



QUANTUM  
GLOBAL  
SOLUTIONS

Experts

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Quantum Global Solutions is a global independent construction support consultancy. We are dedicated to supporting the construction industry by assisting in the management of projects and by helping to avoid disputes. British founded and managed, we partner with many leading contractors, lawyers and employers around the world.

To support our global clients, we are proud to introduce our Expert Team, comprising experienced and qualified professionals.

We have drawn together a team of qualified and accredited staff with extensive international experience in dispute resolution, specifically in arbitration, adjudication and mediation, leveraging their hard earned on-the-job experience in construction and project management and provide clients with a multi-skilled resource, well suited to contentious construction matters.

The team of practicing arbitrators, adjudicators, mediators and testifying expert witnesses, assisted by knowledgeable and proactive support staff, are ready to provide support to you with your dispute.



Operating throughout the MENA region, Asia, UK/Europe, Africa, Australasia, USA, Canada and South America, our experienced teams provide contractual, commercial and planning support to subcontractors, contractors and employers. We have specific expertise in forensic delay analysis, matters of quantum and the preparation of submissions for resolution of construction claims and disputes.

Quantum Global Solutions is regulated by the Royal Institution of Chartered Surveyors (RICS) and is committed to setting and upholding the highest standards of excellence.

## Providing a Winning Service

Parties collaborate on construction projects to create something unique but change is inevitable along the way, time becomes critical and costs increase. Where there is change, disputes unfortunately do arise and our Expert Team provides a proactive approach to assist clients in managing disputes either through avoidance and/or amicable resolution.

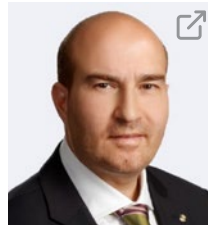
## Meet the Quantum Expert Team



**Dr Abdulrahman  
Othman Al Saleh**  
Technical Expert and  
Board Member



**Dr Nabil Abbas**  
Testifying Expert/Arbitrator



**Moneer Khalaf**  
Testifying Expert/Arbitrator



**Andrew Woodward**  
Testifying Expert



**Gordon Tregaskis**  
Arbitrator/Expert  
Determination



**Elio Al Tannoury**  
Expert Support



**Andrew Fallon**  
Testifying Expert



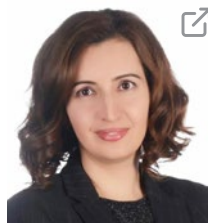
**Lucia Vernon**  
Expert Support



**Michael Davies**  
Expert Support



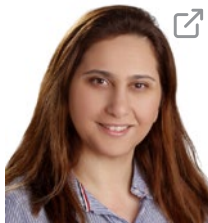
**Dean Packer**  
Expert Support



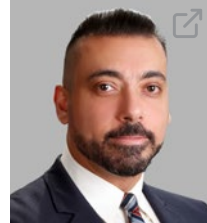
**Ruba Gharabieh**  
Expert Support



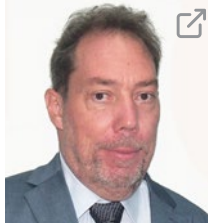
**Fatina Hassan**  
Expert Support



**Duna Al Ramahi**  
Expert Support



**Asem Shakhtour**  
Expert Support



**Adam Clements**  
Expert Support



**Liam McVeigh**  
Testifying Expert



**Sean Vernon**  
Expert Support



**David Lomax**  
Expert Support



**Alex Voight**  
Testifying Expert



**Hussain Chizari**  
Expert Support



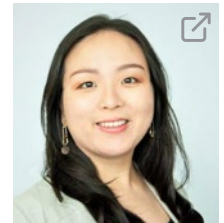
**Paresh Pindolia**  
Expert Support



**Ali Haydar Firik**  
Expert Support



**Oscar Martinez**  
Testifying Expert



**Min Xiang**  
Expert Support

Drawing on many years of international experience, as well as recognised international Alternative Dispute Resolution (ADR) accreditation, our team is able to advise on contractual matters and dispute avoidance techniques. These skills are especially valuable, not only during the tense times when relationships between parties start to deteriorate into a dispute, but also during key phases through the initial procurement of a project. Dispute avoidance starts with an 'eyes open' approach to contract risk.

Whilst focusing on amicable solutions and dispute avoidance, we recognise that it may not be possible for differences to be settled amicably by the parties. To help secure economic resolution, the Expert Team is also here to provide our experience with other forms of dispute management, ADR, mediation and expert services.

