city brownfield residential project.
- **Paper Processing Plant, UK (2019):** Party appointment in litigation in a dispute under the terms of an insurance policy regarding a reasonable period to design, procure and construct (replace and extend) a production facility damaged by fire.

Science and Technology

- **Laboratory, UK (2019-2020):** Party appointment in adjudication in a dispute between a contractor and M & E subcontractor over the construction of laboratory building and support offices (new build and refurbishment) including the installation and process integration of new and existing equipment.

Tourism and Hospitality

- **Leisure Facility, Caribbean (2023):** Party appointment in arbitration on a multi-building holiday development (LIVE APPOINTMENT).
- **Residential, Retail and Cinema, UK (2018):** Party appointment in an LCIA arbitration in a dispute between a contractor and PI insurers concerning the failure of a basement slab under hydrostatic pressure during the construction of a mixed use 20 storey residential development, requiring the detailed analysis of actual events, rates of progress and site logistical issues.

Ports

- **Dock Extension, UK (2022):** Party appointment to assess Contractor and Subcontractor EOT entitlement.
- **Dock Extension, UK (2021):** Critique of subcontractor analysis methodology.
- **Port Facility, Middle East (2011):** Party appointment in a dispute between a contractor and Employer. Analysis of delay incurred in the construction of a piled jetty.

Process Engineering

- **Technical Audit, Kazakhstan (2017):** Audit of progress, reporting, delay and resources utilized in the development of a major oil and gas field.
- **Technical Audit, Kazakhstan (2016):** Audit of progress, reporting, delay and resources utilized in the development of a major oil and gas field.
- **Polyethylene Plant, UK (2008):** Part of a team investigating main contractor entitlement to an extension of time on a £200m polyethylene plant constructed under an EPC contract. This included auditing civil and welding subcontractor delay and disruption claims to test allegations of cause and effect arising from design changes.

Residential

- **Residential, UK (2022):** Independent analysis of EOT entitlement on a high-end mixed use city centre project.
- **Residential, UK (2020):** Party appointment in arbitration to opine on delay to a high value single dwelling project.
- **Residential Development, UK (2020):** Party appointment in litigation concerning a high value single dwelling project, to opine on whether the contractor was progressing the works 'regularly and diligently' in a dispute concerning termination.
- **Residential Development, UK (2020):** Independent assessment of potential EOT entitlement on behalf of a contractor on a 58-unit design and build development involving both new build and the conversion of a Grade 2 listed property.
- **Social Housing, UK (2019):** Independent assessment of EOT entitlement and certain loss and expense issues on behalf of a Housing Association on a 35-unit design and build 'Extra Care' housing development.
- **Social Housing, UK (2019):** Independent assessment on behalf of a contractor, of potential EOT entitlement caused by the effects of Exceptionally Adverse Weather conditions on a 109-unit design and build 'Extra Care' apartment development.
- **Social Housing, UK (2019):** Dispute in adjudication between a contractor and M & E subcontractor on a 60-unit design and build 'Extra Care' apartments.

- **Residential, Retail and Cinema, UK (2018):** Party appointment in an LCIA arbitration in a dispute between a contractor and PI insurers concerning the failure of a basement slab under hydrostatic pressure during the construction of a mixed use 20 storey residential development, requiring the detailed analysis of actual events, rates of progress and site logistical issues arising from the remedial works to opine on various hypothetical scenarios under the terms of the PI policy and actual delay to multiple Sections of the Works.
- **Residential, UK (2017):** Party appointment in adjudication in a dispute between a contractor and subcontractor concerning delay incurred in the completion of the roof construction of an apartment block.
- **Residential Project, UK (2013):** Audit of contractor EOT entitlement on behalf of the Employer for delay incurred in the construction of a high value single dwelling (Planned v As Built analysis).

Retail

- **Retail Project, UK (2021):** Party appointment in potential litigation to provide an initial opinion on the causes of delay to the start-up of a mixed retail and leisure development.
- **Retail Project, UK (2017):** Party appointment in a dispute between a contractor and Employer over entitlement to an extension of time on a complex 'cut and carve' retail development involving the construction of an additional floor and cinema complex and redevelopment of an existing atrium, mall and basement.

Roads & Bridges

- **Highway Project, UK (2017):** Analysis of accelerative and re-sequencing measures on a 'Managed Motorway' upgrade scheme under NEC 3 on behalf of the contractor demonstrating that absent the measures, Employer change events would have delayed Completion(s).
- **Highway Project, Bolivia (2017):** Analysis of delay on the 'dualling' of an existing highway on behalf of a contractor to inform the settlement strategy.
- **Highway Project, UK (2013):** Independent assessment of contractor entitlement to a change in the Completion Date under NEC 3 on behalf of a local authority and Project Manager in dispute with the contractor.
- **Highways, UK (2013):** Audit of tender programme feasibility on behalf of the UK Highways Agency on 2 x 'Managed Motorway' upgrade schemes under NEC 3 in support of the tender evaluation process.
- **Highways, UK (2013):** Audit of contractor adherence to NEC 3 time and CE provisions on behalf of the UK Highways Agency on a 'Managed Motorway' scheme.
- **Highways, UK (2011):** Party appointment in an adjudication between contractor and local authority in the construction of an inner-city relief road.

