



CONTACT DETAILS

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MEMBERSHIPS

MRICS

FCI Arb

MCInstCES

NEC3 Reg

QUALIFICATIONS

MSc Construction Law and
Dispute Resolution

BSc Quantity Surveying and
Commercial Management

Bond Solon Expert Witness
Training (CUBS)

NEC3 ECC Project
Management Accreditation

CI Arb Adjudication Pathway

PROFILE

A Chartered Quantity Surveyor, Testifying Quantum Expert in the TCC and Commercial Consultant, with 25 years of experience in the construction industry.

I provide Quantity Surveying expertise to facilitate the resolution of construction and insurance related disputes, through forensic analysis and valuation of cost, loss, damage, and entitlement claims, presented within expert reports. I provide expert opinion on issues of professional negligence pertaining to valuation and duties of NEC Project Managers.

I have experience of working in all major formats of dispute resolution and have been instructed as a Quantum Expert in adjudication, litigation, arbitration and mediation. I have produced over 120 expert reports and numerous advisory briefing notes and analysis reports.

My Quantity Surveying experience was gained through employment with contractors, sub-contractors and consultants, during which I was responsible for leading teams of up to 20 quantity surveyors or consultants across the UK and EMEA region on live projects and contentious commissions. I continue to provide commercial management services to live construction projects, assisting with contract administration, contract reviews and implementation of best practice and change management procedures.

I operate across all major sectors including building, civil infrastructure, healthcare, water, data centre, power, energy, nuclear and defence. I have extensive knowledge of standard forms of contract, including JCT, NEC, IChemE, ICE, PFI, FIDIC and numerous bespoke forms of contract, including Professional Services Agreements. I regularly deliver training and presentations on quantity surveying, valuing change, expert witness and NEC related topics.

EMPLOYMENT HISTORY

1999 to 2003 - GRS (Contractors) Ltd - Trainee QS to Assistant QS

GRS constructed road and sewer civil engineering works for national and local housebuilders. My duties included quantity take-offs for tender, estimating, material ordering and programming purposes. Procurement of materials and subcontractors. Monthly valuations, final accounts, valuation of change and client interface.

2003 to 2012 - Balfour Beatty Civil Engineering Ltd - Assistant QS to Senior QS

My role initially involved working in a commercial team, managing civil engineering construction projects in Northwest England. Over time I became responsible for the larger more complex projects in the division, responsible for a team of up to five Quantity Surveyors, working in Joint Ventures. Participated with commercial reporting optimisation, cross-division cooperation and training of commercial teams. Responsible for collating entitlement claims and negotiating resolution of final accounts on complex civil engineering projects.

2012 to 2016 - E.ON UK - Senior Commercial Manager

Recruited to head up the commercial team on three PFI projects totalling c.£300m, with primary responsibility to identify, compile and execute commercial claims against the Employer and supply chain. Produced over 30+ claims in excess of £50m. Worked alongside construction solicitors to adjudicate 9 separate claims over three years, including facilitated mediation and negotiate settlements. Responsible for optimising the asset replacement (CapEx) phase of works, due to delays and underperformance in the delivery phase, produced remedial plans to recover progress and expand bank monitoring reporting to bring the project back on time.

2016 to 2018 – AECOM – Associate

Recruited to provide dispute resolution and claims management advice to the buildings and places business. This included reporting directly into executive management and legal counsel, providing independent advice on exposure to potential PI claims and executing claims on live projects, both up and down stream. Allocated as dispute lead on contentious issues across the AECOM business, including support to projects in the US and ME regions. Liasing directly with opposing parties and legal counsel to reach resolution of complex disputes.

2018 to 2024 – CNS / CCI / Rimkus - Director to Managing Director of Quantum EMEA

Appointed to establish a Northern office and manage an Expert team with CNS (Construction Navigation Services), providing Expert Advisory and Expert Witness services to the Construction and Insurance markets. CNS were acquired by CCI (Capital Consulting International) in 2019 and I was appointed Regional Director for the North. CCI was acquired by Rimkus in 2021 and I was appointed as Managing Director for Quantum in the EMEA region, managing a team of up to 20 experts and sub consultants. I remained a full time Quantum Expert and fee earner during this time, providing expert services to clients and instructing solicitors. Responsible for providing expert services, growing, developing and managing a team of consultants and associates on live commissions. Peer review of teams works with guidance on the production of expert reports and forensic quantum analysis.

