



FORENSIC ENGINEERING EXPERTS

2021-2023



INDIA | UAE | OMAN | QATAR | KUWAIT | KSA | UK | SINGAPORE

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FORENSIC ENGINEERING EXPERTS

Engineering and construction arbitrations are technically complex and often require forensic engineering experts i.e, technical experts with expertise in niche engineering domains.

Masin offers specialist technical expert services. The experts are highly regarded within their sector and have many years' experience as an expert and in the industry.

AREAS OF TECHNICAL EXPERTISE MASIN HAS BEEN INSTRUCTED ON



- Acid Pump Engineering
- Bridge - Structure
- Desalination Index Issues – CPIs & Methodology
- ERP Software – SAP
- Gas Turbines
- Geotechnical Expert
- Heating, Ventilation and Air conditioning
- Health and Safety Expert
- Jetty Engineering
- LNG Expert
- Mold Expert
- Material Engineering
- Mechanical Engineering
- Naval Architecture Expert
- Pre-fabricated Building Structures
- Power Plant Index Issue
- Tracks Design and Structure Expert
- Sanction Expertise
- Solar PV Module Expert
- Steam Turbine Generator
- Steel Pricing Expert
- Structural Design Expert
- Structural Defects Expert
- Techno Hydro Expert
- Tunnel Ventilation Expert
- Vessel Engineering Expert



REPRESENTATIVE EXPERIENCE IN ARBITRATION



OIL & GAS EXPERIENCE

- Appointed as a technical expert to opine on the issues concerning Engineering, Procurement, Fabrication and Supply of the Gas Turbine Compressors Equipment Packages for a LNG terminal project.
- Acted as technical Expert opine on technical specifications of the equipment involved LNG project which falls under the recent EU/US sanctions imposed on Russia.
- Acted as respondent's technical expert for assessing the salvage value of a chimney stack package between a major power EPC contractor and a German manufacturer.
- Appointed as the technical expert on a gas pipeline project to opine on the pipeline route and the technical condition of a compressor station.
- Acted as claimant's technical expert for a shipping company and bunker fuel supplier related to the quality of the fuel supplied and its deviations from the specification.
- Acted as technical expert pertaining to defects in engineering and design of cross-country pipeline project transporting gas. The work involved hydraulic analysis of the pipeline capacity and pressure drop calculations.
- Acted as a technical expert to assess the disruption of changes in the mechanical and piping engineering/design/site instructions on the construction work for one of the biggest oil & gas projects in Kuwait.
- Acted as a technical expert on naval architecture issues for FPSO. The dispute involved assessing the design of the FPSO and its approval by the statutory authorities.
- Acted as a technical expert to assess the impact of temporary power on the commissioning of a full field development project.
- Acted as a technical expert in Asia's biggest Petrochemical project on the unforeseeable ground condition claim wherein, the open-cut foundations were converted to piling foundations.
- Acted as technical experts to quantify the manhours spent for a dispute between a National Oil Company and its Engineering consultant for a mega FPSO project. The work required an assessment of the engineering activities including engineering drawings and reports.
- Acted as technical expert in LNG Project on defects pertaining to liquefaction and compression systems.

REPRESENTATIVE EXPERIENCE IN ARBITRATION



POWER & RENEWABLE ENERGY EXPERIENCE

- Claimant's Geotechnical expert for 220 KV Over Head Transmission Line in Georgia. The Claimant is one of the biggest OHL contractors related to power and energy. The dispute was related to unforeseeable ground conditions.
- Respondent's Solar PV Module Expert for ICC Arbitration regarding a dispute between an India-based major international contractor and a Qatar-based solar energy fabrication firm for a Solar Power Cell Project in Qatar.
- Acted as the Respondent's Independent Technical Analysis expert in SIAC arbitration for a Hydroelectric Power Project in India. The project scope included the development and installation of two units with a capacity of 50 MW each. The dispute was a shareholder dispute and MASIN provided the essential inputs for the valuation of the plant and its generating capacity.
- Acted on behalf of the world's biggest wind Turbine manufacturer as an expert in shareholder disputes related to long-term supply agreements of wind turbines.

INFRASTRUCTURE EXPERIENCE

- Acted as Technical structural expert for an arbitration matter related to a highly confidential defense project between Employer and contracting JV.
- Acted as Technical Expert to the Government of India for a road infrastructure project under BIT Arbitration to opine on Structural defects.
- Acted as structural engineering expert pertaining to the failure of a newly constructed bridge.
- Acted as Technical Expert in shareholder dispute for BOT road project. The dispute was on the attributability of damages on the road.
- Acted as a technical expert for a low-cost housing project in Srilanka. The dispute required assessing the damages to construction or maintenance.
- Acted as Tunnel ventilation expert to opine on TVF impeller bolting defects for international arbitration.
- Acted as HSE/Technical expert for overhead line transmission project, wherein, the dispute was pertaining to stringent HSE conditions and technical issues pertaining to OHL construction/engineering.

REPRESENTATIVE EXPERIENCE IN ARBITRATION



BUILDING

- Acted as MEP technical expert for a dispute related to MEP works in 30 storied building in Qatar. The work also required providing an opinion on the punch lists, statutory approvals etc.
- Acted as Fire expert related to the fire safety of an external façade of the building.
- Acted as technical expert on a 5-star hotel project in Africa which was shut down owing to Molds.

OTHERS

- Acted as Claimant's construction and financial expert for an LCIA arbitration between the shareholders resulting from Force Majeure conditions for a five-star hotel project in India. One of the parties was a major USD 10 billion Indian group and the other was a private international equity investment company.
- Acted as Respondent's technical ERP Expert (SAP) for an arbitration between the government and Contractor JV for an Oil & Gas condensate field.





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