

## CV

### Delay Expert



Dr. JOHN LANCASTER

### Qualifications

Ph.D. Project Schedule Optimisation  
M.Sc. in Engineering Management  
Engineers Certificate of Competence – Mechanical  
National Diploma Mechanical Engineering  
CEng, Engineering Council, UK  
CPEng, Engineers Australia  
CSci, Science Council, UK  
EurIng, FEANI  
National Engineering Register (NER) Australia

### Memberships and Associations

FIMechE  
FIED  
FIMMM  
FACostE  
MIEAust  
MAE

### Contract Experience

EPC, EPCI, EPCM, PMC, T&I, FEED

### Publications

Numerous publications in International and Professional Journals relating to aspects of planning and delays analysis

### Sector Experience

Energy  
Marine  
Mining  
Oil and Gas  
Process and industrial

### Geographic Experience

Africa  
Americas  
Asia Pacific  
Europe  
Middle East

## Key Facts

- Chartered Mechanical Engineer (UK, Europe & Australia) and Chartered Scientist
- Over 30 years of industry experience in Oil & Gas and Mining & Metallurgy
- Wide international experience
- Specialist in delay analysis
- Extensive live project experience as Project Manager & Project Controls Manager.

## Summary

John is a Chartered Mechanical Engineer with over 30 years of experience spanning roles from a full mechanical apprenticeship, Design Engineering, Project Management, Project Controls, Planning, General Management, and Consultancy as a Delay Analyst including provision of Testifying Expert Witness Services.

John's Oil & Gas experience covers: LNG (Liquefaction and Regasification), FLNG, LPG, Refineries, FPSO, Semi-Submersibles, Platforms, Jack-ups, Pipelines, Terminals and Exploration Drilling.

John's experience in Oil & Gas and Mining & Metallurgy is extensive and he has lived and worked in Europe, Africa, the Middle East, Asia, US and Australia.

## Sector Experience (Recent Expert Apointments)

### Oil and Gas

- Appointed as Expert witness in delay on behalf of a Middle Eastern Energy Ministry in relation to a multi-billion dollar LCIA in connection with the construction of an LPG facility.
- Expert Witness in Delay Analysis for an ICC Arbitration relating to Subsea Pipeline fabrication instructed by Hogan Lovell International.
- Expert Witness in Delay Analysis for a matter before the Supreme Court of Singapore instructed Eldan Law.
- Appointed as Expert Witness on a matter of Delay relating to an Exploration Drilling project in West Papua under SIAC rules in Singapore. Instructed by Rajah & Tann.
- Appointed as Expert Witness on a matter of Delay relating to a Jack up vessel refurbishment, under Singapore Law. Instructed by Watson Farley Williams, Matter Settled prior to hearing.
- Appointed as Expert Witness on a matter of Delay for a Malaysian Client. Initial advice report prepared.
- Numerous Delay Claims Prepared and rebutted on behalf of Contractors (EPC & EPCM) and Owners (IOC, NOCs etc.) on LNG, FLNG, FPSO, Jack Up, Refinery, Pipeline, Terminals, etc.

## Energy

- Provision of Expert advice relating to delays suffered by a subcontractor on a 2X400MW combined cycle power station.
- Expert Witness on delay analysis for a matter of SoP Adjudication relating to a co-generation power plant. Required both a written submission and oral presentation to the Adjudicator.

## Mining and Metallurgy

- Appointed as Expert Witness in Delay in relation to a SIAC arbitration on a major Australian Iron Ore project.

## Infrastructure

- Provision of Expert Witness Services including Expert testimony, on Delay analysis for an Arbitration in Dubai, UAE, instructed by Wong Partnership. Client received full award.
- Provision of Expert Witness Services including Expert Testimony on Delay analysis for an Arbitration at the KLRCA instructed by Zul Rafique and Associates.

## Publications

- Lancaster J, (2013), *Dealing with Concurrency in Extension of Time Claims*, Construction Law Digest.
- Lancaster J, (2011), *Identification of Redundant Logic in Project Schedules through the Application of Graph Theory*,
- Lancaster J, (2010), Developing a Master Programme,
- Lancaster J, (2010), The Use of Risk Analysis Techniques to Evaluate Potential Delay Claim Outcomes,
- Lancaster J and Cheng K, (2008), Project Schedule Optimisation using a Genetic Algorithm approach,
- Lancaster J and Cheng K, (2008), Optimisation Of The Hydro-testing Sequence In Tank Farm Construction using an Adaptive Genetic Algorithm with Stochastic Preferential Logic,
- Lancaster J and Cheng K, (2007), Balancing Global Project Resources utilising a Genetic Algorithm Approach with Stochastic Resource Assignments,
- Lancaster J and Cheng K, (2007), Toward the Application of Genetic Algorithms to Real World Resource Constrained Project Scheduling Problems
- Lancaster J and Cheng K, (2007), A Fitness Differential Adaptive Parameter Controlled Evolutionary Algorithm with Application to the Design Structure Matrix,
- Lancaster J and Ozbayrak M, (2007), Evolutionary Algorithms applied to Project Scheduling Problems: A Survey of the state-of-the-art
- Lancaster J, (2003), Managing Iteration in Design,

## Academic Roles

- **Dissertation Supervisor for Master of Science Student**, MSc in Oil & Gas Engineering, Brunel University, UK, 2015.
- **Adjunct Professor**, Department of the Built Environment, Curtin University, Perth, Western Australia, 2011 – 2014.
- **Examiner for Master of Business Administration Student**, Pretoria University, South Africa, 2009
- **Supervisor for Doctor of Philosophy Student**, University of Jadvapur, India. From 2010 ON HOLD

## Societies

- Member of the Society of Petroleum Engineers (Singapore Branch)