

Curriculum Vitae

Name : Douglas Donald Fontaine

Marital Status : Divorced

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Education : Alverstoke School Gosport Hants.
: Gosport High School
: Open University
: University of Essex
: Barnsley College

Training : Trainee Engineer
: RMS Ltd.
: Poyle Road,
: Tongham,
: Surrey.

Institute Membership : ASHRAE

Hobbies : SCUBA Diving
: Sailing
: International Travel
: Hill & Mountain Walking

Altruism : Blood Donor

Discipline	Design	Construction	Commissioning	Planning	Project Management	Validation Des & Comm	Maintenance & Operation	Hazop Analysis	QA QC
Autoclaves		◆	◆	◆	◆	◆		◆	◆
BMS Computerised Control Systems	◆	◆	◆	◆	◆	◆	◆		◆
Building Services	◆	◆	◆	◆	◆	◆	◆		◆
Chilled Water Systems	◆	◆	◆	◆	◆	◆	◆		◆
Clean Rooms	◆	◆	◆	◆	◆	◆	◆	◆	◆
Controls And Instrumentation	◆	◆	◆	◆	◆	◆	◆		◆
Corrosive Fluid Cooling And Handling	◆	◆	◆	◆	◆	◆	◆		◆
Dehumidification	◆	◆	◆	◆	◆	◆	◆		◆
Demineralsed Water Cooling	◆	◆	◆	◆	◆	◆	◆	◆	◆
Demineralsed Water Systems	◆	◆	◆	◆	◆	◆	◆		◆
District Cooling & Heating	◆	◆	◆	◆	◆	◆	◆		◆
Explosion Proof Systems	◆	◆	◆	◆			◆		
Gas Cooling	◆	◆	◆	◆	◆	◆	◆		◆
Gas Recovery	◆	◆	◆	◆	◆	◆	◆		◆
Generators		◆	◆	◆	◆		◆		◆
Heat Pump Systems	◆	◆	◆	◆	◆	◆	◆		◆
HVAC All Air	◆	◆	◆	◆	◆	◆	◆		◆
HVAC DX	◆	◆	◆	◆	◆	◆	◆		◆
HVAC Fan Coil	◆	◆	◆	◆	◆	◆	◆		◆
HVAC VAV	◆	◆	◆	◆	◆	◆	◆		◆
Industrial Refrigeration Systems	◆	◆	◆	◆	◆	◆	◆		◆
LTHW	◆	◆	◆	◆	◆	◆	◆		◆
Mechanical Drying	◆	◆	◆	◆	◆	◆	◆		◆
Medical Gases		◆	◆	◆	◆	◆	◆	◆	◆
Motor Control Centres	◆	◆	◆	◆	◆	◆	◆		◆
Motor Starting Systems	◆	◆	◆	◆	◆	◆	◆		◆
Nuclear Power Station Cooling Systems	◆	◆	◆	◆		◆			
Package AC Plant	◆	◆	◆	◆	◆	◆	◆		◆
Package Chillers	◆	◆	◆	◆	◆	◆	◆		◆
Packaged Heat Pumps	◆	◆	◆	◆	◆	◆	◆		◆
Packaged Plant System Controls	◆	◆	◆	◆	◆	◆	◆		◆
Pneumatic Controls		◆	◆	◆	◆	◆	◆		◆
Pumping Stations	◆	◆	◆	◆	◆	◆	◆		◆
Sewage Treatment Plant		◆	◆	◆	◆		◆		
Steam Systems	◆	◆	◆	◆	◆	◆	◆		◆
Utilities Electric Water Sewage	◆	◆	◆	◆	◆	◆	◆	◆	◆
Water Treatment	◆	◆	◆	◆	◆	◆	◆	◆	◆

Profile

Highly qualified and resourceful, proven track record in a diverse career both in the UK and overseas, self motivated, extensive mechanical and electrical engineering experience and knowledge. Proven ability in completing projects well inside budget, on time, and to the highest standard of quality, performance and reliability.

