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## PROFILE

A highly qualified and pragmatic experienced engineer, manager, regulator, consultant and Expert Witness with extensive experience from working in major UK and US organisations and on European Commission projects.

Managerial experience gained in site departmental and national corporate level managerial roles with substantial budget & personnel responsibilities - up to £10m and 100 staff.

I have:

- a) been trained in the role of being an Expert Witness by the HSE and the Expert Witness Institute and have also been trained in advanced report writing; and,
- b) appeared as a witness in Court and in Employment Tribunals.

I am:

- a) a United Kingdom Accreditation Service (UKAS) and Irish National Accreditation Board (INAB) Technical Expert; and,
- b) an approved auditor for the Amusement Device Inspection Procedures Scheme (ADIPS) for the assessment of diligence and competence of ADIPS inspection bodies.

## KEY STRENGTHS

Regularly praised by client's as an expert who constantly meets the technical, financial & time requirements of engagements with expertise in:

- Electrical engineering
- Control and Instrumentation
- Potentially Explosive Atmospheres
- Machinery Safety
- Mining
- Waste to energy and recycling
- Rope Cableways
- Work Place Accident Investigation
- Health and Safety Management Systems
- Workplace Transport
- Confined Spaces working
- Health and Safety in Educational Establishments

## INDUSTRIES

Food, power generation, mining, chemical, defence, metal production, logistics, recycling and leisure.

## COMPUTER SKILLS

Windows, MS Office (Word, Excel, PowerPoint).

## EDUCATION

### **Trent Polytechnic**

IMEMME Honours in Electrical Engineering

### **Open University**

BSc degree in computing and electronics

### **University of Derby**

MBA degree (majoring in strategy)

### **University of Warwick**

Engineering Doctorate degree in systems engineering

### **Nottingham Trent University**

PGCE in Further Education

## PROFESSIONAL MEMBERSHIPS

Chartered Engineer (CEng) with the Engineering Council since 2002

Chartered Scientist (CSci) with the Science Council since 2005

Chartered Environmentalist (CEnv) with the Society for the Environment since 2009

## EXPERT TRAINING

1978/1982	<b>British Coal Corporation</b> Engineering Craft Apprenticeship scheme
1979	<b>British Coal Corporation</b> IEE 14th Edition Wiring Regulations
1981	<b>British Coal Corporation</b> IEE 15th Edition Wiring Regulations
1987	<b>Dowding &amp; Mills Ltd</b> Repair of electric motors
1987	<b>Trent Polytechnic</b> Mining Applications of Electronics
1988	<b>Brush Electrical Machines</b> Mining motors, switchgear and transformers
1991	<b>NEI Clayton Equipment</b> Maintenance of Pony underground locomotives
1993	<b>Joy Technologies Inc</b> 10SC32 Shuttle Car

1993	<b>Joy Technologies Inc</b> 12CM18 Continuous Miner
1994	<b>Accles &amp; Shelvoke</b> Acvoke cable spiking gun
1994	<b>Cableform Controls Ltd</b> Pulsomatic Mk.X d.c. speed control system
1994	<b>Hunslet Engine Company Ltd.</b> Hunslet 112Kw. 28.5 tonne BoBo underground locomotive
1995	<b>3M</b> Scotchcast 8090U Sheath Repair kit
1995	<b>Eickhoff (GB) Ltd.</b> EDW-300/380-2L-2W Shearer
1995	<b>3M</b> Scotchcast type S7 11Kv. Cable jointing
1998	<b>Eickhoff (GB) Ltd.</b> SL500 Shearer
2000	<b>Allenwest Wallacetown Ltd.</b> AW2000 Load Centre
2000	<b>Sait Mining SA</b> PC 1000-110 cable plug assembly
2000	<b>North Nottinghamshire College</b> BS7671 (IEE 16th Edition Wiring Regulations)
2001	<b>Breuer Motoren</b> Breuer VSD Motors
2001	<b>Long Airdox</b> Petitto Mule - PM-001
2002	<b>Joy Mining Equipment Ltd</b> RS20 Powered Support Control System
2002	<b>Joy Mining Equipment Ltd</b> TTT Couplings
2002	<b>Controlled Systems Ltd</b> Fibre Optic Cable Jointing
2003	<b>Atos Origin Ltd</b> Multi Discretionary Alarm System (MDA2)

