

# Mark McTighe

MSc LLB (Hons) APM  
Senior Consultant



## Profile

Mark comes from a project controls background and has significant experience working on live projects in the aviation and rail sectors. Having previously worked with clients, consultants and main contractors, he has a keen understanding of the drivers that underpin successful outcomes for each party.

Prior to joining Tudor Rose, Mark held the position of Project Controls Lead for JV undertaking a large underground rail contract in central London. This role primarily consisted of producing period-end programme, cost, performance and risk deliverables within an NEC framework. In addition to these duties, he was frequently called upon to support contract change, disallowed cost and target cost negotiation.

Since joining Tudor Rose, Mark has been heavily involved supporting clients in maximising the value of their projects, including through adjudication proceedings. Mark has a detailed knowledge of all commonly used delay analysis methodologies and is able to quickly select the most appropriate to use given the circumstances of a dispute. Mark is also adept at undertaking forensic analyses of the available evidence which allows him to take a targeted approach on the causes of critical delay to a project.

Mark is highly proficient in the use of planning and project controls software including Oracle Primavera P6, Asta Powerproject, Deltek Cobra, MS Project, Enterprise Bentley and Cemar.

Mark is committed to continuing professional development, and in addition to his continuing membership of the Society for Construction law and the Association for Project Management, he will be undertaking the MSc Construction Law and Dispute Resolution at Kings College London from September 2021.

## Qualifications and Professional Membership

MSc	Project Management (Robert Gordon University)
LLB (Hons)	Scots Law (University of Dundee)
APM	Associate Member (PMQ)

## Career History

2021 to date	Senior Consultant at Tudor Rose
2019 - 2021	Consultant at Tudor Rose
2017 - 2019	Projects Controls Lead at a Main Contractor
2015 - 2017	Project Controls Engineer at a Major Construction Consultancy
2013 - 2015	Project Assistant at a Major Design Consultancy

## Assignments and Achievements

### Delay Analysis

- Critical analysis and review of Contractor's claim for extension of time on behalf of the Employer in an amended JCT framework. Production of an alternative position on behalf of the Employer using contemporaneous evidence to demonstrate Contractor's culpable delays.
- Preparation of compensation events encompassing time and quantum claims on behalf of a Contractor for use in negotiations with the Employer in an NEC framework. This included the production of position papers setting out the Contractor's position and presentation of the supporting delay analysis to the Employer on behalf of the Contractor.
- Production of a delay analysis report for a high-rise residential new-build project on behalf of an M&E Subcontractor. The report used a time slice windows analysis methodology, and involved significant validation and alternation to the baseline programme to ensure a realistic and achievable baseline from which to measure the delay. Delays were then apportioned between the main Contractor and Subcontractor.
- Preparation of a delay analysis report for a large highways project under an NEC framework on behalf of a contracting organisation. The report was based on a windows analysis approach, which involved a detailed analysis of the delay to the baseline programme and subsequent submitted programme with the aim of apportioning delay to compensation events. Integration of client's change account analysis into consolidated target cost submission encompassing both time and cost.
- Preparation of a delay analysis report for a contracting organisation as part of an adjudication under a JCT contract. The analysis was based upon an "as-planned v as-built" approach to defend a liquidated damages claim being made against the contractor due to delays to the project.
- Preparation of an extension of time report of behalf of a client organisation on an electrical substation development under an NEC framework. The project had suffered significant delay and the purpose of the report was to apportion the delay between the parties to assist the project team in fulfilling their obligations to make a change to the Completion Date under the contract.
- Production of a "as-built" programme on behalf of the Employer on a large fit-out project. This involved collation and analysis of a large volume of the information including baseline and progress programmes, meeting minutes and site reports, with the aim of assessing contractor's entitlement to extension of time under a JCT framework.

## Rail

- Project controls lead for a Joint Venture undertaking a programme of underground rail contracts in central London (value >£1bn). Accountable for period-end project controls deliverables, ensuring high standard of quality and compliance with client works information, and ensuring data is understood by client and internal stakeholders. Periodic (daily and weekly) reporting of project progress, liaising with project team to measure production performance against baseline and forecast quantities, as well as justifying variances and report corrective actions. Integration of resources and costs into Primavera P6 schedule.
- Worked closely with contractor's senior commercial staff to provide evidence to refute client's assessments of disallowed cost, with the aim of either having these deductions removed from the assessment or building a case for potential adjudication. Evidence provided through submitted programmes, planned v actual outputs, installation reports and site records.
- Played a key role for a contractor in contract renegotiations following major client-driven change. Produced evidence to back contractor's position on target costs and incentive milestone (dates and value) and produced profit model based on a range of projected schedule outcomes that demonstrated return based on turnover.

- Contract administration and control for a tunnels design contract as part of a large rail project (value £25m). monitoring project costs, preparing cost and progress reports and managing change within an NEC contract framework.

## Aviation

- Responsible for project controls on a programme of baggage system upgrades (value c£160m) at a major London airport. Assurance of contractor cost, schedule and risk deliverables. Ensuring contractor compliance with strict quality requirements and tight timescales and using EVM and critical path analysis to give early warning of non-compliance and opportunity for corrective actions.
- Integrating data from multiple suppliers into 6 integrated programme, completing updates within tight reporting timescales and maintaining both baseline and current programmes.
- Integration of IT projects into wider client portfolio through developing scalable methods for accurately measuring cost and schedule performance on IT projects to drive resourcing and benefits decision making. Working collaboratively with IT and technology suppliers and project teams to develop processes that fully integrate costs, schedules and risks into construction projects.
- Responsibility for systems integrity between client and consultant cost management software ensured timely and accurate transition of information from excel working files to Deltek Cobra cost system and Primavera P6 planning system.

## Contact Details

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