

CURRICULUM VITAE

ELECTRICAL DESIGN ENGINEER

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		MARITAL STATUS:	Married, 4 adult children
		DRIVING STATUS:	Full, clean, car & motorcycle
		COMPETITION LICENCE:	FIA/MSA National 'A' FIA/MSA International 'Historic'
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QUALIFICATIONS

TEC III Electrical & Electronic Engineering ~ 200 Series Mechanical Engineering Certificate 1982
City & Guilds Electrical & Electronic Engineering ~ City & Guilds 4351 Certificate AutoCAD C.A. Design 1989

DISCIPLINE OVERVIEW

Competent and experienced electrical controls designer in all methods of manual and CAD drafting. Apprentice served in a project design office. Skilled 2D & basic knowledge of 3D application of the following CAD and software packages:

Computervision CADD5 V8
AutoCAD 2016
Creo Schematics

IBM CADAM V3.1
IBM MicroCADAM

MicroStation V8
Solid Edge 2D V19

PERSONAL INTERESTS

Enthusiastic, capable amateur racing driver for many years, with proven track record and race results at International level. I currently hold an FIA/MSA National 'A' & International 'H' Motor Sport Competition 'Race' licence, and have raced successfully throughout the UK & Europe with an 'FIA International' rating in both contemporary GT's, saloon cars as well as driving MSA 'Appendix K' period historic racing cars.

OVERVIEW

Since 1985 I have served as a UK East Midlands based Limited Company electrical design sub-contractor, across a wide range of engineering disciplines and diverse industries, throughout the UK & Europe.

CAREER HISTORY

October 2015 – Present

Electrical Systems CAD Projects From Home Office.

Working from my dedicated home office on a range of private tender and design projects for local engineering companies in the East Midlands, using AutoCAD 2016.

July 2013 – September 2015

Recovery From Critical Injuries Following An RTA on 4.6.13

In June 2013, whilst working for JLG Industries, I sustained critical injuries in a non-fault head on road traffic accident. I spent the following 26 months recovering from the trauma and the necessary corrective surgical procedures. Following an extended period of convalescence & intensive courses of rehabilitation & physiotherapy, I returned to work.

October 2012 – July 2013

JLG INDUSTRIES INC. Leicestershire UK / Maryland, USA.

Working as an Electrical Systems Engineer in the prototype production assembly facility, on development projects being assembled for the European markets at their test and manufacturing facilities in Bruntingthorpe UK, & Maasmechelen, Belgium. Working specifically on new generation Tele-handler vehicles. Roles included electrical test and fault finding, reporting, FMEA analysis and rapid prototyping, reporting directly to JLG Director of Electrical Engineering in Maryland, USA.

March 2011 – October 2012

CATERPILLAR LTD, Peterborough

Working as a Senior Electrical Systems & Installation Engineer in the new generation Articulated Trucks Division, focusing on cab/chassis electrical design and documentation, and giving technical support to the vehicle assembly plant in Peterlee, and overseas travel to troubleshoot prototypes in operation in the field.

May 2010 – March 2011

TEREX (UK) LTD, Coventry

Working as a Senior Electrical Project Engineer with a hands on approach to the design and development of the next generation European Backhoe Loader vehicles, as well as giving technical support to the factory production line of the current Backhoe Loader at the Coventry assembly plant. Other duties include electrical fault finding, diagnosis and reporting on both production trial and prototype vehicles in the domestic market and overseas, along with trial and evaluation of the vehicle electrical systems and control functionality.

December 2007 – May 2010

DELTARAIL LTD, Derby

Design of electrical vehicle control schematics and wiring diagrams for various rolling stock & fleet refurbishment projects throughout the British Isles, along with cable scheduling and bill of material compilation, on site vehicle surveys and engineering reports and installation fault finding.

January 2007 – December 2007

CULLUM DETUNERS LTD, Derbyshire

Design of control systems for Europe's leading noise control specialists primarily for gas turbine applications & Rolls Royce Aero testing facilities. Working with Solid Edge CAD system to create 2D wiring & schematic diagrams, control panel arrangements & cable scheduling, BOM's etc.

