CURRICULUM VITAE



NAME	**PETER DAVID LUMLEY**	
NATIONALITY:	British	
AGE	73	
QUALIFICATIONS:	BSc	Bachelor of Science (2.1 Hons) in Mechanical Engineering
	C. Eng	Chartered Engineer
	M.I Mech.E	Institute of Mechanical Engineers
	Euro Ing	Euro Engineer
	ASABE	American Society of Agricultural and Biological Engineers

Registered as an Expert with the Expert Witness Institute and the UK Register of Expert Witnesses.
Assurety witness training level I (2026).
Bond Solon training as a joint single expert.
Bond Solon training in giving evidence in court.

SPECIALISATION:

-Mechanical Design, Engineering, Quality Control and Operational Safety in the manufacturing industries.
-Plant and equipment valuation.
-Significant expert witness experience in UK High Court and the International Court of Arbitration on over 90 cases and giving oral evidence 40 times, including “hot tubbing”.

EXPERIENCE:

Manderstam International Group, London (MIGL) -Consulting Engineers

1988 to present	Technical Director
1984 - 1988	Project Manager
1981 - 1984	Project Engineer

Head of the Engineering Design Group of industrial and process engineers providing support services for engineering in the manufacturing industries. Group provides problem solving 'think tank' to overcome production and cost bottlenecks and detailed design and specification of production equipment and tooling.

Specialisation in flexible manufacturing techniques, 'Just-in-Time' work in progress, computer aided design and CNC, tooling and manufacture, Quality Control and Assurance requirements to ISO 9001 and assessment of product design and manufacture in respect to assessment of "fitness for purpose". Also provides plant and machinery valuations.

Since 1995, has provided technical expertise to the Juran Institute specialising in the “6 Sigma” process improvement methodology in manufacturing industries.

1979- 1981 **APV Company Limited, West Sussex**
(Manufacturers of large air-cooled heat exchangers, finned tube pipes, aluminium extrusions and sheet metal products for the food and process industries).

Production Engineering Manager responsible for a team of three engineers and 15 craftsmen. Responsibilities included the design, specification and purchase of all new machine tools and the design and manufacture of jigs, tools and fixtures (welding, press tools, extrusion dies and cold rolling), planning and training cost estimates.

Research and development of new manufacturing processes, including the complete design and commissioning of an electrophoretic painting plant as used in the automobile industry.

1976-79 **UK Ministry of Defence - Royal Ordnance Factory, Leeds (Military Vehicle Production)**

Manager CAD/CAM/CNC machine tool section, responsible for production programming and IT support for all automated machine tools for armoured steel (high nickel alloy steels) and armoured aluminium.
Member of British Standards Institute (BSI) committee on CAD/CAM/CNC machine tools.

1975-76 **UK Ministry of Defence - Military Vehicles Engineering Establishment, Chertsey, Surrey**

Project Engineer on the research, design and development of the Challenger Main Battle Tank. Worked in the project team developing the power train

(Leyland and Rolls-Royce diesel engines), fuel and cooling systems.**UK Ministry of Defence - Graduate Apprentice**

Initial training and experience as graduate apprentice trainee with the Ministry of Defence (MOD) and the Royal Ordnance Factory (ROF) Leeds after winning MOD university scholarship. Work in computer aided. machine tool section at main production factory for Chieftain main battle tanks.

Examples of Relevant Operational Plant and Equipment Design:-

2025	Conducted site survey and prepared an expert report on the operational performance and efficiency of a woodchip drying plant, Norfolk.
2025	Review and give opinion on in relation to the failures of an anaerobic digestion plant, Kent.
2024-25	Review and prepare a report on the design of a new processing facility for the production of a feed additive for cattle known as Bovaer on behalf of the main design contractor, BakerHicks Ltd
2024-25	Review and opinion on the rupture and damage to the Nord Stream pipelines in the Swedish and Danish sectors of the Baltic Sea. Instructed by Nord Stream AG.
2024-25	Review and prepare a report on the failure of the fuel system to and fire at the CHP unit at the West Cumberland Hospital.
2024	Review of design and failure of new gas supply and boiler plant at Allergy Therapeutics, Worthing.
2023-24	Technical review and opinion in regard to the operation and maintenance of the Praxair degreasing line at its Weston-Super-Mare facilities. Instructed by Rolls-Royce, Derby.
2021-22	Prepared expert opinion and gave evidence on a patent on the design and operation of “hot bolting” of piping on behalf of Hydratight, UK Ltd to meet ASME B16.5 and general industry standards.