Good communication and man management skills, ability to motivate personnel thus ensuring increased productivity and quality. Proficient in making decisions, performs well under pressure.

Adaptable and enthusiastic to learn new skills be it self taught or by tuition.

Highly computer literate, well versed in using computers for management, project planning, cost & resource tracking, and communication. Proficient in using AutoCAD to produce mechanical and electrical services drawings.

Author of cooling & heating load estimation, system design, data logging, and commissioning software. Also well versed in the use of propriety design software.

Competent in compiling and managing structured databases used for task tracking and recording information. Management and senior supervisory skills in operating and maintaining Windows Local Area Networks and Internet. Extensive user of advanced Internet features including, communications and data transfer. Proficient in the operation of UNIX based systems.

Comprehensive knowledge and experience of interfacing controls and data loggers to computer spreadsheets and dynamically analysing and displaying systems performance in real time.

Extensive knowledge of working in the following sectors, project management, consulting, nuclear, pharmaceutical, chemical, building services, contracting, research, food industry, manufacturing, Ministry of Defence, architectural support services, facilities management and planned preventative maintenance.

Successful employment track record in the following capacities, director, consultant, senior management, senior project manager and principal research engineer.

Open University

During the academic year of 94/95 I studied Technology T102 with the Open University. Having completed the course and sat the final exam I passed thus gaining 60 credit points at degree level one.

AutoCAD

During the academic year of 03/04 I studied City & Guilds 4351 level 3 “Computer aided design” at Barnsley College. The course provider was Barnsley College of Technology and was by distance learning over the Internet. Result at completion of the course pass.

Controls

June 1998 attended a Trend Control course entitled “System Engineering”.

Achievements

- As a trainee engineer I received comprehensive tuition from acknowledged leaders in the field of process refrigeration and specialist air-conditioning. Duties encompassed, preparation of contract estimates, writing technical specifications and bills of quantities, total system design from first principles including, air-conditioning and refrigeration system design, load estimation, controls design, contract management, hands on commissioning and troubleshooting, technical writing, and client liaison.
- Having gained a considerable amount of technical knowledge in the early part of my career I moved towards project negotiation, this took the form of going out into the marketplace and acquiring enquiries, designing systems that best suited the particular application, producing tender documents, negotiating and closing contracts.
- The next significant stage in my career development was setting-up and running a contracting company named Refrigeration Technical Services Ltd. specialising in the design, supply, and installation of, process and industrial refrigeration systems, close control air-conditioning systems, and clean rooms.
- During the first quarter of 1982 it became obvious that the volume of available contracts was continuing to decline, this in turn saw a reduction in profitability, late and bad payments exacerbated the situation further, and hence I sold my shares in Refrigeration Technical Services and became an expatriate. The gains for having done this were twofold, comparable earning potential without financial risk, and more importantly I was able to enhance my technical and management skills. Having gained the trust and respect of my employer A & P Paraskevadies I was entrusted with a large Turn Key project comprising of, district heating and cooling including the central plant, building services to six major buildings, irrigation, sewage treatment, and food cold storage. I took this project from design concept through to final handover. The project was a great success, it finished on time, returned a profit margin that well outstripped all other projects being undertaken by the company at that time. Workmanship and quality were to the highest standards, the systems performed exactly as projected by my design calculations.
- To enhance my academic abilities I studied with The Open University and The University Of Essex. This gave me the opportunity to strengthen my command of, mathematics, physics, electronics, and computing. A very salient aspect of the time I devoted to mid career education was learning how to solve tasks and problems by the use of structured and analytical thought. To be proactive you have to be able to analyse all possibilities and situations effectively and efficiently, fully understanding what it is you are trying to do, and efficiently planning how to achieve it. The foregoing aids greatly in securing a successful outcome to the task at hand.
- Mastering computers has enabled me to use them as highly productive and flexible tools; this in turn has broadened my scope of abilities, effectiveness, and productivity.

