

**Sijo Joy, B.Tech, LLM, MCI Arb,
RICS Registered Expert Witness**



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Consultancy**

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Senior Consultant

Qualifications:

- **LLM in Construction Law and Arbitration**, Robert Gordon University (2020)
- **B. Tech in Civil Engineering**, Mahatma Gandhi University, 1999

Certification:

- RICS Registered Expert Witness
- Legal Experience Training Advance Professional Award in Expert Witness Evidence

Professional Membership:

- Member of the Chartered Institute of Arbitrators (MCI Arb)

Profile Summary:

Sijo Joy is a Civil Engineer with over 23 years of international experience in construction and engineering projects.

Specialised in construction project management, construction delay and disruption analysis, litigation and arbitration support. Experience consulting on infrastructure, transportation, educational, commercial, hospitality, residential, oil and gas and industrial facilities construction projects. In addition, analysed and prepared construction claims for complex construction projects in the Middle East.

Commenced career in 1999 as a Site Engineer. In 2004, relocated to the Middle East, and since then, have balanced time between executing complex projects for major contractors and working for consultancies on dispute resolution work

EXPERIENCE

EXPERT WORKS

Lead Assistant to Defendant's Delay Expert for a dispute on an AED 680 million speciality hospital in Dubai, United Arab Emirates. The project took over double the planned duration and was delayed due to design and construction deficiencies. The primary aim of the expert work was to provide the Parties with an assessment of the dispute's time and cost.

Assistant to Defendant's Delay Expert on a 10.75 km new freeway project in Qatar. The dispute between the Parties was limited to the electrical cabling works on the project. The difference in opinion between the delay experts was considerably reduced in the arbitration process, which included multiple joint reports.

Assistant to Claimant's Delay Expert on a luxury resort hotel destination on the Palm Dubai Crescent in UAE. The dispute between the Parties was limited to certain MEP packages on the project. The arbitration process is currently ongoing.

Assistant to Defendant's Delay Expert on a combined cycle power plant project in Riyadh, KSA. The dispute between the Parties was limited to the delays on certain parts of the power plant, which were delayed beyond the agreement date. The arbitration/negotiation process is currently ongoing.

REPRESENTATIVE ENGAGEMENTS

Oil & Gas

Engaged as Delay Analyst on a \$143 million gas field development project in Oman. The project scope included from design to the initial operation of the gas field. The project got delayed due to unexpected site conditions, making it difficult for the contractor to commence the design works. The commissioning of the gas field was further delayed due to the additional works instructed. Tasks included preparing a delay analysis for the EOT claim, including demonstrative evidence and supporting graphics to explain the complex delays, thereby protecting the client from potential liquidated damages.

Power & Utilities

Engaged as Delay Analyst for the MEP works of two 132/11kV substations in Dubai, United Arab Emirates. The projects suffered significant delays due to the economic slowdown, and the MEP contractor had to continue the works in a slow pattern, thereby incurring losses. Tasks included assessing the delays to both substations and preparing the delay analysis to help the client recover its losses.

Engaged as a Site Engineer on a \$17 million pipeline project. The project belonged to the Federal Electricity and Water Authority (FEWA) of the United Arab Emirates and used ductile iron and asbestos cement pipes for potable water. The project spanned over the three emirates of the United Arab Emirates and had pipe connections to many water tanks. Tasks included managing the project's day-to-day activities, including planning the works, maintaining quality records, and estimating the quantity of work for billing purposes.

Buildings

Engaged as Delay Analyst on a \$680 million iconic museum in Abu Dhabi, United Arab Emirates. The project was delayed due to multiple complex issues, including design changes and administration and construction deficiencies. The project was built in water and had floors below sea level. In addition, the project involved a dome structure that required specialist sub-contractors. Tasks included preparing a delay analysis for the EOT claim preparation of demonstrative evidence with supporting graphics to explain complex delays to the respective parties.

Tasks included preparing schedule risk assessments for two housing projects in Saudi Arabia, located in Dammam and Jeddah. The contractor had signed up to construct 1750 no of villas with ARAMCO. However, the contractor was facing financial losses due to the delays in site handover from the client.

Tasks included preparing a disruption analysis for the MEP subcontractor on the world's tallest building, Burj Khalifa, Dubai, United Arab Emirates. The analysis was mainly for the later part of the project, where other finishing trades obstructed access to work.

Engaged as Delay Analyst for the construction works on the Headquarters of a government entity in Dubai, United Arab Emirates. The project constituted an 8-floor building with security devices and multiple data networks.