2021-22	Prepared expert opinion on design and operation of pipeline pigs for gas and liquid pipelines on behalf of a pipeline pig manufacturer in relation to a patent infringement case. Instructing solicitors McFarlanes LLP, London.
2021-22	Prepared expert opinion on behalf of Linde plc in respect to pressure vessel compliance to Pressure System Safety Regulations 2000, designed to BS EN 13445 and ASME VIII.
2020-22	Prepared a review of operating scenarios for the steam reforming process at the Shell Moerdijk Lower Olefins Plant in the Netherlands.
2018/19	Technical audit of facilities including use of CHP steam and power generation at the soda ash plant, Nantwich on behalf of Tata Chemicals Europe Ltd.
2018/19	Prepared engineering expert advice on coolant/lubricant emissions and designing use of total enclosures during CNC machining of aluminium and steel products following HSE improvement notices.
2012-14	Prepared expert report on the design and operation of a chemical etching line for automobile aluminium castings on behalf of Electromechanical Supplies Ltd following a fire at Howmet Ltd. Instructing solicitors: Kennedy's, London.
2012	Prepared expert report on pneumatic hoist which fell leading to personal injury to operative. Instructing solicitors DWF Manchester.
2010-12	Prepared expert report and **gave evidence** on the failure of an access platform in boatyard leading to personal injury. Instructing solicitors DWF, Manchester.
2012	Prepared expert report on high-pressure screed pump which failed, causing personal injury to operative. Instructing solicitors Stewarts Law, London.
2009-10	Investigated design and material non-compliances in design and supply of 100 ball valves (6 inch through 20 inch) for four (total 1400 MW) HRSG steam boilers

	(steam pressure 104 bar, temperature 565° C) dual fuel natural gas/fuel oil supplied by NEM, Holland for the Dubai Electricity and Water Authority Power and Desalination Station (phases I and 2). Work included FMEA (failure mode and effects analysis) and compliance with ISO 9002 procedures of non-destructive testing of castings for valve bodies
2008-2010	Prepared expert report on the design and manufacture of TAV level switch in respect to its alleged failure leading to the explosion at the Buncefield terminal in December 2005 and the major claim of £700 million as third-party in the commercial litigation against Total. Following exchange of expert reports, TAV were dropped from the litigation with payment of costs. Instructing solicitors Halliwells, London.
2008-09	Prepared expert report of a high-speed aluminium rolling mill and investigated damage arising out of the fire arising from the rolling oil/water lubricant. Instructing solicitors Kennedys, London and DWF, Manchester.
2004	Prepared single joint expert report the following inspection and testing of a Wetrok floor cleaning machine and door mat at the entrance to Simsbury's Supermarket, , Basildon. Instructing solicitors Messrs Blatchfords, South Harrow.
2002	Prepared expert report following inspection and testing of a swing door and door closing mechanism at the main entrance to the Tanbridge House School, Horsham. Instructing solicitors Messrs Winsor Bronzite, Southampton.

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RECENT EXPERIENCE IN MACHINERY EQUIPMENT AND PLANT VALUATION:-

2025	Prepared expert report and valuation of fixed assets and stock of a sheet metal factory producing coloured steel and aluminum sheeting for the building industry. Instructing solicitors: Berry Smith LLP, Cardiff on behalf of the Welsh Government.