2024 to Present –Bridge Expert Services - Director

Founder of Bridge Expert Services, providing Quantum Expert services to the construction and insurance markets across all major sectors. Taking instructions as Expert Witness in litigation, arbitration and adjudication and providing live project commercial support to Contractors and Developers.

EXPERT APPOINTMENTS & EXPERIENCE

BUILDING

Residential Development Project - JCT D&B, England

Instructed as Quantum Expert to provide an opinion on the likely costs to remediate fire safety issues in two student accommodation blocks, in relation obligations arising under the Building Safety Act. Issues included fire safety-related defective works to the envelope, internal partitions, bathroom pods, stairwells, risers and the building MEP systems, incorporating alarms, ventilation and integration with other systems through the BMS. Providing assessment and opinion on the cost of remedial works, associated preliminary costs, waking watch, and loss of income. Provided an expert report in contemplation of litigation and interim mediation. *Solicitor: Stevens & Bolton.*

Commercial Office Development - JCT D&B, Scotland

Instructed as Quantum Expert to provide three expert reports in litigation, dealing with project wide defects and assessment of variations requiring opening up and reinstatement works, including fire protection to exposed beams and consideration of standards in the transition during BSA enactment. Working alongside technical and delay experts to align quantum with issues of liability. Forensic review of records and costs and provision of several scenarios to assist the courts in allocating costs. Providing Joint Statements, Scott Schedules and Supplemental reports to assist the court in narrowing the issues in dispute. *Solicitor Dentons.*

Mixed Use Development – FIDIC Yellow Book, Europe

Instructed as Jointly Appointed Quantum Expert in a ICC Arbitration to determine the contractual valuation methodology and to undertake an independent valuation of the work completed at termination, including measured works, variations, defects and materials on/off site. Consideration of the Parties contrary methods of valuation to establish the correct methodology. Separately consider the valuation of works undertaken by the Employer post termination. The works included luxury apartments and villas, shopping mall, underground parking and external works. *Tribunal (eminent English KC's); Solicitors KP Law and Arian Partners.*

Industrial Unit – Bespoke Contract, England

Instructed as Quantum Expert to value the damages arising from termination of Development Agreement. The assessment required separation of actual services expended from the payment mechanism to determine the proportion of services provided at the date of termination. *Solicitor Squire Patton Boggs.*

Residential Development Project- JCT D&B, England

Instructed as Quantum Expert to determine the cost of incomplete penthouse and roof terrace works and variations and defects to fit-out and M&E works. Worked alongside technical experts to categorise costs aligned with liability. Provision of expert report and joint statement. *Solicitor: DAC Beachcroft.*

Residential Development- JCT D&B, England

Instructed as Quantum Expert to determine costs of alleged defective modular installation and finishing works. Issues related to alignment of modules, façade /envelope tolerance and finishes, and defects to windows, doors, and balconies. Assessment of de-scoped works and third-party defect correction costs. Significant prolongation and disruption. The amount in dispute was >GBP£2 million. *Solicitor: Pinsent Masons.*

Restaurant Fit Out - Bespoke T&Cs, England

Instructed as Quantum Expert to opine on the merits and quantum of claim submitted by M&E subcontractor in adjudication. Provided opinion on entitlement and quantum methodology provisions. Provided first principal assessment of additional items of work and opinion on the veracity of the certifying parties' assessment of quantum. The amount in dispute was <GBP£1 million. *Solicitor: Birketts.*

House Building Defects – Bespoke Contract, England

Instructed as Quantum Expert Advisor to assess the scope and costs of defects in a housing development. Issues ranged from external drainage, balcony installation, roof leaks, incorrectly installed fixtures and fittings and significant delays to completion of plots. *Solicitor Squire Patton Boggs.*

