

29 Thorpe Avenue, Peterborough, Cambridgeshire PE3 6LA U.K.
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INTRODUCTION

An excellent professional Product/Project Design Engineer; who delivers from inception to final marketable cost-effective innovative products, services, systems and solutions to statutory and regulatory requirements.

Team player, self-starter with ability to work under own initiative to resolve problems in a timely organized manner. Who is totally committed with positive attitude, technical proficiency, professional integrity, ability to learn quickly and determination to succeed. He manages and delivers products/projects by integrating with clients, suppliers, sub-contractors, out-sourcing etc. within budget and time frame.

AREAS OF EXPERTISE.

Skilled in -

Engineering design -

- 2D (Drawing Board, Prime Medusa, Unigraphics, AutoCAD) and 3D (Mechanical DeskTop, Solidworks, Solid Edge and AutoDesk Inventor).
- Engineering mechanisms (light, medium and heavy), small (micro/nano scale) intricate assemblies, electro-mechanical enclosures (castings, mouldings, fabrications and sheet metal).
- Used – Advance/exotic engineering materials (ceramics, polymers, plastics (bio-degradable and composites), metals, commercial parts and manufacturing processes, Rapid prototyping, Mock-ups/POP models (concept and working prototyping), Electro-mechanical, optics, hydraulics and pneumatics actuators, PLC, computer systems, sensors, control and ancillary hardware integration appreciation, DFM, FDA, Finite Element Analysis (FEA), FMEA and GMP.
- Appreciation of – CFD, Quality management, Health & Safety and Risk Analysis.

Computers - Microsoft (Word, Excel, Access, Power point and MS Project).

Project engineering and management - Develop, maintain and execute project plans in line with commercial objectives.

Manufacture - MRP, BOM. operations, manufacturing plans, route structure, codes etc. BS 5750, TQM and ISO 9000.

Business management - Business development, marketing, proposal, specification, estimates, costs, contract negotiation and vital commercial issues.

EDUCATION AND PROFESSIONAL QUALIFICATIONS

- Diploma Mechanical Engineering
- H.N.D. Computer-aided-Engineering
- Degree, The Open University: Comprises of Electronics, Instrumentation, Optics, Materials and Mathematics.
- Management (Henley Distance Learning): Effective Management and Financial Management.

- F.I.E.D. - Fellow of The Institution of Engineering Designer
- I.Eng. - Incorporated Engineer

CAREER HISTORY

➤ E Leather Limited, Peterborough

The only reconstituted leather manufacturing company in the world.

Engineering Consultant

Jan'08-Feb'09

Actively executed (designed, developed and installed) special purpose (bespoke) capital plant, equipment and machinery to suit key manufacturing processes/requirements. Responsible for specifying, negotiating, purchasing and managing the out-sourced special purpose/process deliverables, like equipment, machines and plant.

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➤ **Procal Analytics Limited, Peterborough**

A very successful British company in the field of offering gas analysing systems and solutions to industry.

Engineering Consultant

Dec'07-Feb'09

Spearheaded the new product (design, development, testing and engineering) of revolutionary Hg gas analyzer project in collaboration with the company's core scientific team. Operated as an experienced adviser/mentor on the manufacturing, exotic materials and other technical functions.

➤ **HelioDynamics Limited, Cambridge**

A renewable energy company with their revolutionary solar systems and solutions.

Project Engineering Services

Jan'07-Nov'07

Responsible for all the technical (engineering and process related) issues; develop, design, test and implement production processes. Have worked on energy evaluated proposals, forecasting, negotiations, quotations, site surveying, customer liaison, project related logistics and its management.

➤ **Altran Technologies UK, London**

An international Consultancy that offers cutting-edge solutions to the industry.

Technical Associate

Oct'06-Nov'06

Implemented Electronic Document Control System (DDM) for a medical device company.

➤ **Oxford Instruments Plasma Technology, Bristol**

The company has rationalised and stream-lined its star-ship products with its most appropriate know-how. The new products fall in two new developed categories, NGP (New Generation Plasma) and ALD (Atomic Layer Deposition).

Design Engineer - Projects

July'06-Oct'06

Designed and developed from inception to end of New Generation Plasma range of mainstream company solutions and systems for nanotechnology, semiconductors, superconductors, molecular bioscience and environmental monitoring.

➤ **GEA Process Engineering Limited (Buck-Systems), Birmingham**

The company is known for its world renowned Buck Valves. It offers engineered solutions for powder handling for pharmaceutical industry.

Design Engineer

Jan'06-July'06

Design and develop solutions and systems for pharmaceutical and medical industry. Actively participated in the process and project related design and development issues for powder handling and dispensing.

➤ **The Sanger Institute, Hinxton, Cambridge**

The Wellcome Trust Genome Campus is one of the leading genomics centres in the world, dedicated to analysing and understanding genomes. Through large-scale analysis - and focused research and collaborations - the Sanger Institute's programmes underpin biological and medical research worldwide.

Senior Design & Development Engineer

Apr'05-Oct'05

Design and develop successful bespoke Robotics and Automation solutions and systems for the stem-cell research.

➤ **La Calhene (GB) Limited, St. Ives, Cambridge**

French subsidiary offering products: Isolators for nuclear, medical, pharmaceutical and life sciences industry.

Design Engineer - Projects

Nov'02-April'05

Designed bespoke isolators and environment control systems for shielding from cyto-toxic materials and other hazardous substances; components and purpose finished fabrications were procured from suppliers

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and subcontractors. Assembled, tested, validated, shipped and installed. These systems operate in a controlled or clean-room environment and offers protection against hazardous chemicals.

PREVIOUS EXPERIENCE

- **Technicraft Design Limited, Peterborough** May'97-
Oct'02

A personal venture, under which successfully completed assignments (from concept to finished bespoke systems/solutions) to time and budget for the following companies:

- Cambustion Limited, Cambridge
- Denby Pottery, Derbyshire
- RTS Thurnall Limited, Manchester
- Marlor Engineering Limited, Peterborough
- Newtech (Newmarket) Limited, Wisbech
- Scott Gibbin Ltd., Peterborough
- T. H. Dixon & Co. Ltd., Letchworth
- Procter & Gamble Ltd, Havant, Hants
- Geest Prepared Foods, Spalding. Lincs
- Foster Refrigerator (UK) Ltd., King's Lynn

➤ **Chief Engineer**

Automation Associates Ltd., Cambridge 1996-1997

➤ **Lead Design Engineer**

Metals Research Limited. Newton 1995-1996

➤ **Engineering Consultant**

Expert Systems International Limited, Peterborough 1991-1995

➤ **Chief Engineer**

APV Baker Ltd., Peterborough 1986-1991
(Formerly and now known as Baker Perkins Ltd.)

➤ **Chief Engineer**

ESAB Automation Ltd, Andover 1982-1986

➤ **Special Applications Manager (R&D)**

Aarque Systems Ltd., Colnbrook 1976-1982
(Formerly known as GAF (GB) Ltd.)

ADDITIONAL EXPOSURE

1965-1976

Worked in Lifts, Escalators, Helicopters, Labelling machines, Packaging and Special purpose Mechanical Seals etc. industries.

PERSONAL INFORMATION

Martial Status: Married
Nationality: British
required
Car Owner & Driver

Children: 2 Sons.
No work permit