Career History

Employer Hisham Abdulrahman Jaffer. Manama Kingdom of Bahrain.
WWW.hajgulf.com

Work Description Project management and design management of utilities infrastructure to new towns and large development projects including electrical distribution, high voltage bulk service points, high voltage primary sub stations, and medium voltage substations, district cooling plants and associated reticulation, communications, desalination plants, sewage treatment plants, and building services of major and iconic buildings.
Work also included preparation of master plans, interfacing with government departments and ministries, preparation and issuing of requests for proposals, evaluating proposals and awarding contracts, compiling master programs, monthly reports, presentations, professional team coordination and management, and preparation of environmental impact assessments.

Appointment MEP Design & Project Manager

Start & Finish Dates January 2008 May 2009

Additional information Due to cancellation of many projects and lack of new development, myself and many others were made redundant. I am now actively seeking work either in the UK or overseas.

Employer Drake & Scull International LLC. Dubai United Arab Emirates
Work Description Heading the MEP, refrigeration, distribution pipework network and SCADA control system design of two district cooling projects, total cooling loads 264 and 176 megawatt-hour respectively. Duties also entail monitoring construction, testing and commissioning management. Attending new works presentations and offering technical support.

Appointment Major Projects Engineering Manager

Start & Finish Dates July 2005 January 2008

Additional Information Reason for leaving to advance my career in Project Management and master planning at government level.

Employer AWE Burghfield
Work Description Project co-ordination, database design and maintenance, creating project programmes using MS Project, cost and budget control, design co-ordination, technical validation, commissioning validation.

Appointment Project CO-ordinator

Start & Finish Dates January 2005 May 2005

Additional Information Reason for leaving to work overseas

Employer

Work Description

LifeScan Scotland Ltd

Working from the facilities department, workload included mechanical services, process related environmental systems, building services design and project management, site supervision, clerk of the works role for site work, technical and design validation, commissioning, and budget control.

Appointment

Projects Manager

Start & Finish Dates

September 2004 December 2004

Additional Information

My terms of employment were by three month contract, LifeScan Scotland offered me another three month contract however I decided to return to the South of England as the lease on the house where I was staying had ended and the new lease was for a minimum period of 12 months.

Employer

Projects

EMCOR Facilities Services Ltd.

<http://www.awe.co.uk/>

Permanently located on site at the Atomic Weapons Establishment Aldermaston. I was responsible for a variety of projects including Building Services Systems, Air-conditioning, HVAC, Clean Rooms, High and low voltage substations, Power distribution, Controls including programmable logic controllers, Supervisory control and data acquisition, Motor control centres, and Manufacturing Plant and Production Line Equipment.

Appointment

Projects Manager

Start & Finish Dates

Jan 2003 April 2004

Additional Information

I was responsible for system design, cost estimation, client liaison, project management, planning, progress and programme, risk assessment, quality control, permit to work, health and safety, labour supervision, commission, and documentation.

Reason for leaving. To take a sabbatical and extensively travel throughout New Zealand.

Employer

Projects

Hagon Engineering Ltd.

Feasibility studies and technical authoring.

Appointment

Technical Director

Start & Finish Dates

Jan 2001 Jan 2003

Additional Information

Carrying out feasibility studies of alternative energy heating systems including heat pumps and renewable energy sources such as solar and biomass.

Technical authoring covering control logic, planned preventative maintenance schedules, refrigeration and cold store specifications, and building services specifications.

Reason for leaving. Separated from my wife hence having to relocate to England from the Highlands of Scotland.

Employer

Building Services Research Information Assoc. (BSRIA)
<http://www.bsria.co.uk/>

Projects

Energy technology, research and system testing

Appointment

Principal Research Engineer

Start & Finish Dates

Jan 1998 December 2000

Additional Information

Duties included designing test laboratories and compiling test procedures for building services equipment. A large part of this work involved designing and setting to work a bespoke data logging system to facilitate dynamic data analysis. In a number of instances the test procedures I formulated became integral components of British (BS) European (EN) (BSEN) and International (ISO) Standards. Carrying out site investigations, consultancy, and expert witness advice.