Private Residence- JCT D&B, England

Appointed expert assistant, providing remedial builders work cost analysis for extensive remedial repairs to an extensive private residence and estate. Issues in dispute included defective mechanical and plumbing and associated builder's works to rectify. Scope included bespoke finishes (marble, timber, leather, and polished plaster), structural and building fabric openings and FF&E. Cost analysis used in litigation following termination of main contractor, settled in mediation. The amount in dispute was >GBP£5 million. *Solicitor: Pinsent Mason.*

Residential Development Project- JCT D&B, England

Instructed as Quantum Expert and testified in the TCC, providing CPR compliant reports on matters not agreed, joint statements and quantum presentation to the court. Assessment of structural design defect remedial costs to a three-block multi-storey residential scheme. Working alongside a delay, technical and property valuation expert to determine time related costs for site defect rectification works, off-site modular construction repair and defect rectification works, including façade, roof and water damage. Modular units were subject to extensive remedial works for structural and fire safety related issues with the module fabric, retrospectively considered after enactment of the Building Safety Act. Providing assessment and opinion on developer specific heads of claim relating to finance and refinance costs, charges, fees, loss of opportunity, net present value, inflation and project / head office overhead costs. Attendance and presentation as independent quantum expert during mediation in advance of trial.

Solicitor: Kuits & Arch Law; Barrister (KC): Atkin Chambers; Case Citation [2024] EWHC 1857 TCC.

School Expansion Programme- JCT D&B, England

Instructed as Quantum Expert to assess valuation of provisional sums to building envelope and M&E. Provided opinion on the commercial methodology in pricing provisional sums. Provided an opinion on existing quotations and whether they represented a fair and reasonable assessment with reference to the contract provisions. Compiled a first principal valuation of sums claimed in comparison. The amount in dispute was <GBP£1 million. *Solicitor: Beale & Co.*

Residential Development Project – JCT D&B, England

Appointed as quantum expert, alongside delay colleague to provide expert opinion on the cost of delays, defects and variations of a large envelope package, with a dispute of £60m. Impact of specification changes on tolerance, finishes, manufacturing logistics, affecting construction sequence and interaction with other fit out trades. Value contra-charges relating to prolongation, finance and disruption of other Trade Contractors. The project is an iconic residential conversion in London, providing new homes, leisure, retail and public realm space. *Solicitor: Stevens & Bolton.*

University Refurbishment and Extension- JCT D&B, England

Provided independent expert quantum services reviewing contractual entitlements and obligations in contemplation of litigation. Issues in dispute to resolve were foundations, structural steelwork, envelope, M&E, building services, and fit-out. Review of design requirements and impact of late design upon construction

sequence. Provision of numerous independent reports on specific issues impacting delay and disruption to the project, working alongside the delay expert to establish a factual matrix and determine entitlement to extension of time and loss and expense. Engagement with employer's team in mediation sessions, adjudication submissions and pre-action protocol stage to reach agreement on some EoT and L&E items. The amount in dispute was GBP>£5 million. *Solicitor: Mills & Reeve.*

New University Campus- JCT D&B, England

Instructed as Quantum Expert providing report on a final statement for adjudication. Matters in dispute were building services (M&E), architectural (envelope), and structural variations. Assisted the adjudicator in three days of virtual quantum hearings (during COVID-19), presenting expert report findings and fielding questions from the adjudicator, opposing counsel, and other experts. Compiled delay and disruption valuation (loss and expense) for extensive delays. Working alongside delay experts to allocate costs across a factual matrix. The amount in dispute was >GBP£4 million. *Solicitor: Barton Legal.*

Mixed Use Development- JCT D&B, England

Instructed as Quantum Expert on three separate disputes over three years, to determine costs flowing from an alleged defective structural design, significant re-work and prolongation of the project, loss and expense and large value variations. The scheme consisted of Grade 1 conversion, new build apartments across multiple blocks, new school and facilities, and green and recreational space. Provided expert quantum opinion on construction costs for abortive, demolition, rebuild, and amended scope. Provided expert opinion on developer- and SPV-related heads of claim, including extended and increased costs of finance, marketing, sales, and conveyancing costs. Report included developer-related costs for consultants, attendances, project overheads, and consequential costs of delay to sections of work and follow on work packages. The amount in dispute was >GBP£30 million. *Solicitor: BCLP.*