2003	<b>Controlled Systems Ltd</b> CS Logix Advanced PLC Programming Course
2003	<b>Citect Ltd</b> Citect SCADA System (v5.42) Workshop
2003	<b>Pantek Ltd</b> Wonderware InTouch (v7.11) SCADA software (Starter Course)
2003	<b>Pilz</b> Introduction to BS EN 61508
2003	<b>Pantek Ltd</b> Wonderware InTouch (v7.11) SCADA software (Developer Course)
2004	<b>IXXAT Automation GmbH and Rockwell Automation</b> Ethernet/IP
2004	<b>IDC Technologies</b> Practical Troubleshooting of Data Acquisition and SCADA Systems for Engineers and Technicians
2004	<b>Routeco / Rockwell Automation</b> CompactLogix and PanelView Plus Seminar
2005	<b>IDC Technologies</b> Practical Troubleshooting and Problem Solving of Ethernet Networks
2005	<b>Pantek Ltd</b> Wonderware InTouch (v9) SCADA software (Alarming Course)
2008	<b>SolutionsPT</b> Introduction to MSSQL Server
2008	<b>SolutionsPT</b> Fundamentals of Industrial SQL Server Historian and Active Factory
2008/13	<b>Health and Safety Executive</b> Internal training courses
2008	<b>Health and Safety Executive</b> BS7671 (IET 17th Edition Wiring Regulations)
2012	<b>Baldwin &amp; Francis Ltd</b> Arc containment switchgear
2015	<b>SIRA</b> Hazardous Area Training Course for Dusts
2015	<b>SIRA</b>

IECEX Competence Training – Perform Classification in Hazardous Areas: Area classification to IEC 60079-10-1 and Energy Institute Model Code of Practice Part 15

2015 **Premium Power Ltd**  
Electrical Safety and Arc Flash Seminar

## PROFESSIONAL BACKGROUND

15/10/17 to date	Technical Lead Mechanical/Electrical UK, Envista Forensics
2014 – 14/10/17	HSEC RHMA (Finch Consulting) Principal Consultant
2008 – 2013	HSE HM Principal Inspector of Electrical Engineering in Mines
2006 – 2008	Mines Rescue Service Limited Project Manager (Research)
2003 – 2006	UK Coal Mining Ltd Group Automation Engineer
2000 – 2003	Electrical Operations Engineer, UK Coal Mining Ltd, Daw Mill Colliery
1994 – 2000	Deputy Electrical Engineer, RJB Mining Ltd / UK Coal Mining Ltd, Daw Mill Colliery
1994	Deputy Electrical Engineer, British Coal, Harworth Colliery
1992 – 1994	Deputy Electrical Engineer, British Coal, Littleton Colliery
1989 – 1992	Deputy Electrical Engineer, British Coal, Coventry Colliery
1987 - 1989	Management Training, British Coal, Central / Midlands and Wales Group
1986 - 1987	Assistant Electrical Engineer, British Coal, Donisthorpe Colliery
1984 - 1986	Supervisory Electrician, National Coal Board, Donisthorpe Colliery
1982 - 1984	Craftsman Electrician, National Coal Board, Donisthorpe Colliery
1978 - 1982	Apprentice Electrician, National Coal Board, Donisthorpe Colliery

## PROFESSIONAL AFFILIATIONS

The Institute of Materials, Minerals and Mining (in all its previous guises) from 1984 to date

The Institution of Engineering and Technology (in all its previous guises) from 1987 to date

The Chartered Management Institute from 1993 to date

Member of BSI EXL/31 committee (equipment for explosive atmospheres) from 2010 to date

**Sample investigations available upon request**