2018	Prepared expert report and **gave evidence** at ICC hearing in Paris on valuation of process equipment in the manufacture of seamless pipe for the chemical industries. Instructing solicitors: Charles Russell Speechlys LLP
2017	Valuation of over 100 variation claims on behalf of the JGCS Consortium, in respect to the NSRP new refinery in Vietnam.
2015-2016	Carried out site survey, review of design and construction records and prepared expert report on design defects, delay and valuation of a new pharmaceutical plant in Kent UK. Instructions from the owner GW Pharmaceuticals and Keating Chambers.
2014-15	Review and prepare report on the efficacy of the specifications / designs produced by HEC in relation to M+W's Work Package for the anaerobic digestion (including acid scrubbers and odour control).
2014-15	Prepared expert report and quantum analysis on 3-D piping design and stress analysis work on a topside skid on behalf of Schlumberger. Instructing solicitors: CMS Cameron McKenna LLP.
2013-2014	Instructed by the International Court of Arbitration to give independent expert opinion and gave evidence to the Tribunal in respect to quantum and valuation on process and mechanical engineering issues at an LDPE plant in Germany.
2011-13	Prepared quantum and valuation report of like-for-like replacement of the machinery regarding Owners claims for £63 million for rebuilding one of the largest confectionery factories in UK following a major fire. Instructed by Eversheds, London.
2011/12	Prepared expert reports and **gave evidence** at the International Court of Arbitration on EPC project cost estimates and valuation of design and construction changes in respect to a 1,060 Mt/day nitric acid and ammonium nitrate plant in Egypt on behalf of the Owner. Instructed by White and Case, London.

2010	Prepared expert report on breakdowns and quality control on a continuous plastic strapping line at BS Eaton, Wolverhampton. Instructing solicitors Mills and Reeve LLP, Birmingham.
2008-10	Preparation of the basic design, including preparation of basic specifications for all packaging equipment for a 20,000 tonnes per annum citric acid plant in Saudi Arabia.
2008-09	Prepared expert report on quantum and valuation of a high- speed aluminium rolling mill and investigated damage arising out of fire that occurred during rolling. Instructing solicitors Kennedys, London and DWF, Manchester.
2005	Undertook plant and equipment valuations at 24 manufacturing companies in Kosovo on the behalf of the EU in preparation for large-scale privatisation tenders. Companies range from hot and cold strip mills, fabrication shops, plastic injection moulding companies, anodising and finishing plants, machine shops to flour mills and food processing companies.
2005	Preparation of valuation of cement process plant and packaging lines in Sudan on behalf PKF accountants.
2002	Preparation of reports on soya bean crushing equipment in Saudi Arabia.
1999-8	Project Director - Techno-economic and pre-investment study for the Eritrean government on the potential of table salt sector to be modernised to meet projected domestic demand and be able to penetrate world markets project including the specification of all packaging machinery equipment.
1997	Prepared technical report on the processing and packaging machinery of date dibis and date honey.
1996	Prepared technical Studies on the machinery for the sterilisation and bottling of Sparkling Mineral Water.
1995	Prepared technical specifications for the machinery for packaging tomato paste and citrus fruits in Zimbabwe.

1993	Preparation of specifications for the machinery for packaging of margarine and ice-cream in Saudi Arabia
1993	Project management of new $50M vegetable oil refinery in Damman, Saudi Arabia including design approvals and site supervision for machinery for a vegetable oil bottling line
1992-1993	Slovakia and Hungary Potato processing and agricultural plant micropropagation including the specification all packaging machinery equipment
1992	Technical, market and economic feasibility study of an industrial scale penicillin plant in the Philippines.including packaging machinery equipment for capsules and tablets.
1991	Technical, market and economic feasibility study of a multi-purpose chemical synthesis plant in the Philippines including packaging machinery equipment for capsules and tablets.
1988 - 1990	Technical, economic and market feasibility studies on behalf of the World Bank. - - Techno-economic Feasibility Study on Proposed Expansion of a Vegetable Oil and Soap Plant at Appiah-Menka Complex Limited, Ghana. - Techno-economic Feasibility Study on Pharmaceutical Manufacturing Plant for Intravenous Infusion Solutions and Automatic Packaging Systems at Oron, Akwa and Ibom State, Nigeria. - Paper Packaging at Highland Paper Mills, Eldoret, Kenya. - Pharmaceuticals at Pharmivoire Limited, Abidjan, Cote d'Ivoire. - Cardboard Packaging at Bucklips Packaging Limited, Aura, Ghana. - Latex Rubber Gloves and packaging at Tulip Industries Limited, Abidjan, Cote d'Ivoire.