Super Prime Residential Development JCT Contract, England

Appointed as independent expert advisor to review as-built data, and collate alternative claims based on allocation of culpability. Full review of project cost ledger and produce prolongation matrix to assist in allocation of claim heads including narrative and quantum. Dissect related adjudication decisions and transpose decisions into the claim. Commercial support in correspondence and resolution strategy with subcontractors and insurers. The amount in dispute was >GBP£20 million. *Solicitor: Pinsent Masons.*

Pet Food Facility - JCT SBC, England

Provided independent report on entitlement to extensions of time and associated loss and expense. Undertook a forensic review of records to construct a factual matrix and issued to delay expert for compilation into a delay assessment. Provided a report on loss and expense associated with critical delays to completion. The amount in dispute was <GBP£1 million.

HEALTHCARE

Acute Hospital PFI - Defect Rectification Scheme, Scotland

Instructed as Quantum Expert to provide opinion on costs associated with replacing and mitigating against the installation of defective glazing. The defect related to toughened glass affected by alleged Nickle Sulphide Inclusion (NiS). Defect costs related to replacement of glazing and a range of temporary and permanent mitigation solutions. Quantum opinion was arranged around various technical and legal opinions to assist the adjudicator and to disentangle costs relating to unrelated works ongoing at the same time using the same resources.

The amount in dispute was >£3m. *Solicitor: Brodies*

Mental Health Hospital PFI – North-East England - NEC3 Option A

Instructed as Quantum Expert to provide opinion on costs for alleged fire safety and roofing design defects. Issues arose after consideration of obligations under the Building Safety Act including retrospective findings. Multiple parties were joined in litigation, with issues around allocation of design and workmanship defects. Allocation and validation of costs arising from a settlement agreement between design and workmanship. The amount in dispute was >£20m. *Solicitor: DAC Beachcroft*

Acute Hospital PFI – Defective Cladding Scheme, Scotland

Instructed as Quantum Expert to provide opinion on costs associated with replacement of defective cladding when considered in relation the Building Safety Act. Various design solutions were provided to overcome potential fire safety issues with the building fabric and systems, which I provided costs scenarios to identify the time and cost implications. Due to the retrospective nature of the works, complex access arrangements were required to facilitate works in a live hospital environment. Response and Rejoinder reports provided in adjudication. The amount in dispute was >£8m. *Solicitor: Brodies*

Hospital Extension and New Build - NEC3 Option A, England

Instructed as Quantum Expert to provide opinion on negligence allegations of an NEC Project Manager, matters of breach and assessment of damages aligned with legal opinion on causation. Issues in dispute included MEP services, data/BMS infrastructure, and internal finishes. Consideration of claims for negligence, reasonable skill, and care and contractual obligations of the PM. Provide expert opinion on methodology and conclusions drawn by opposing quantum expert. The amount in dispute was >GBP£5 million. *Solicitor: DAC Beachcroft.*

Public Health England Secure Site - Bespoke / NEC3, England

Appointed quantum expert, providing expert reports on various heads of claim by the M&E subcontractor. Claims included delay, disruption, COVID-19, and variation accounts. Appointed under three separate adjudications, providing expert reports and supplemental reports in adjudication. *Solicitor: HQ Law.*

Acute Hospital Construction - Bespoke Appointment, England

Provision of Quantum assessment in litigation for GBP£450 million new hospital facility. Identified and compiled claims up to GBP£20 million for MEP design-related issues and associated prolongation costs. Working with an extensive legal team (10+) consisting of QC, barristers, solicitors, and technical experts in preparation for litigation. Management of the client's commercial dispute team, gathering technical expert statements from 30+ design consultants across MEP disciplines to inform delay and quantum evidence. The amount in dispute was >GBP£90 million. *Solicitor: Sloan Plumb Wood. Barrister (QC) Atkin Chambers.*

