

Eur Ing Colin Craney BA (Hons) BSc (Hons) LLB (Hons) MSc LLM MBA CEng CMgr FCIBSE FCMI FCI Arb CMIOSH



Colin is a Lift and Escalator Consultant, Expert Witness and Forensic Engineer, Consulting Engineer, Safety and Health Practitioner, Mediator, dispute resolution professional and Management Consultant based in the Midlands.

Chartered Engineer and European Engineer. Fellow of the Chartered Institution of Building Services Engineers. Chartered Safety and Health Practitioner and Member of the Chartered Institution of Occupation Safety and Health and Accredited Consultant registered with the HSE Occupational Safety and Health Consultants Register (OSHCR) to provide professional advice in relation to Health and Safety. Colin holds a professional qualification as a Barrister having completed the Bar Vocational Training and been called to the Bar by the Honourable Society of the Middle Temple, though he does not practise professionally as a Barrister. Fellow of the Chartered Institute of Arbitrators and Accredited Mediator in relation to the Mediation and resolution of commercial, construction, engineering and maintenance contract and lease related disputes. Chartered Manager and Fellow of the Chartered Management Institute.

Lift Engineering Experience

45-years' experience in the lift industry, joining Otis Elevator Co in 1978 and completing the EITB Lift Engineering Training programme.

Thereafter Colin worked with Otis as a Lift Service/Repair Engineer, gaining extensive practical experience in the field of lifts, escalators, moving-walks and paternosters, and in the management of maintenance services.

In 1988 Colin moved to a commercial position in Otis undertaking the preparation and negotiation of lift and escalator maintenance contracts and repair and modernisation projects. Experience included customer liaison, cost estimating and surveying and assessment of lift and escalator equipment including aspects of performance, condition, life expectancy and compliance with regulation, engineering and health and safety standards.

In 1994 Colin moved to a position in Otis Modernisation Operations, undertaking the negotiation of multi-million-pound lift and escalator modernisation and replacement projects. Duties included the management of major customer lift and escalator maintenance portfolios, site and equipment survey, the determination of appropriate design solutions, cost estimating, compliance with engineering and health and safety standards and the preparation and submission of tender proposals. The role included review and analysis of client/consultant design specifications, contractual

Overview of Experience

Extensive experience and knowledge, both practical and theoretical, of current and historical UK lift industry designs, operating practises and management processes. A wide knowledge of UK, European and international lift and escalator safety codes, standards and statutory requirements.

Colin undertakes expert witness appointments in Regulatory and Civil cases and in Coroners Courts on behalf of claimants, defendants and enforcement authorities and Coroners. Colin practises in Arbitration, Adjudication, Mediation and Expert Determination, and as a negotiator in relation to the resolution of contract, commercial, construction, insurance and landlord and tenant disputes. Colin has investigated and/or advised in relation to hundreds of accidents, engineering failures, contract disputes and regulatory and management matters.

Project and contract management experience includes CDM 2015 Principal Designer; high-rise and multi-unit new-build installations; replacement installations in existing buildings, more often in occupied premises and involving complex design, installation, planning and management competencies; and major modernisation projects involving both lifts and escalators, again in occupied and operational premises.

Specialist skills in relation to the restoration of historic and architecturally valuable lift installations, formulating modernisation solutions such that these may be returned to use whilst retaining the original aesthetic, and applying modern technology in a sympathetic manner in order to achieve an agreed level of regulatory compliance to meet modern safety standards.

Provision of training in relation to lift and escalator technology and engineering; contracts; contract and project management; EH&S management; UK and EU Regulation including the Lifts and Machinery Directives; industry health and safety requirements; incident and accident investigation; and the management and resolution of disputes.

Areas of expertise and interest include the EU Lifts and Machinery Directives; law and regulatory compliance in the lift industry; health and safety in the lift industry; competition and intellectual property law; accident, incident and failure investigation; failure analysis at component and system level; and dispute resolution.

