

## CV for Alan Groves - 1<sup>st</sup> February 2011

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Born: 17th January 1951

Education: Rutlish Grammar 1962 - 1967

9 GCE passes 'O' level  
University College Hospital Medical School  
Obtained HND medical sciences  
Diploma for Business Management (first year)  
Lift EEPTU Installation Engineering Modules  
37 years in Lift and Escalator engineering  
Member of CIBSE (Lift and escalator division) Membership No. 30484

Status: Married

Title: Independent Freelance Lift and Escalator Consultant working as 'Lift and Escalator Solutions'

Tools: 'Elevate' for traffic analysis and 'Lift Designer' for Lift and Escalator Layouts  
'Powerpoint' for presentations

October 2006  
to present

Crossrail's L&E Engineer and Client's Representative responsible for standards, specifications, station layouts and procurement. Relating closely with all engineering disciplines, architects, station design teams, procurement team and Station Infrastructure Managers.  
CRL Lead engineer with the Transport for London's steering group to unify the existing TFL modes specifications in line with the specification/standard developed by CRL.

For CRL, responsible for the overall L&E discipline for the CRL Technical, Implementation and Central, this work includes:

- \* the writing of lift and escalator standards/specifications, maintenance strategies. This has included in depth discussions with the main L&E suppliers of the global Metro's market and review of the suppliers factories, including the newer Chinese Manufacturers.
- \* to research the requirements for inclined lifts and produce the supporting documentation.
- \* to interface with LU, Rail for London, and NR
- \* design interface with the station designers
- \* developing the procurement strategy in line with the programme requirements and the procurement team
- \* assuring that the main lift and escalator suppliers are able to provide the necessary units in compliance with the CRL specification
- \* to deliver an affordable Vertical Transport system for a 21<sup>st</sup> century metro
- \* The development of the CRL specifications for L&E has been a major influence in leading to a complete review of the LU standards and specifications for lifts and escalators

November'09-Sept'10	L&E Technical Advisor to Atkins to assist in obtaining a concession for settlement and movement of escalators from London Underground regarding the boring between escalator barrels for columns to support the new Thameslink overhead railway London Bridge.
Dec'08 –April'09	L&E Design Engineer for Lagoons Project (Abu Dhabi), New Heritage Complex, Al Ain Souk and Tiger Woods Golf Complex (Dubai) for Pellfrischmann Consulting Engineers
May 2008	Technical reviewer of lift specifications for Pellfrischmann on the East London Line Project
August 2008	Abu Dhabi Court Complex L&E Design Engineer for Dar Al-Omran (Jordan)
July'06-October'08	Senior Lift and Escalator Design Engineer for Halcrow Civil Engineering Consultants supplying Specification, indicative drawings and design work for Crossrail, Tottenham Court Road Station Upgrade(LUL) and the Edinburgh Airport Rail Link.
March 2007	Lift, Escalator and Travalator specifications for the new Lanarca and Bahrain Air terminals for VTC. Works Package Specifications for Cundalls on British Medical Association and Royal Sun Alliance projects. Asset condition surveys for VTC, Cundall and WSP.
January'06-March'07	Consultant Lift Engineer for Mouchel Parkman for their Network Rail Step Free Access Works. (Manchester) Consultant Lift Engineer for Mouchel Parkman for their London Underground Step Free Access Works. (London)
March/April'06	Health and Safety inspection of escalators on the STP Underground System, Glasgow for VTC Consultancy.
April'5–April'06	Consultant Lift and Escalator Engineer for Central Market, Abu Dhabi for Pellfrischmann Civil Engineers and RTKL(architects). Covering lift layout, traffic analysis specifications and tender assessment for market centre car parks, Souq, shopping centre, several residential blocks two high rise hotels and two high rise office blocks. Total of 150+units. Specification Design Audit for Atlantis project, Dubai, for NORR.
August'05	Lift consultant for Al-Sharif VTC on Kings Cross Phase 2, client ARUP/MetronetsSSL. Investigating design possibilities of MRL lifts for step free access and escalator design.
Sept'04-June'05	Consultant Engineer for Kellog, Brown and Root covering their Wandsworth Council Project (To close out the Defects Liability Period for lift contracts).
Jan'05	Commissioning Engineer for Home Office Building, Marsham Street for VTC. Inspection and Commissioning of high and low rise lifts, Lift specifications, Lift tender assessments and recommendations, Lift condition assessment for occupation and disability access assessment for Al-Sharif VTC Consultancy. Nominated consultant on the Pellfrischmann framework agreement for the NYCT New York Metro and Transport for London contracts.
March'04	Employed by Parsons/Pell Frischmann as technical advisor and author for LUL Station System standards for the Chief Engineering Directorate of London Underground for the following: Lifts, Escalators and Passenger Conveyors, E&M Station Environment, Service Provision, Secondary Revenue Systems and Automatic Fare Collection. Using DOORS database to draft, source, link and support information for standard issue.

	Employed by Kellog, Brown and Root as consultant to carry out escalator and lift condition assessments for London Underground Chief Engineering Directorate for station redevelopments. Lift and escalator design specifications, condition surveys, inspections, commissioning and advisor for implementation of the Disabled Discrimination Act for various building service companies, consultancies and architects.
January'02	Consultancy, Surveys and Inspection for PMA Associates Consultancy (lifts and escalators)
October'99	Employed as Consultant/Project Engineer for E&M project works for the LUL Infraco - JNP Asset Improve as project manager and technical advisor for design and installation on lift and escalator outstanding and upgrade works for the Jubilee Line Extension Project.
March 1994	Jubilee Line Extension Project Senior Assistant Supervising Engineer for lifts and escalators. Other positions included Station Delivery Manager for Utilities and Lifts for Waterloo/Westminster, Assistant Supervising Engineer and Senior Lift Design Engineer.
January 1993	Alimak Limited
October 1989	Kone Lifts UK: Employed as Supervisor and Modernisation manager.
July 1988	Self Employed: Subcontractor to Thyssen and Schindler Lifts.
April 1984	Thyssen Lifts UK: Employed as a senior lift engineer/technician.
March 1980	Schindler Lifts UK: Employed as advanced/senior lift engineer.
November 1972	Express Lifts: Trained as lift installation engineer.
September 1970	Joined Mitchell and Smith as a chemical analyst/production manager.

My CV illustrates a comprehensive knowledge of the complex and unique industry of lift and escalators, on and off construction sites. It has given me a broad background knowledge of mechanical, electrical and hydraulic engineering complemented by specification and design work experience on new and refurbishment projects. My roles in project management within construction and design have been enhanced by my flexibility, adaptability and versatility, allowing me to write specifications and manage contracts, design approval, tender documentation for procurement, installation, commissioning and planned preventative maintenance programmes, through to completion.

In recent years I have worked closely with lift suppliers to develop a lift design suited to the rail industry for step free access.

My latest role to develop a specification for CRL has been a major influence in leading to a complete review of the LU standards and specifications for lifts and escalators

Clients include:

Atkins; Crossrail; London Underground; Transport for London; Parsons; Kellogs Brown and Root; Railtrack (now Network Rail); Pellfrischmann Civil Engineering Ltd; Al-Sharif Vertical Transport Consultancy Ltd; Peter McAllen Consultancy. RTKL-UK Ltd; NORR architects and engineering; Wandsworth Council; Mouchel Parkman; Halcrow Civil Engineering; Dar Al-Omran Architects(Jordan); Royal Marsden Hospital