Hospital Expansion - NEC3 Option C, Scotland

Assessment of NEC programme submissions in advance of commencing works, to determine compliance and relevance to the proposed works. Provided a report to assist the Client in agreeing the programme of works and associated preliminary costs. The amount in dispute was >GBP£2 million. *Solicitor: In-House Legal Counsel.*

Emergency Service Hub - NEC3 Option A, England

Provided Quantum opinion on the assessment of a contractor's final account, following termination of the main contract. Produced a quantum report for adjudication. Issues in dispute included procurement of M&E components, and valuation of unfixed materials and remeasurement of sub and super structure elements of the building. Interpretation of contractual provisions and project managers' assessment. The amount in dispute was >GBP£4 million. *Solicitor: Hill Dickinson.*

CIVIL INFRASTRUCTURE

Major New Port- FIDIC, England

Review of extensive claims up to £20m from supply chain in relation to enhancement and delay to civils design, including sheet pile quay wall and capping beam, earthworks and surcharge settlement, large diameter drainage and access roads. Determination of cause and effect for numerous events and associated impact on completion and cost. Full audit of supplier's accounts to determine permissible and compensable costs. Provision of final report to assist in settlement. The amount in dispute was £GBP30 million. *Solicitor: In-House Legal Counsel.*

Earthworks Remediation Scheme in England

Instructed as Expert in Quantity Surveying and NEC3 Project Manager to consider whether the Project Manager had been negligent in their performance. Project included 6 million m³ of material of various contamination levels, constructing screening earthwork bunds, structural platforms for subsequent building and disposal of sludge, leachate and other contaminants. Quantum assessment including consideration of baseline quantities verses actual quantities, methods of recording haul, treatment and placement of materials across numerous data sets to determine likely quantities completed. Amount in dispute was >£25m. *Solicitor: Eversheds Sutherland*

Public Realm Regeneration - NEC3, Northern Ireland

Instructed as Expert in Quantity Surveying and NEC3 Project Manager in Arbitration. Employer pursued recovery of over-certification of the works and the applicable compensation event value from the Project Manager, following liquidation of the Contractor, thus preventing the Employer from directly pursuing the Contractor. Providing opinion on valuation of compensation events (including time and money) and alleged Project Manager negligence in administering the compensation event provisions. Opinion provided in two expert reports and two joint statements in preparation for Arbitration. *Solicitor: Beale & Co. Barrister: 4 Pump Court.*

Major Tunnelling Project - NEC PSC, England

Provided expert quantum advisory notes on specific M&E and MEICA components for a major water tunnelling project. Included review of compensation events and associated delay and disruption, movement of key dates and completion. Rebuttal of multi-million-pound delay damages by reference employer events and risks. The amount in dispute was £GBP30 million. *Solicitors: In-house legal counsel and BLM.*

Bridge Refurbishment - NEC3 Option B, Scotland

Produce independent expert reports on time and cost provisions within the amended contract to determine method and application of compensation events under Option B, including determination of the dividing date and various submissions between the parties. Advise on PM assessments and strategy for adjudication of issues not yet agreed. Party representative in adjudication, advising on strategy; drafted the notice, referral document, reply, and surrejoinder; and provided opinion on various jurisdictional challenges for adjudicator consideration. Engaged legal opinion on some targeted legal issues and case law interpretation. The amount in dispute was <GBP£1 million. *Solicitor: Pinsent Masons.*

Street Lighting and Traffic Signal PFI, England

Identified and compiled a series of commercial claims, relating to breach of contract, interpretation of payment mechanism, and performance standard adjustment provisions for three PFI schemes consisting of 90,000 streetlights and traffic signal junctions. Drafted over 30 claims and submitted 28 claims with 9 referred to contractual adjudication for resolution. Working alongside legal counsel, to develop a number of claims for litigation. Participated in Mediation and structured negotiations to settle several claims. The amount in dispute was >GBP£60 million. *Solicitors: BLP and Pinsent Masons.*

Combined Rail / Tram Station Upgrade - Bespoke Agreement and ICE Target Cost, England

Appointed to provide independent assessment of claims and counterclaims relating to platform and network upgrades, revised track layout to a city-wide tram infrastructure project. Assessment of contractor claims at conclusion of the project, incorporating delay, disruption, prolongation, thickening, and acceleration aspects. Compilation of counter claims relating to defects, incomplete works, and delay damages. Participated in settlement discussions between the parties. The amount in dispute was >GBP£20 million.