Colin has advised enforcement authorities, Coroner's court and private and corporate organisations, in relation to lift and escalator accidents affecting members of the public and employees. Colin has provided advice to public and private sector clients, and to civil courts in relation to lift and escalator related procurement, construction and maintenance disputes.



and technical matters, and contract negotiation to financial close and lift contracts to £3M value.

In January 2004 Colin joined Dunbar & Boardman as an Elevator & Escalator Consultant. Responsibilities included lift and escalator maintenance portfolio management for UK and international clients.

Additional responsibilities included incident and accident investigation, expert witness reports and court work, dispute resolution, health and safety consultancy, management consultancy, equipment survey and condition reporting, project management, contractor management, equipment design assessment, regulatory compliance assessment (Lifts and Machinery Directives, PUWER and LOLER, MH&SWR, Workplace Regulations and CDM Regulations), Authorising Engineer under NHS HTM08-02 and Principal Designer under CDM 2015.

Colin has an extensive experience of escalator engineering, including failure and accident investigation, preparation of designs and installation and site planning.

Extensive experience in the design and construction of heavy-duty freight lifts, including power truck loading, bi-parting door systems and the interface with manufacturing and production systems.

Experience of working throughout the UK & Northern Ireland, Republic of Ireland and in the major EU states.

Dispute resolution experience in cases (litigation & ADR) ranging from £1,500 up to €180M including PFI contract hand-back condition & quantum.

Qualifications

- EITB Lift Engineer Craft Training J5 and J25
- NALM/LEIA BTEC Units 1 – 12 Lift and Escalator Engineering Modules
- BTEC Continuing Education Certificate in Lift & Escalator Technology
- BSc (Hons) Engineering & Materials
- LLB (Hons) English Law with Commercial and Employment Law
- BA (Hons) Combined Social Sciences (Economics)
- Postgraduate Diploma in Manufacturing: Management & Technology
- MSc Lift Engineering
- LLM Health, Safety & Environmental Law
- MBA General Management
- Barrister and Bar Vocational Course
- Diploma in Arbitration
- CI Arb Accredited Mediator
- CI Arb Construction Adjudication Training
- Postgraduate qualifications in Forensic Engineering, Health & Safety, Environmental Management and Quality Systems

Colin has advised clients in relation to the regulatory compliance of lifts, escalators and machinery and in disputes between clients and contractors and enforcement authorities.

Colin is experienced in relation to the preparation of lift, escalator and machinery procurement and maintenance contracts, including customised maintenance contracts for specific business sectors, particular operational requirements and in relation to high-risk environments. Experienced in the application of voltage optimisation systems, and in energy and sustainability in relation to lifts, escalators and machinery. Experience in relation to Landlord & Tenant disputes, including noise claims, lease compliance, dilapidations and accessibility under the Equality Act.

Extensive experience of applying engineering, management and maintenance solutions in the manufacturing, retail, hotel and hospitality, offshore engineering, energy and utilities, food manufacturing, transport, housing, care and health sectors.

Experience in the design and management of the replacement of direct acting lift hydraulic jacks and of assessing corrosion risk in relation to such designs.

Experience in the preparation and implementation of coordinated work schedules and safe systems of work in relation to electric traction and hydraulic lift installations, group lift systems, large capacity freight lifts and escalators.

Colin authors the topical column 'The Consultant's Voice' in the lift industry magazine Elevator World UK.

Colin has been an End Point Assessor under the CIBSE Apprenticeship Scheme since its inception in 2019.

Experience in various fields including:

- Capital Projects
- PFI Contracts (Condition, Hand-back & Quantum)
- Maintenance Management
- Dispute Resolution
- Problem Diagnosis
- Contract Preparation & Negotiation MF1/JCT/NEC
- Regulatory Compliance
- Accident/Failure Investigation
- PUWER/LOLER/MH&SWR/CDM Regulations
- Lifts & Machinery Regulations

Strengths and Skills

- Understanding of legal concepts relating to engineering design, compliance and practice
- Extensive understanding of Regulation & safety relating to the lift, escalator & machinery sector
- Trained in the various aspects of ADR
- Innovative & adaptable in terms of problem solving
- Experienced in handling complex, contentious & emotive situations & appointments