OTHER FOOD PROCESSSING :-

1992 - 1993	Slovakia - Agricultural micropropagation unit for potatoes
1991-1992	Poland Single cell protein production of animal feeds
1992	Saudi Arabia - Food presentation
1991 - 1992	Poland - Single cell protein production
1991 - 1993	Ireland - Single cell protein production
1990	Ghana - Vegetable oil processing
1989	Ghana - Jute processing
1989	China - Citric acid and lactic acid production
1989	China - Flax processing
1989	China - Enzyme production

Other information:-
Spent six years motor racing (1988-1993) developing Cosworth powered BDR race engine, fuel and cooling systems.

EXPERT WITNESS EXPERIENCE

2024-26	Prepared expert opinions, undertook finite element modelling, expert reports and **gave evidence** in April 2026 in relation to materials science and damage assessment to the 48 inch subsea Nord Stream pipelines in the Baltic following the explosions in September 2022. Instructing solicitors, Herbert Smith Freehills Kramer LLP.
2025-26	Prepared an expert report and **gave evidence** including on the design and construction variation claims for a biomass CHP plant at Boston on behalf of the contractor Galiford Try. Instructing solicitors, Pinsent Masons, Manchester
2020-24	Prepared expert reports and **gave evidence** at an International Arbitration in Paris in July 2022 and October 2024 on design and construction defects on a world scale ammonia and urea plant. Instructing solicitors. Instructing solicitors, Shearman & Sterling LLP, Paris and Gaillard, Baifatemi, Shelbaya Disputes, Paris.
2020-2023	Prepared expert reports and joint expert memorandum regarding damage to processing equipment and piping to caustic corrosion and process review of operating scenarios for the steam reforming process at the Moerdijk Lower Olefins Plant in the Netherlands. Instructing solicitors: Clausen Miller, London.
2021-2023	Prepared expert report and **gave evidence** at the on the scope of the contractor`s EPC work for wellheads, flow lines and central processing unit for gas and oil in Tunisia on behalf of the contractor's consortium. Instructing solicitors: Aglionby ADR, London.
2021-22	Prepared an expert report and **gave evidence** (October 22), including hot tubbing, on the design and construction variation claims for a biomass CHP plant at Hull on behalf of the contractor Galliford Try. Instructing solicitors, Pinsent Masons, Manchester.
2021-22	Prepared expert report and **gave evidence** on the design and commissioning of test rigs for flexible subsea

	piping between subsea equipment such as wellheads and plans and floating production, storage and offloading facilities. Instructing solicitors Haynes Boone LLP, London.
2021-22	Prepared expert opinion on design and operation of pipeline pigs for gas and liquid pipelines on behalf of a pipeline pig manufacturer in relation to a patent infringement case. Instructing solicitors McFarlanes LLP, London.
2021-22	Prepared expert report and **gave evidence** on a patent on the design and operation of "hot bolting" of piping on behalf of Hydratight, UK Ltd to meet ASME B16.5 and general industry standards.
2022	Expert opinion regarding the cause of the explosion and fire at National Petroleum Industrial Company's propylene polymers plant at Yanbu, Kingdom of Saudi Arabia, on 2 October 2018. Instructions Tecnimont S.P.A., Italy.
2022	Gave expert advice in relation to a biomass CHP plant at the design, construction and commissioning of both an Anaerobic Digestion plant and an Energy from Waste gasification plant at a new waste disposal facility known as the EcoPark at Charlton Lane, Shepperton, Surrey. Instructed by Gowling WLG (UK) LLP, Birmingham.
2021	Prepared a preliminary expert report on design and operating/contamination issues at a plant to convert biomass (oils and fats) into biodiesel via transesterification at a biofuel plant at Immingham docks on behalf of Greenergy. Instructing solicitors, Kennedys, London.
.2021	Provided expert advice on the design and construction variation claims for biomass CHP plant at Glasgow on behalf of the contractor Interterve. Instructing solicitors, CMS, Glasgow.
2021	**Gave evidence** at a retrial at the UK Crown Court on criminal proceedings on behalf of the SFO (Serious Fraud Office) regarding design and purchasing oil facility equipment in Iraq