Utilities

- **Convertor Station, UK (2019):** Party appointment to analyse the cause and effect of delay events and likely range of subcontractor EOT entitlement.
- **Utilities Infrastructure, UK (2012):** Delay analysis on a £60m utility infrastructure package on the London 2012 Olympic Park project. This required the review of delaying events arising from delayed and fragmented access arrangements, major diversions of the existing infrastructure and provision of new service infrastructure and plant.

Water

- **Wastewater Treatment Plant, UK (2019):** Analysis of the causes delay in the development of the design under an NEC 3 design and build contract, to support recovery of Contractor losses from its design consultant.
- **Water Treatment Plant, Middle East (2021 - 2023):** Party appointment in a dispute referred to a Consolidated Dispute Board ("CDB") over the design and construction of water treatment plant. Andrew provided concurrent expert evidence to the tribunal.
- **Water Treatment Plant and Pipeline, UK:** Design and construction management on the extension and upgrading of a drinking water plant. This role extended to the development, submission and presentation of a delay and disruption analysis post completion, which formed the basis of the settlement between the parties.

Construction Management

- **Student Accommodation, UK (2021):** Party appointment in adjudication to opine on the sufficiency of temporary weather protection measures and routes of water ingress on a 460-bedroom student accommodation block.
- **Residential, UK (2020):** Party appointment in litigation to opine on a reasonable methodology and period for the demolition of a building in a city centre location whilst maintaining a high-end retail operation at ground floor. The analysis required close coordination with a noise and vibration expert.
- **Industrial Facility, UK (2019):** Party appointment in litigation in a dispute under the terms of an insurance policy regarding a reasonable to period to design, procure and construct (replace and extend) a production facility damaged by fire.
- **Student Accommodation, UK (2018):** Party appointment to opine on a reasonable period to complete a retained façade student accommodation project following the collapse of a retained façade and roof structure.
- **Acute Care Hospital, UK (2018):** Technical audit of contractor programmes on behalf of a developer, to support a 2-stage bid process and advice on project time controls.
- **Waste to Energy, UK (2017):** Party appointment in a dispute between an EPC contractor and design consultant over alleged deficiencies in the consultant's design proposals. The appointment required a critical analysis of the feasibility of the contract design and procurement schedule and actual procurement process (see also 'Energy').
- **Retail Project, UK (2017):** Party appointment in a dispute between a contractor and Employer over entitlement to an extension of time on a complex 'cut and carve' retail development to provide an opinion on the analysis methodology relied on by the Employer and construction management issues driving the completion of the development as opposed to the Works.
- **Major PFI Hospital, Liverpool, UK (2013):** Technical audit and programme feasibility role on behalf of the fund monitor.
- **Highways, UK (2013):** Audit of tender programme feasibility on behalf of the UK Highways Agency on 2 x 'Managed Motorway' upgrade schemes under NEC 3 in support of the tender evaluation process.
- **Highways, UK (2013):** Audit of contractor adherence to NEC 3 time and CE provisions on behalf of the UK Highways Agency on a 'Managed Motorway' scheme.
- **Mental Health Facility, London, UK (2012):** Planning, monitoring and delay analysis role on behalf of a contractor on a project for the design and construction for a major extension to a medium secure facility for a mental Health Trust
- **Residential and Retail Project, UK (2011):** Party appointment to assess programme feasibility and analyse the impact of changes to access and lay down areas that affected the on & off-site logistics plan on a £40m mixed commercial & retail building project.
- **Residential Project, UK (2011):** Assistant to Expert Witness – appointment by a main contractor in adjudication regarding crane and falsework utilisation on a £100m reinforced concrete frame project in a city centre location.

Testimonials

- *'I have worked with Andrew on several matters where he has provided an expert delay analysis. Andrew's work is always of a high quality. His attention to detail is exceptional. Above all though he is uniquely able to explain his analysis in jargon free plain English. I regularly recommend Andrew to other professionals.'*

Partner, UK Law Firm

- *'We have appointed Andrew to undertake several analyses including the provision of a formal expert opinion to assist in a successful defence in adjudication. His thorough approach is underpinned by a solid construction management background. He produces robust conclusions based on common sense factual analysis and clear reasoning. Should the need arise, we would not hesitate in appointing Andrew again.'*

Director of Planning, Major UK Contractor

- *'Andrew was appointed by the client to advise on delay issues. He worked alongside the legal team to advise on the merits of an extension of time claim and compiled considered submissions to help us to achieve a successful claim for an extension of time before an adjudicator. Despite the absence of complete records, Andrew was able to work with what was available to the client's advantage. Andrew's honesty and integrity helped us to provide considered advice to the client on the merits of the claim and to maintain credibility in proceedings.'*