Engaged as Delay Analyst for the façade and glazing works of the Conference Center at King Abdullah Financial District, Riyadh Kingdom of Saudi Arabia. The project delays had a contribution from both the client and the contractor. Therefore, the delay analysis had to address and quantify the delay impacts of both parties separately.

Engaged as a Planning Engineer with Dutco Balfour Beatty, which involved constructing the \$1.5 billion Dubai Mall project. The Dubai Mall had an approximate floor area of 1,000,000 m². The project can be summarised to 3600 piles, 660,000 m³ of concrete, 270,000 m² of hollow block, 290,000 m² of false ceiling, 13,000 Ton of structural roof steel, 38,000 m² of precast facades, 32,000 m² of curtain walling, 37,000 m² of cladding, 220,000 m² of marbles, 16,000 car park space, 134 elevators and escalators and 80 nos. of public toilets. In addition, the project included a district cooling plant, an ice rink, an entertainment area for kids and an aquarium. Tasks also included assisting the claims team as a forensic planner. After the partial handover, the claims team had to investigate the causes of delays and their actual impact on project completion.

Engaged as a Planning Engineer with Pauling Middle East. Involved in preparing the contractual schedule (commonly known as Clause 14 programme or Baseline) for an accommodation complex in Port Rashid, Dubai, United Arab Emirates. The \$272 million project constitutes a male and female accommodation complex, multipurpose halls, an underground water tank, a heat exchange plant and a mosque. Tasks included setting up the planning and reporting systems on the site with the client and the Engineer's coordination.

Engaged as a Planning Engineer with the Pauling Middle East. Involved in constructing 132 no villas in the prestigious Palm Jumeirah, United Arab Emirates. Responsible for the planning tasks on the \$54 million portion of the main contract. The project had mainly two types of villas, but in 5 to 6 different styles. Tasks included supporting the claims team on the same project as a forensic planner.

Infrastructure

Engaged as Delay Analyst to the main contractor of a \$4 billion airport terminal building project in Abu Dhabi, United Arab Emirates. The project included completing the terminal building, external works, and various other buildings required for a modern airport. The project was delayed due to multiple complex issues, including design changes and administration and construction deficiencies. Tasks included assisting the main contractor with independent assessments of numerous Subcontractor disputes and offering further support for the disputes that escalated to litigation and arbitration.

Engaged as Delay Analyst for the \$90 million MEP works on Jeddah metro station, part of the Haramain High-Speed Railway network in Saudi Arabia. The work scope was limited to the MEP works on the Project. The project was delayed due to multiple complex issues, including design and construction deficiencies. Tasks included preparing a schedule delay analysis for the EOT claim, including demonstrative evidence with supporting graphics to explain complex delays to concerned parties.

Engaged as Delay Analyst on a foundation development project. The foundation works supported a 15-floor residential building, a 14-floor hotel building and a 14-floor furnished apartment building in Downtown Dubai, United Arab Emirates. The project was delayed due to multiple complex issues, including design and construction deficiencies.

Engaged as Delay Analyst to provide independent assessment for the delays faced to the infrastructure works on the Al Reem Island located in Abu Dhabi, United Arab Emirates. The project suffered significant delays, which were caused by improper dewatering practices. The primary task was to do an independent delay analysis to validate the contractor's claims.

Engaged as Delay Analyst to the main contractor's works on the Abu Dhabi Air Base project. The project involved the construction of air hangers in Abu Dhabi, United Arab Emirates. The contractor utilised Primavera Project Management (P6). Tasks involved preparing an EOT claim using the methodology stated in the contract.

Engaged as Delay Analyst on the \$400 million MEP works on the Dubai International Airport Expansion. Tasks involved the review of the MEP contractor's Baseline Schedule and provided the client with recommendations regarding the schedule's accuracy while using different delay analysis methodologies.

Engaged as Site Engineer on a \$3 million highway construction that connected the airport and the seaport at Cochin, a coastal city in India. Tasks included managing the road's quality aspects, which used rubberised bitumen as a wearing coat. Another task was supervising the implementation of ISO 9001-2000 QMS quality procedures at different site locations

Process & Industrial

Engaged as Delay Analyst on a specialist communication system for a government entity in Dubai, United Arab Emirates. The project involved the coordination of multiple government entities for successful implementation. The project was delayed due to multiple complex issues, including design changes and administration deficiencies. Tasks included preparing a delay analysis to support the contractor's EOT claim.

Engaged as Delay Analyst on the construction of a Polyethylene factory in Dammam, Saudi Arabia. The project comprised pipelines, pipe racks, and structural and mechanical works for various factory units. The project delay was mainly caused by the multiple revisions to the engineering drawings, which changed the pipe routes and added new support structures within the factory.