2020	Prepared expert report on installation, alignment and piping for two MAN Turbo compressors at Stublach Gas Storage facility, Northwich, UK. Instructing solicitors, Hill Dickinson LLP, Liverpool.
2020	Prepared expert report on chemical cleaning and internal preservation of piping systems at Stublach Gas Storage facility, Northwich, UK. Instructing solicitors, Hill Dickinson LLP, Liverpool.
2020	Prepared expert report on the fitness for purpose, claimed remedial works and delay of process and bottling equipment for syrup products. Instructing solicitors DAC Beachcroft LLP, Newcastle upon Tyne.
2020	Prepared expert report on supply and manufacturing costs of biocide (9.9% concentration of Alkyl C12–16 Dimethylbenzyl Ammonium Chloride (BAC)). Instructions from Wet and Forget Ltd.
2019-20	Prepared expert report and **gave evidence** on behalf of the SFO (Serious Fraud Office) at UK Crown Court criminal proceedings regarding design and purchasing oil facility equipment in Iraq.
2018-2019	Prepared expert reports and **gave evidence** in ICC hearing in Dec 19 in New York on design defects for an LNG plant and LNG storage for two LNG trains to be operated at Rumuji, Nigeria. Instructing lawyers FREEHILL HOGAN & MAHAR LLP | BAKER BOTTS LLP, New York.
2019-22	Prepared expert report and **gave evidence** at the Mediation on the scope of the contractor`s EPC work for wellheads, flow lines and central processing unit for gas and oil in Tunisia on behalf of the contractor's consortium. Instructing solicitors: Decimus Fearon LLP, London.
2019-21	Prepared expert report and **gave evidence** to ICC hearing on the design and supply of a CHP plant including GE gas turbines to Russia. Instructing solicitors Freshfields Bruckhaus Deringer, London and Paris.

2019	Prepared expert report on the design and supply of a CCGT plant including Siemens gas turbines in Georgia on behalf of Iveria Energy (Netherlands) BV. Instructing solicitors Kinstellar, Kyiv, Ukraine.
2019-20	Prepared expert report and **gave evidence** on the mechanical design of anaerobic digestion, pasteurising tanks and heaters and a waste to biogas plant in UK. Instructing solicitors Reynolds Porter Chamberlain LLP (RPC), London.
2019	Prepared expert report as an expert adviser on the design of a enzyme production plant in UK. Instructing solicitors Weightmans LLP, Newcastle, UK.
2019-20	Prepared expert report on design and construction defects of a 100,000 m^3 gasometer on behalf of Motherwell Bridge Cape. Instructing solicitors: Clyde & Co.
2019	Prepared expert report on design and construction defects of new diesel storage tanks and facilities at Boots, Nottingham. Instructing solicitors: Womble Bond Dickinson (UK) LLP.
2018-2019	Prepared expert report on loss of electrical power and shutdown at Stanlow Oil Refinery on behalf of Schneider Electric. Instructing solicitors: Pinsent Masons.
2018-2020	Prepared expert report and **gave evidence** on the manufacture of aluminium profiles. Instructing solicitors Osborne Clarke LLP, Bristol.
2018	Prepared expert on the design and construction of gas pipeline in Northern Ireland on behalf of the contractor. Instructing solicitors A&L Goodbody, Belfast.
2018	Prepared expert report and **gave evidence** at ICC hearing in Paris on quantum/valuation of process equipment in the manufacture of seamless pipe for the chemical industries. Instructing solicitors: Charles Russell Speechlys LLP.
2016-2017	Prepared expert reports and **gave evidence** (including "hot tubbing") on the design, materials and