August 2006 – December 2006

TELENT MARCONI SYSTEMS, Coventry

Working in the telecommunications engineering sector developing signaling & digital communication electronic systems for the public sector using AutoCad 2006.

November 2004 – August 2006

BURKS GREEN ARCHITECTS & ENGINEERS, Newark

Working on numerous new build developments for the British Railways Authority across the United Kingdom, developing the new "super shed" rail maintenance depot concepts.

Oct 2003 – November 2004

THE BOOTS COMPANY LTD, Nottingham

Engaged in the Store Environment division of Boots Head Office, working with a team of skilled designers on all electrical aspects, and store layout designs for Boots The Chemists retail stores throughout the United Kingdom.

Sept 2002 – October 2003

ALSTOM TRANSPORTATION PROJECTS Coventry

A return to the Coventry design offices of Alstom Transportation to take an Electrical Designer role in the Class 507/508 rail vehicle refurb project. Tasked to work on the vehicle lighting systems, PIS & Pas-com installations along with cab electrical panels and interfaces.

December 2001 – Sept 2002

STYLES & WOOD STORE PLANNING Nottingham

Working almost exclusively on Boots Plc retail design projects throughout the UK. Detail design of building structures and floor layouts, along with scheduling and store planning arrangements.

Sept 2000 – December 2001

LEWIS & HICKEY ARCHITECTS Ltd. Nottingham

Contracted to work on the internal redesign & re-branding of Barclays Bank Plc refurbishment projects, using MicroStation CAD. Working as part of a design team responsible for optimizing the floor space of each branch to maximize the customer areas.

February – September 2000

ALSTOM PROJECTS LTD, Coventry & Wolverton

Contracted to rework the electrical systems of the refurbished MkIII Club Car rail vehicles project for rail operator ScotRail. Working at both the design office as well as the vehicle works liaising with the engineers and fitters to ensure that the prototype vehicle was tried and tested in full shakedown test prior to the main build program commencing.

April 1996 – February 2000

Joy Mining Machinery Ltd Bestwood Village Nottingham

Working as a Product Engineer in the Engineering Division and retrained to use UNIX based Computervision CADD5 V8 CAD system. Responsible for the design of multi-tasking control systems for underground mining equipment, exported world-wide for both the UK and emerging markets in countries such as the former Soviet Union and the Peoples Republic of China. Proficient designer in both 2D & 3D wireframe applications of Computervision CADD5 V8. Trained in management and implementation aspects of Cadim V3.0, SAP R3 and design & manufacturing processes therein.

October 1995 - April 1996

ADTRANZ Rail Vehicles Ltd Derby

Based in Special Projects Office, producing detailed design intent electrical schemes using Microstation V5 CAD system. Responsible for producing control panel assemblies and detail drawings along with cable harness and routing schemes for a generic cab design for use on the Far East Metro rail project, Thailand.

June 1995 - October 1995

Caledonian Mining Company Ltd Newark

Working on site supervising installations at Heathrow Airport Terminal 4 Express Rail Link. Responsible for overseeing the co-ordination of the civil engineering program of works, along with the combined services installation on behalf of the main site agent, Balfour Beatty Civil Engineering Ltd.

March 1995 - June 1995

John P Waterhouse Company Ltd Nottingham

Responsible for the production of high quality electrical schematic diagrams for PLC based process control systems for use in the rubber industry. Control panel arrangements, steelwork details, along with field device diagrams.

