

## PROFILE

A professional Design Engineer, with practical experience in Mechanical and Electrical Engineering, Management, Sales and Customer Liaison, in both National and International arenas.

Personal strengths include innovative design flair, ability to work alone or as a team member. Excellent people management and communication skills. Commitment and total reliability.

**SC clearance for the Defence Industry.**

## KEY SKILLS/EXPERIENCE

- Qualified mechanical engineer with experience in: *Solidworks 2010, Pro-E, Wildfire 4, Inventor 10, Autocad, Word, Excel, Powerpoint, Dreamweaver*
- Pneumatic; hydraulic; electrical systems
- Design and Development
- Management experience in manufacturing.
- Marketing within international commercial sector

### *Interpersonal*

- Highly organised, with attention to detail
- Decision maker who thrives on a challenge
- Enjoys people contact

## CAREER

2010 NOV-present

### **Stirling Dynamics** – *(contract)*

Using solid Works 2010 and PDM to design flight simulator control systems. Modelling high precision machined parts for use in control systems such as Stick and throttle modules used in commercial and military flight simulators.

2008-2010 OCT 31

### **Cobham Defence Communications** – *(contract)*

Using Solid Works advanced part and surfacing tools to design hand held communication systems and GPS/IPA's for land and sea armed forces. Design requirements: IP67, EMC rated and hardened for CBR. CNC components and fabrications to conform to Def stan 0035.

2007-to 2008-

### **SST - Gloucester** manufacturers of rugged and secure computers - *(contract)*

Using Solid works 2007-8 and AutoCAD 2007 to design computers to cope with very harsh environments and to withstand high levels of vibration i.e defstan 0035 tracked vehicle test. Conform to TEMPEST land class 'A' standard. 75% of components were fabrications 25% machined parts.

2005-2007

### **Knorr-Bremse** – manufacturers of rail systems - *(contract)*

Using AutoCad to design rail platform screen doors and train braking systems For the international market.

Designing and placing electrical enclosures for electronic door closure; all aspects of screen door design working with architectural 3D models; producing detailed drawings of components. Producing AS-BUILT drawings, post signing off the FDR. Designing machined parts, fabrication and sheet metal parts.

2003 - 2005

**EDD.ME (UK) LTD - (Design Consultant)**

- 19” rack Cabinets and internals for Thales Templecombe.
- Hinges for front panel of 19”stack unit, perspective control camera
- Architectural drawings of internal rooms for a large 5 star hotel refurbishment : bathrooms, bedrooms, lobbies
- Multi apex roof structure – using Inventor to produce model and drawings to facilitate manufacture of steel work.
- Architectural drawings for conversion of ex Bank to self contained flats for a Developer, to enable Planning consents.

1997-2003

**Gandolfi Limited- Camera Manufacturer - General Manager**

Responsibility for the day-to-day running of the company; production of cameras; design of new product; accounting.

1993 – 1997

**Gandolfi Limited- Camera Manufacturer - Project Engineer**

Finalise production and set up manufacturing systems for a New large format camera called the Variant.  
Modifications and upgrades.

1990 – 1993

**Wessex Medical - Manager – Manufacturing/Assembly**

Promotion to this position when Hampshire Design Engineering became Wessex Medical; to set up and manage the product assembly teams, and set up and commission the MRP software for the assembly of the product.

Prior to 1990 I was employed in engineering roles at various companies including British Leyland and Dunlop (Rim & Wheel Division) UK Ltd ,where I served an - *Indentured Apprenticeship* in tool-making, jig, tool and press design. I completed the final two years of my apprenticeship in the Drawing Office at Dunlop, as a Jig & Tool Design Draftsman.

**ACHIEVEMENTS**

Design of PREM machine to enable faster sampling of DNA strings  
Promotion to General Manager of Gandolfi Ltd

**EDUCATION & TRAINING**

5 ‘O’ Levels (Maths, Science, Geography, History, Art)  
1 ‘A’ Level (Art History)

**PROFESSIONAL QUALIFICATIONS**

Indentured Apprenticeship at Dunlop	
ONC equivalent City & Guilds Technicians Mec.Eng.	Part 1
ONC equivalent City & Guilds Technicians Mec.Eng.	Part 2
City & Guilds Mec. Tool making	Part 2
City & Guilds Mec. Tool making Diploma	Part 3
City & Guilds Mec.Eng. & Elec.	Part 1

**INTERESTS**

Keen interest in music, Archery,

*Excellent professional references are available on request.*