	construction of oil and gas piping systems on behalf of the owner, Kuwait Oil Company (KOC) under an ICC Arbitration. Instructing solicitors: Holman Fenwick Willan LLP (hfw) London.
2017	Prepared expert reports and **gave evidence** on the design defects, materials and construction of a plastic PET (Polyethylene terephthalate) manufacturing plant at Teeside on behalf of EP contractor, Uhde Inventa-Fischer GmbH under an ICC Arbitration. Instructing solicitors, Norton Rose Fulbright LLP.
2016	Prepared expert report and **gave evidence** on construction defects and remedial works on an EPC contract for the construction of a new LPG plant in Algeria on behalf Saipem Contractors, France. Instructing solicitors Gide: Loyrette Nouel A.A.R.P.I. Parris.
2014-2016	Prepared expert report and **gave evidence** at the International Court of Arbitration on behalf of the contractor in regard to alleged design and construction defects in an EPC contract for an offshore gas processing plant and gas pipeline in Rwanda. Instructing solicitors: Dentons UKMEA LLP.
2014/15	Prepared expert report and **gave evidence** on process and mechanical design defects and construction on a sour gas LPG processing plant and sales gas pipelines in Iraq. Instructing solicitors: Wilmer Cutler Pickering Hale and Dorr LLP
2014/15	Prepared expert report and analysis on 3-D piping design and stressing on a topside skid on behalf of Schlumberger. Instructing solicitors: CMS Cameron McKenna LLP.
2015/16	Carried out site survey, review of design and construction records and prepared expert report on design defects, delay and valuation of a new pharmaceutical plant in Kent UK. Instructions from the owner GW Pharmaceuticals and Keating Chambers.
2014/15	Prepared expert advice on the design and construction of PTA (pure terephthalic acid) production plants in China. Instructing solicitors: Smyth & Co, Hong Kong.

2014/15	Prepared two expert reports on design and defects on waste treatment plants including bioreactors, scrubbers and waste water treatment technology (SPR, MBBR, MBR) in in a combined waste heat power generation plant in Sussex.
2014/15	Preparation of expert report on investigation and analysis of problems with the EPC contractor in achieving steam cleaning of high-pressure steam pipe work in a combined waste heat power generation plant
2013-2014	Instructed by the International Court of Arbitration to give independent expert opinion and **gave evidence** to the Tribunal in respect to quantum and valuation on process and mechanical engineering issues at an LDPE plastics plant in Germany
2013/14	Prepared expert report on design, construction and commissioning issues in relation to ash waste disposal at a major power generating station in Serbia on behalf of the contractor, Clyde Bergemann, Germany. Instructed directly by Clyde Bergemann.
2012/13	Prepared expert reports and gave evidence on construction and commissioning defects on a 400,000 tpa LDPE plastics plant on behalf of SABIC (Saudi Arabian Basic Industries Corporation). Instructed by Dickinson Dees Newcastle..
2012/13	Prepared expert report for Lytag Aggregates in respect of a claim against a consulting engineer in respect to the design and project management of a process plant using waste material feed (fly ash) from a power station at Drax UK. Instructed by Pinsent Masons, Glasgow.
2011-13	Prepared quantum and valuation report of like-for-like replacement of the machinery regarding Owners claims for £63 million for rebuilding one of the largest confectionery factories in UK following a major fire. Instructed by Eversheds, London.
2011/12	Prepared expert reports and **gave evidence** at the International Court of Arbitration on EPC project cost estimates and valuation of design and construction changes in respect to a 1,060 Mt/day nitric acid and