March 1993 - March 1995	East Midlands Electricity Plc - Corporate HQ Nottingham <i>Producing control system diagrams on IBM CADAM CAD system. Responsible for interpreting engineers requirements from sketches to produce control panel GA's, schematic diagrams and connection details for 132kV based systems.</i>
November 1992 - March 1993	Metro-Cammell-GEC ALSTOM Ltd Birmingham <i>Working as Senior Electrical Designer on the Channel Tunnel Nightstock passenger rail vehicle project. Responsible for coordinating production of point-to-point wiring diagrams and associated cable schedules. Design of interfaces for control equipment, liaison with structures and mechanical engineers.</i>
August 1991 - November 1992	Hawker Siddeley Power Engineering Ltd Loughborough <i>Design of electrical schematic diagrams for two new 350Mw gas fired power station developments at Corby and Peterborough. 110kV maintenance documentation prepared along with high voltage distribution single line diagrams. Civil installation diagrams, routing diagrams and associated schedules. Civil parameter engineering detail diagrams produced for site construction.</i>
June 1991 - August 1991	Bombardier Prorail Ltd Wakefield <i>Short term seven week tender project for the now defunct IC250 rail vehicle. Tender design intent schematics produced for conceptual development of this new generation rail vehicle.</i>
October 1990 - June 1991	British Rail Engineering Ltd Derby <i>Based in the New Construction Group HQ designing vehicle management systems for the Class 465 EMU rail vehicle. Wiring diagrams, control cubicle arrangements, along with underframe harness detailing and marshalling cubicle diagrams.</i>
October 1989 - October 1990	E.G. Phillips Son & Partners Ltd Nottingham <i>Electrical design for building services relating to new hospital developments. Electrical cable and BMS interface schedules, connection details, produced from comprehensive works specifications outlining the proposed design intent to be issued to electrical sub-contractors for their tender bid purposes. Detail design of lighting and small power schemes for new City Technical Colleges. Design for LV switchboards to Form IV specification, and detail design of HVAC building management control systems for controlled environments.</i>
May 1989 - October 1989	Jardine & Smith Ltd Nottingham <i>Design of electrical control circuitry for conveyor transit systems. Process control circuits designed for PLC control. Cable and component schedules produced for material allocation and procurement procedures. Control panel arrangements and mimic diagram design.</i>
February 1989 - May 1989	Direct Technical Services Ltd Nottingham <i>Preparation of electrical building services schemes for a major warehouse development in the East Midlands. Detail design of lighting and small power arrangements, fire alarm and data transfer systems to comply with main contractors specifications.</i>

June 1988 - February 1989

Metro-Cammell Ltd Birmingham

Working on prototype rail vehicles including the new MKIV Inter-City coach. Cable routing diagrams, connection details, cable schedules and termination details. Design of associated control panels for management of vehicle lighting and power systems.

October 1987 - June 1988

Integrated Engineering Projects Ltd Burton on Trent

Working on electrical building services for brewhouse process plants at sites throughout the UK. Cable tray routes, single line distribution diagrams and cable sizing/rating calculations in accordance with the current issue of the IEE regulations. Specifications written for electrical installations and evaluation of electrical sub-contractors bid tenders for such installation works.

April 1987 - October 1987

National Smokeless Fuels Ltd Eastwood

Based at the company HQ but working on site several days a month at Keresley Colliery, Coventry. Design of new process control system for manufacture of Homefire briquettes product. On site surveys carried out to determine the sequence of control for batch processing equipment. Preparation of schematic diagrams and control panel detail arrangements.

January 1987 - April 1987

British Rail Engineering Ltd Derby

Electrical diagrams produced for Class 442 rail vehicles. Control cubicle connection details and cable schedules compiled. Underframe harness detail drawings produced with termination schedules.

June 1986 - January 1987

Baker Perkins (BCS) Ltd Peterborough

Electrical system design for food processing equipment. Conduit detailing, mains power circuits. Design of electrical services for conveyor transit systems.

March 1986 - June 1986

S Briggs & Company Burton-on-Trent

Electrical building services projects for brewery process engineering. Motor control centre design and plant installation schematics.

October 1985 - March 1986

Ruston Gas Turbines Ltd Lincoln

Design of offshore FLP electrical termination boxes and associated installations for Shell Oil projects. Flameproof cubicle schematics produced along with cable schedules and parts lists.

October 1984 - October 1985

TA Shore Company Ltd Nottingham

Electrical designs prepared for process control systems, including control panel general arrangements, steelwork details and mimic diagram design. On site installation and commissioning of control systems.

February 1982 - October 1984

Young Austen & Young Ltd Nottingham

Design of HVAC control systems for major building services projects throughout the UK. Control panel design and pre-commissioning workshop electrical tests.

September 1979 - February 1982

Chronos Richardson Ltd Nottingham

Apprentice technician in electrical design office. Block and day release to local TEC college. Trained in basic drawing office skills and data control procedures.

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