Solicitors: Mills and Reeve and In-House Legal Counsel.

Major Highway Scheme – NEC4 Option A, England

Provided NEC4 expert advisory notes on two of three-phased road scheme. Compilation of major compensation events relating to deferment of piling works, sub-optimal seasonal shift in earthworks and impact on FRC, surfacing and landscaping works, and weather and ground conditions. Assessment included price escalation, productivity variances, prolongation, and disruption costs. Options presented in mitigation of risk and costs. The amount in dispute was GBP£5 million.

HS2 – Tunnelling Package - NEC3 Option C, England

Provide expert advice on conditions of contract, full contract review to determine the application of significantly amended payment mechanism, contractors gain share, schedule of cost components and compensation event provisions. Advice provided allowed my client to enter into contract negotiations with full knowledge of the risk profile, ensuring a balanced and informed negotiating position. Provision of ongoing support throughout the implementation phase.

Public Realm Regeneration Schemes - NEC3, England

Appointed as Project Quantity Surveyor to commercially manage a public realm regeneration framework in the North of England. This incorporated task orders for seven separate task orders ranging from GBP£1 million to GBP£8 million in value. Duties included commercial management of the works, including assessment and agreement of compensation events, engaging with the project manager in administering the contract, reviewing PMAs, risk register, KPIs, etc. Negotiation and agreement of compensation events and the final account.

Major Road Scheme - NEC3 Option C, Wales, England

The scheme consisted of design and construction of a new 5.3km single carriageway across a flood plain and SSSI site, comprising 8 road/rail bridges, and a 1km rail diversion. Commercial lead of a Joint Venture Commercial Team to deliver the scheme, incorporating management of the budget, forecast, and cash flow. Procuring and managing over 80 subcontract packages including sheet piling, structural steelwork, rail diversion and quarry blasting, assessment and agreement of change. Identification and compilation of Compensation Event quotations for delayed access and SU service delays requiring resequencing of works. Compilation and agreement of a prolongation claim, including preliminary thickening and apportioned concurrency assessment. Working closely with design partner to identify and specifically cost Value Engineering options equating to c.GBP£6 million.

Pedestrian Swing Bridge - JCT Management Contract, England

Project Quantity Surveyor on construction of a Swing Bridge spanning the Manchester Ship Canal at Media City. The project included technical aspects installing a sheet-piled cofferdam, heavy lifting, quayside strengthening and operating over water. Responsible for all commercial aspects of the project, including procurement, design partner interaction, value and change management. Disputes included silt levels, complex engineering on bridge masts and design liability with bridge pier plug, all resolved without escalation to formal dispute resolution.

POWER & ENERGY

Coal-Fired Power Station - Bespoke Appointment, Far East

Appointed within the Quantum Expert team in International Arbitration, under SIAC rules. Extensive claim and counter claim to review, costs to complete, delay damages, termination, preservation, and prolongation costs. Attendance at joint expert meetings and production of multiple joint expert reports with opposing experts. The amount in dispute was >USD\$2.5 billion.

Solicitor: Rybalkin, Gortsunyan, Dyakin and Partners.

Paper Pulp Mill - Bespoke Appointment, Finland

Appointed as Quantum Expert in Arbitration (FAI) to provide expert opinion on the veracity of a claim for the repair of weld defects in pressure vessels installed as part of a €3 billion process engineering project. The project included in-situ repairs of extensive defects, replacement of components and verification works, undertaken in adverse conditions close to the Arctic Circle. Assessment of time related costs, productivity benchmarking and allocation of costs against various liability issues. Comparison of resource costs across multiple currencies to align with the Parties various pleadings.