	ammonium nitrate plant in Egypt on behalf of the Owner. Instructed by White and Case, London.
2010	Prepared expert report on breakdowns and quality control on a continuous plastic strapping line at BS Eaton, Wolverhampton. Instructing solicitors Mills and Reeve LLP, Birmingham.
2009	Prepared expert report on the quality of manufacture and fitness the purpose of large stainless steel strainers for gas pipelines. Investigations required metallurgical examination and review of production processes to ISO 9001 procedures. The failure of the strainer lead to £2 million damage of a large gas compressor. Instructing solicitors Berrymans Lace Mawer, London
2008	Prepared expert report on the quality of manufacture and fitness for purpose of stainless steel Jaguar fuel tanks in respect to a £500,000 claim against the stainless steel supplier. Investigated failures of deep drawing process undertaking FMEA (failure mode and effects analysis) and compliance with ISO 9002 procedures. Prepared expert report including metallurgical examination, and gave evidence at mediation. Instructing solicitors DLA and Cobbetts Birmingham.
2009	Prepared expert report on the quality of manufacture and fitness for purpose of alloy steel valves. Investigations required metallurgical examination and review of production processes to ISO 9002 procedures. Instructions received directly from NEM, Holland.
2007	Prepared expert report and gave evidence on the quality of manufacture and fitness for purpose in respect to a £200,000 claim from the purchaser against a manufacturer of a potato harvester. Instructions received from Freeth Cartwright, Manchester and Gross and Co, Bury St Edmunds.
2006-2007	Prepared expert reports and gave evidence at the International Court of Arbitration on behalf of the Government of Jordan in successfully defending claims valued at around $80 million from AMEC and pursuing counterclaims for $56 million on equipment defects. in

	the manufacture of magnesium oxide from brine. Instructing solicitors; Mayer Brown Rowe and Maw, London.
2006	Prepared expert report on mechanical equipment failures at the production line for Triumph Motorcycles following a major fire caused by design failures. Instructing solicitors, Greenwoods, London.
2001-05	Prepared expert reports and gave evidence on the failure mechanical equipment and PVC pipe failures in the storage system for concentrated hydrochloric acid (HCL) at Jersey power station due to incorrect design selection and quality control by design and installation contractor. This led to a spillage of HCL causing £1 million consequential damage. Instructions received from GAB Robins, London.
2004	Prepared expert report on pipe threads and threading machines and material specification in respect to the manufacture of alleged pipe bombs in Northern Ireland.
2003	Prepared an expert report and gave evidence on the equipment failures for a 2.3 MW power generation facility. (Instructing solicitors Rawlison and Butler, Crawley.)
2000-01	Prepared an expert report and gave evidence on the mechanical equipment failures on behalf of I. S. A. B. (Italy) in the International Court of Arbitration in defence of a $80 million claim brought by Foster Wheeler and Snamprogetti regarding the design, construction and commissioning of an integrated gas combined cycle power plant in Sicily (Instructing solicitors Clifford Chance, Paris)
2000	Prepared an expert report and gave evidence as a single joint expert for Apple Engineering and Pacmatec in relation to a £20,000 dispute on design of tooling for a food packaging production line. (Instructing solicitors Shoosmiths and Sandersons)
1999	Prepared Expert report on the Owners's claim for lack of performance of tooling for crushing salt on a food processing plant.

1999	Prepared Expert report and gave evidence for Mixamate Holdings Ltd in respect of their successful claim against insurers (£30,000) for a piping failure. (Shadbolt & Co instructing solicitors, Reigate).
1998	Prepared expert report for London Pumps UK Ltd in respect of their successful claim against a design contractor for failure of a piping and heat transfer system at Johnson and Johnson, Portsmouth. Value of claim £200,000 (McNulty & Co, Basingstoke instructing solicitors).
1998	Prepared expert report and gave evidence to the International Court Of Arbitration on behalf of NOY Vallesina Spa (Italy), a Contractor, in their successful defence of a $20M claim by the Owner in respect to the mechanical performance of equipment required to manufacture Vitamin C. (Berwin Leighton, London instructing solicitors).
1995-1996	Prepared expert report for Total Oil in their successful defence of £4.5M claim by BP over mechanical failure of a turbo expander machine at St Fergus Natural Gas Plant. (Denton Hall, London instructing solicitors).
1990	Prepared evidence for ARCO (Atlantic Richfield) in defence of failure of mechanical equipment at an oil refinery. (McKenna & Co, London instructing solicitors).
1989-1990	Prepared Expert Report for Wimpey, as Contractor, in their successful defence of a £6M claim by Texaco, the Owner, relating to design of pressure vessels and mechanical failure of a vacuum loading system for catalysts at the Pembroke refinery. (Reynolds, Porter Chamberlain, London instructing solicitors).