

THOMAS R ROBB

Geoffrey Hunt & Partners | The Heath Business & Technical Park | Runcorn | WA7 4QX
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SUMMARY

Consulting Forensic Engineer specialising in mechanical engineering and materials failures.

ACADEMIC AND PROFESSIONAL QUALIFICATIONS

BEng (Hons) Honours Degree in Mechanical Engineering
Liverpool John Moores University, Liverpool - 2011

IEng MIMechE Institution of Mechanical Engineers
Awarded October 2015

EMPLOYMENT HISTORY

Geoffrey Hunt & Partners | Consulting Engineers & Scientists
Associate | March 2018 to present

Consulting Engineer specialising in: all aspects of mechanical engineering failure investigations such as water escapes, component failures and personal injury claims for both private and commercial clients. Specialisms include general mechanical engineering, mechanical fastenings and fittings, plumbing fittings, internal combustion engines, agricultural plant, amusement devices, high voltage cables and fibre optics. Fully conversant with court procedures and experienced in giving oral evidence in court.

Finch Consulting | Consulting Engineers
Consultant | October 2016 – March 2018

Consultant investigating Mechanical Engineering failures and providing expert and CPR Part 35 compliant reports for Insurance and Legal clients on subjects including but not limited to:

Personal injury due to fence failure - preparation of engineering evidence and appearance in court as an expert witness.

Quantum Assessment for an insurance client following a cable theft.

Asset Management consultancy on large asset management projects including the construction and commissioning of an energy to waste recycling facility.

Extensive involvement with leading business development of Finch's services to the insurance and legal sectors.

Dr J H Burgoyne and Partners | Consulting Scientists & Engineers
Associate | July 2015 – August 2016

Associate Forensic Engineer investigating Mechanical Engineering failures, and providing detailed expert reports for Loss Adjusters and Solicitors on subjects including, but not limited to:

Explosions in an engine testing dynamometer cell due to vibration caused by poor design.

Power generation engine component failure due to lubricating oil degradation as a result of poor servicing intervals.

Hydraulic oil degradation on agricultural plant due to water contamination.

Escapes of water associated with plumbing and fire suppression systems. The causes for these escapes have included Water Hammer, Stress Corrosion Cracking (SCC) and poor workmanship.

National Grid Plc

Numerous roles - August 2009 – July 2015

Technology Applications Engineer for HV Cables R&D projects

Managed projects including:

Mobile dielectric oil regeneration vehicle (£800k spend), an award-winning project.

Cable efficiency R&D with University of Southampton, reducing cable project costs by a third through better utilisation of up and coming technologies.

Revision and creation of electricity transmission technical specifications and policy documents, more specifically as an example; The Distributed Temperature Sensor (DTS) specification and cable system decommissioning policy. Involving multiple suppliers and stakeholders, both internal and external. Driving technical innovation through effective and targeted R&D to impact system specifications, assist capital investments and asset management methodologies.

T-Pylon Project Development Engineer

Developed thinking around heavy plant requirements, engaging with designers, suppliers and technicians to find key needs and appropriate, efficient, cost effective solutions

Gas Distribution Operations

Supporting senior management with performance management, issuing and monitoring management instruction, providing performance metrics and improvement incentives.

Undertaking site audits, making sure gas equipment return depots are in line with regulations.

Generator and Asset Compliance

Compiled wind farm compliance reports, outlining the details of different wind farm generation through the United Kingdom.

Witnessed compliance testing at two wind farms, allowing them to generate electricity on to the National Grid.

Gas Energy Management

Worked with researching bodies (Newcastle University) looking at Unaccounted for Gas (UAG). Implementing data mining software to identify data trends and possible causes to UAG. Project successfully implemented, uncovering a source of unaccounted for gas.

ADDITIONAL INFORMATION

Mr Robb is experienced in the preparation of detailed illustrated reports for litigation on behalf of Insurers, Loss Adjusters and Solicitors and has experience of giving expert evidence in Court.

He has delivered lectures on Forensic Engineering to technical colleges and the Institution of Mechanical Engineers.

Mr Robb has commented on draft IEC standard, 60794-5-10 "Blown fibre optical cables for directly buried applications".