Solicitor: Roschiers.

400kV Substation in Scotland

Instructed as Quantum Expert in Adjudication to assess compensation event entitlement for changes in Works Information, alongside competing opinions on time from instructed delay experts. NEC3. Initial opinion required relating to the contractual provisions and the Contractors and Project Managers compliance with the provisions of assessment. Consideration of prospective and retrospective assessment methodologies and consistency of approach across various heads of cost. Assessment of direct works, prolongation and disruption costs flowing from the change in Works Information. Provision of three expert reports during an Adjudication.

Solicitor: Burness Paull

Offshore Windfarm - FIDIC, France

Independent review of contractor's claims associated with an offshore windfarm substation. Issues included late provision of design information, revised testing regimes and disrupted design approval process. Quantum assessment of delays to key milestones and sail-away dates for installation. The amount in dispute was >EUR€60 million. *Solicitor: In-House Counsel.*

Power Transmission - NEC3 Option C, England

Provision of expert quantum report for a counter claim in adjudication, with escalation to litigation, including reference to expert delay analysis and previous adjudication award. Inclusion of primary causes of delay, concurrency, contiguous effects and 'but for' tests. Benchmarking, measured mile outputs, and apportionment of resources for direct and consequential costs. The amount in dispute was >GBP£20 million.

Solicitor: Pinsent Masons.

Energy from Waste Plant - FIDIC, England

Provision of independent Expert Quantum report in response to substantial employer claims, including change of design, liquidated damages and professional negligence allegations. Reliance upon complex technical reports from numerous sources to allocate potential heads of cost. The amount in dispute was >GBP£10 million.

Solicitor: In-House Counsel.

Energy from Waste Plant - EPC Contract, England

Review of incoming claims relating to delay and disruption to turbine hall works. Providing factual response to allegations using contemporaneous records, programmes and settlement agreement to determine actual events

and culpability. Assessment of associated costs incurred and collation of a counterclaim. Collated full delay and disruption claim for site-wide issues, incorporating significant variations, settlement agreement and termination. Assisted the Contractor in adjudication in securing substantial sums for work completed. The amount in dispute was >GBP£5 million.

Solicitor: Charles Russell Speechlys.

Offshore Windfarm - FIDIC, Germany

Expert opinion on the veracity of contractor's claims for an offshore windfarm substation. Issues covered included change in MEQ layout and associated cabling and underperformance of third-party contractors, including the impact upon programme. Quantum assessment of direct costs of prolongation and alignment with delay analysis. The amount in dispute was >EUR€20 million. *Solicitor In-House Counsel.*

Site Remediation for a Power Transmission Project - FIDIC Silver Book - EPC, England

The scheme included remediation of an existing power generation site to facilitate construction of a 1000MW Interconnector project. Substantiated entitlement for several variations, including delay, disruption prolongation and EoT, arising out of restricted access and change in site conditions. This was aligned with the SCL's delay and disruption protocol on measured mile analysis. Preparation of a report to accompany legal counsel opinion. The amount in dispute was >GBP£3 million. *Solicitor: Beale & Co.*

Off-Shore Windfarm - FIDIC Red Book, Scotland

Production of a delay analysis report, working alongside a forensic planner to determine contractual obligations and culpability to allocate delay events. Determination of entitlement to extensions of time, prolongation costs and delay damages, to assist in settlement of a works package account. The amount in dispute was GBP£2 million. *Solicitor: In-House Counsel.*

DATA CENTRES

Data Centre - Bespoke Contract – VOB/B, Germany

Appointed as Independent Quantum Expert to identify and collate contract-specific claims and assistance with delay analysis. Interpretation and provision of contractual notices under German law and VOB conditions of contract working alongside German counsel. Advising board on strategy and presentation of claims to both parties' legal counsel resulting in amicable agreement of additional sums, additional work for follow on phases and retained client relationship. Lessons learnt sessions and commercial education of client's team to equip for future works. The amount in dispute was >EUR€15 million. *Solicitor: In-House Legal Counsel.*