Reason for leaving To move to the Highlands of Scotland.

Employer

Unitech International Ltd.
<http://www.empire.com.bn/>

Project

Empire Hotel Brunei (Island of Borneo)

Appointment

Lead Project Engineer

Start & Finish Dates

June 1996 Dec 1997

Additional Information

Employed under contract. Responsibilities were to manage and oversee the installation of building services. Commission and leave all services in full working order. Reason for leaving, my contractual obligations were successfully concluded, the project was complete and I had no further work to undertake. References can be obtained.

Essex University

Start & Finish Dates

Full time student studying Computers and Networks
October. 95 May 96

Employer

Jacobs Engineering Ltd. (Seconded to Glaxo Research Stevenage) <http://www.gsk.com/media/imagecatalog.htm>

Project

Research Headquarters Stevenage

Appointment

Design and commissioning validation consultant

Start & Finish Dates

March 93 August 95

Additional Information

I was employed under contract. My duties were to validate the design and commissioning of the building services, clean rooms, cold stores, and pilot manufacturing plant at Glaxo's research campus in Stevenage UK. References can be obtained.

Employer

Project

Wimpey Construction
Little Britain.1 x 20 & 1 x 14 storey Office Building located in the City of London.

Appointment

Senior Building Services Manager

Start & Finish Dates June 90 February 93
Additional Information My duties included managing the mechanical and electrical building services subcontractor, design co-ordination, quality control, progress and programme, management reports, liaising with local authorities and statutory bodies to ensure full compliance and gaining approval certification, testing and commissioning, final documentation and handover.
Reason for leaving, made redundant.
References can be obtained.

Employer Crown House Engineering
Project Wellcome Foundation Head Office London
Appointment Project Manager
Start & Finish Dates December 89 June 90
Additional Information Employed under contract. I was appointed to take over the running of this project and to complete it and hand it over to the client in the shortest timeframe possible.
The project was successfully completed and retentions being held were released.
Reason for leaving, I was offered full time employment by Crown House Engineering, however at the same time Wimpey Construction offered me full time employment and I accepted their offer.
References can be obtained.

Employer Lorne Stewart
Project City of London Broadgate Phase 3
Appointment Senior Project Engineer
Start & Finish Dates October 88 November 89

Employer Ensoll Elec & Mec Services
Project Meteorological Office
Appointment Project Manager
Start & Finish Dates April 87 October 88
Additional Information Employed under contract. Project completed ahead of schedule and well within budget References can be obtained.

Employer Scott Brownrigg & Turner
Project Ice Rink Al Ain UAE
Appointment Senior Consultant Engineer
Start & Finish Dates February 85 March 87
Additional Information Employed under contract, project successfully completed.
References can be obtained.

Employer A & P Paraskevadies Saudi Arabia (Saudi Specialist Construction)
Project National Guard Facilities
Appointment Senior Design & Project Manager
Start & Finish Dates June 82 Jan 85
Additional Information Successfully executed a very large turnkey project. Project completed ahead of schedule and netted considerably more profit than was projected. Reason for leaving, promotion and moving to a different country.

Employer Refrigeration Technical Services
Projects Various
Appointment Design & Contracts Director
Start & Finish Dates May 79 May 82
Additional Information Refrigeration Technical Services was set-up by myself and two colleagues. This exercise gained me the experience of running a small contracting company. Reason for leaving, to gain knowledge of working overseas and to advance my technical abilities.

Employer RMIS Ltd.
Projects Various
Appointment Design & Contracts Manager
Start & Finish Dates Jan 68 Apr 79
Additional Information I worked my way up through nearly all of the departments of this company. Due to the rapid expansion of the company and a subsequent collapse of the market RMIS Ltd. went into voluntary liquidation, hence I was made redundant