Drawing on the skills developed from their experience in construction management and project delivery, the Expert Team offer a focused approach based around:

- Specialist knowledge and experience with key disciplines, construction trades, contract forms and deployment of contract management techniques.
- A deep understanding of the impacts on cost and time arising from the management of key disciplines and construction trades.
- Provision of integrated teams of engineering, contract and delay specialists, allowing us to combine specialist expertise to provide a single comprehensive solution.
- Deployment of modelling techniques and 4D media to develop simulations of the time and spatial issues that may be at issue.
- Deployment of a computer modelling and simulation techniques (System Dynamics Modelling) targeting and quantifying the resource consumption arising from the effects of disruption.

## Dispute Management Support

When a significant issue escalates into a formal dispute, the Expert Team can assist in preparing or defending the case. No project budgets resource hours for disputes - the budget was only intended for the execution of the works, so where there is a need for additional specialist resources, our team can support and supplement the client's, focussing on identifying and managing the significant issues, to help prepare and present them in a manner suitable for tribunal. In particular, we can provide the appropriate level of expertise at the right time to act as the technical interface to support and complement the legal team and the client personnel closely involved with the dispute.



## Expert and Litigation Support

Led by our Global Technical Director, Andrew Woodward, the Expert Team is able to provide qualified expert services and litigation support from experienced and focused teams. The Expert Team can provide technical experts with extensive experience in the construction field, to help a party with preliminary expert support in the preparation of their dispute or with support through litigation processes.

In particular, Quantum can provide assistance with:

- **Team Workshops** – fact finding and strategy workshops to help a party to understand the nature of the dispute and to help develop strategies for the framing of claims. Help with the provision of neutral guidance on matters to assist the party in developing realistic objectives on the merits of particular claims.
- **Risk Review** – Assist a party to develop realistic reviews of risk, both in terms of the merits of claims but also the merits of the other party's counterclaims. In particular, help a party to identify and determine levels at which to offer settlements.
- **Litigation Support** – provide a technical interface between the party and his legal team. In particular, help a party and the team present their technical arguments in clear and simple terms to court appointed experts at litigation.

## Tribunals and Expert Determination

Drawing on the experience of our experts and practicing arbitrators within our team, the Expert Team can provide independent neutrals to preside with Expert Determination or sit on tribunal panels. With Expert Determination in particular, the Expert team can facilitate the parties, allowing them to make representations and document submissions, ultimately on a route to securing a non-binding, cost effective and impartial settlement of their quantum, delay and contract matters.

## Expert Witness

With a core team developed from individuals possessing extensive hands-on construction experience, Quantum can provide technical specialists able to provide expert opinion at international arbitration. Drawing on the experience of our practicing expert witnesses, particularly at international arbitration under ICC rules, Quantum can provide expert reports, joint reports and testimony at cross examination in connection with:

- **Quantum** – evaluation of claim and counterclaim costs.
- **Delay** – evaluation of the extent of delay and probable causes of delay within periods in dispute.
- **Construction Management** – provide opinion on construction management issues and techniques, particularly involving issues around the administration of Joint Ventures.
- **Technical** – provide particular technical opinions for selected fields of expertise, For example 'Architectural Design'.

# Global Operations

Our dedicated team of construction professionals work in many of the world's major capital cities in the MENA region, Asia, Europe, Africa, Australasia, USA, Canada and South America meeting our client's requirements and providing local experience and global knowledge.



Anywhere you need our support.

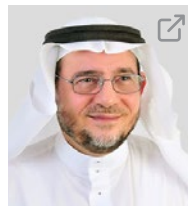
## Meet our Saudi Arabia team



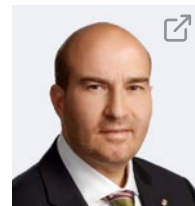
**Peter Murphy**  
Managing Director



**Dr Abdulelah Othman Al Saleh**  
Technical Expert and Board Member



**Dr Nabil Abbas**  
Testifying Expert/Arbitrator



**Moneer Khalaf**  
Regional Director MENA



**Lucia Vernon**  
Regional Director



**Michael Davies**  
Country Director



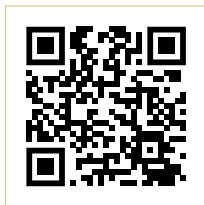
**Elio Al Tannoury**  
Country Manager

Quantum Saudi Arabia



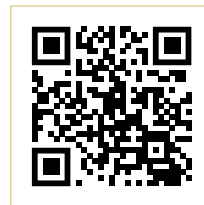
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Construction Support Consultancy