New Modular Data Centres - Bespoke, International

Appointed as Quantity Surveyor to review and collate cost plans for deployment of modular data centres around the globe, for an International Data Centre company. Locations included the United Kingdom, Mainland Europe, Scandinavia, Africa, North and South America, the Far East, and the Middle East. Occasional site visits required to inform pricing assumptions and meet vendors. *Working alongside In-House Legal Counsel.*

New Port Data Centre- FIDIC, Middle East

Review of contract documents and extensive correspondence to determine scope of works and obligations of the parties. Provision of quantum advisory reports to assist in compiling claims against the employer and supply chain. Advice on correct interpretation of contract provisions and determination of precedent on legal issues alongside counsel. The amount in dispute was >GBP£3 million. *Solicitor: Addleshaw Goddard.*

WATER

Flood Defence Scheme - NEC3 Option C, England

Flood alleviation scheme comprising 2km of groundworks, drainage, sheet piling (procurement issues), concrete walls and capping beams. Dispute related to numerous compensation events for time and money. Repeated rejection of quotations and eventual PM assessment which was disputed. Provided advice on assessment of compensation events, interpretation of clause 62 programme impact and mechanism applicable under the contract. Report provided for use in Adjudication, but averted the need once submitted and discussed between the parties. The amount in dispute was GBP£6 million. *Solicitor: In-House Legal Counsel.*

Flood Defence Scheme in Scotland

Flood alleviation scheme comprising diversion of water courses, construction of spill ways, fish locks, attenuation and creation of flood plains. Dispute related to a failed employer design solution and disruption of the work sequence when rectifying. Works were delayed into winter period, resulting in loss of productivity due to daylight, weather and river levels. Consideration of the Contractors claim and Project Manager's assessment within expert report for adjudication. The amount in dispute was £2m. *Solicitor: Brodies*

Wastewater Framework - Bespoke Appointment, England

Provision of delay analysis and overlay quantum assessment for final account negotiations and adjudication. The framework totalled £850m with up to 20 separate schemes all contributing to a late complete date, increased costs, and potential delay damages. Assisted with the assessment of project-wide overheads, demonstrating entitlement against the various schemes of works. The amount in dispute was >GBP£100 million.

Solicitor: Fenwick Elliott.

Wastewater Project - IChemE (Burgundy) Target Cost Contract, England

Appointed to provide independent quantum assessment of numerous claims across multiple framework projects. Working alongside delay analyst to allocate time-related costs and determine critical path of works in relation to client changes. Collation of commercial claim narratives and claim packs for submission to legal counsel to assess legal merits and points of law. Collation of extensive contractual correspondence into bundles covering a wide range of topics which assisted in crystallising the respective parties' positions for determination of escalation and settlement. The amount in dispute was >GBP£10 million.

Solicitor: Berryman Lace Mawyer and In-House Legal Counsel. Barrister was Keating Chambers.

NUCLEAR & DEFENCE

Defence Scheme, England

Project Quantity Surveyor overseeing modifications to the Nuclear Core Facility as part of a UK Submarine building programme. Issues included technical solutions to align with the submarine programme of works. Matter was not escalated to legal.

Nuclear Decommissioning - NEC3 Option A, Scotland

Provided NEC3 expert opinion on contractors' compensation event quotations and PM assessments. Provided expert opinion on time impact of compensation events to planned completion. Provided advice on adjudication notice issues with jurisdiction and procedure. Acted as party representative to the respondent in two adjudications concerning assessment of compensation events under an NEC3 Option A contract. Provided advice and liaised with legal representative in drafting and agreeing a deed of amendment to the contract.
Solicitor: Devonshires.

Nuclear Decommissioning - NEC3 Option C, Scotland

Provided Expert Advisory services on the assessment of an NEC3 Option C disputed final account. Issues included Contractors share range, disallowed costs, outstanding works, defects, assessment of compensation events and administration of the contract, including Project Manager duties.
Solicitor: Burges Salmon.