Partner, UK Law Firm

- *'I am pleased to confirm that we have managed to achieve settlement of the above matter ...following your excellent work on delay... Your report was invaluable in getting us to a position where we could make a sensible offer to conclude matters...hopefully we will work together again soon.'*

Senior Associate, UK Law Firm, UK

- *'Andrew approached a complex delay analysis - involving various integrated sections on a state- of-the-art production facility - in an extremely methodical and thoughtful way. His attention to detail was first-rate and his written work exemplary - being both to the point and presented in user-friendly language. He tackled some particular challenges with good humour, provided no- nonsense views throughout and worked very hard to meet some exceptionally challenging deadlines. I have no doubt that we will work together again, shortly.'*

Partner, UK Law Firm

- *'Andrew is extremely thorough and able to be polite but firm and clear with the client. Andrew's key strength is his attention to detail and the way in which he interrogates the evidence presented to him.'*

Partner, UK Law Firm

Presentations & Speaker Engagements

- *'Extensions of Time in Adjudication'* moderator for a panel discussion with Mark Dixon (Adjudicator), Karen Best (Delay Expert), Jessica Neuberger (Partner – Eversheds) and Jonathan Lewis KC, London, UK, 2023
- *'Analysis Methodologies and Barnes v Blackburn'* joint presentation with Vinson & Elkins, London, UK 2023
- *'Case Studies in Delay Analysis and Developments in Contract Law'* joint presentation with Claire Packman KC to the Chartered Institute of Building, Birmingham, UK, 2022
- *'Practical Guide to the Common Delay Analysis Methods'* Q & A panelist, Society of Construction Law, Turkey, 2022
- *'Termination of Construction Contracts – the Legal and Experts' view'* Chartered Institute of Building, Birmingham, UK, 2021
- *'Disruption Claims – Where are we now?'* Chartered Institute of Building, Birmingham, UK, 2020
- *'Delay Claims – Where are we now?'* Chartered Institute of Building, Birmingham, UK, 2019
- *'Effective Preparation & Evaluation of Complex Construction Claims'* Birmingham, UK, 2019
- *'Delayed? Problems, Procedures and Methods'*, Durham, UK, 2018
- *'Delay and Disruption'*, Birmingham, UK, 2016
- *'Mitigation, Acceleration and Managing Risk'*, Birmingham, UK, 2016
- *'Acceleration Practical Considerations'*, Doha, Qatar, 2014
- *'Pacing – Why Hurry Up and Wait'*, Doha, Qatar, 2014

- *'Delay Analysis'*, University of Wolverhampton, UK, 2013
- *'Project Time Controls'*, Chartered Institute of Building, West Midlands, UK, 2012

Publications & Papers

- *'Causation and Common Sense'*, 2022 review of *Thomas Barnes & Sons PLC (in Administration) v Blackburn with Darwen Borough Council [2022] EWHC 2598 (TCC)*
- *'Pacing – Why hurry up and Wait?'*, 2015
- *'Looking Beyond the Critical Path'*, 2013
- *'NEC3 – The First Programme'*, 2013

Personal Development

- *Concurrent Expert Evidence* - Bond Solon, 2023
- *Expert Determination* – Academy of Experts, UK, 2023
- *Expert Witness Certificate* - University of Cardiff and Bond Solon, UK, 2022
- *Module 3 – Drafting, Evidence and Decision Writing* - CI Arb, UK, 2022
- *Cross-Examination* - Bond Solon - 2022
- *Courtroom Familiarisation* - Bond Solon - 2022
- *Module 2 – Law of Obligations* – CI Arb, UK, 2022
- *Civil Law & Procedure* – Bond Solon, UK, 2021
- *Module 1 - Law, Practice & Procedure of Construction Adjudication* – CI Arb, UK, 2021
- *Excellence in Report Writing – Written Evidence* - Bond Solon - 2021
- *Into Court – Expert Witness Training* – Academy of Experts, 2021
- *Witness Familiarisation and Cross Examination* – Legal Experience Training, UK, 2021
- *Expert Determination* – Academy of Experts, UK, 2018
- *Preparing to go into the 'Hot Tub'* – Academy of Experts, UK, 2017
- *Advanced Professional Award in Expert Witness Evidence* accredited at Masters Level / BTEC Level 7 by Edexcel - Legal Experience Training, London, UK, 2017 and 2014
- *Courtroom Skills Training – Witness Familiarisation*, Bond Solon, UK, 2011

Employment History

TSA Riley (formerly DGA Group)	Director	(Feb 2024 – Current)
HKA	Partner	(Mar 2016 – Dec 2023)
Navigant Consulting	Director	(Nov 2013 – Feb 2016)
Faithful & Gould	Regional Director	(Jan 2012 – Oct 2013)
Trett Consulting	Senior Associate Director	(Sep 2007 – Jan 2012)
Various Contractors including Tarmac Major Projects (Carillion), John Mowlem and Balfour Beatty	Trainee Site Engineer to Projects Director	(Sep 1981 – Sep 2007)