

Stephen Bennett

Principal Consultant



BEng (Hons) CEng MIET FS Eng (TÜV Rheinland)

Expertise

Electrical Engineering

Machinery Safety

CE and PUWER Conformity

Functional Safety

Project Management

Electrical Inspection and Testing

Control Systems

Experience

Steve Bennett is an electrical engineer with 29 years' experience in electrical engineering, control, automation, design, machinery assessment, maintenance, inspection, safety, and management.

His recent professional experience includes:

- Machinery Safety Compliance CE, PUWER, EN standards in a number of blue chip food and packaging factories;
- Machinery safety compliance assessments on a number of machines located in the UK, France, Italy, Germany, Netherlands and the USA at Factory Acceptance;
- Authoring of pre-tender machinery safety specifications for clients purchasing new machinery;
- Project Management of the safety and compliance related aspects of a cable car rope replacement in Derbyshire;
- Expert witness in a number of electrical related cases involving fire, loss and electric shock;
- Machinery safety compliance of a high shear mixer at the manufacturers premises in the USA;
- Auditing of electrical Inspection Bodies (IB's) in relation to Fairground devices under the Amusement Devices Inspection Procedures Scheme (ADIPS);
- Electrical Management of design, installation and commissioning of a number of floodlighting schemes throughout the UK, Middle East and Australia.



Professional Qualifications and Memberships

Chartered Electrical Engineer.

Member of the Institution of Engineering Technology.

TUV certified functional safety engineer.

BEng Electronic Systems and Control Engineering in 1994, Sheffield Hallam University.

HNC in Electrical Engineering with Computer Technology, 1989.

OND in Electrical and Electronic Engineering.

Selection of Experience

Health and Safety

Compliance

Machinery safety compliance in relation to statutory legislation such as CE & PUWER, and compliance with European Harmonised Standards such as electrical, guarding, functional safety and fixed means of access.

Risk assessment, evaluation and reduction.

Compliance with The Electricity at Work Regulations 1989, the IET Wiring Regulations and associated HSE and IET guidance.

Inspection and Testing of domestic and industrial electrical installations.

Authoring of compliance procedures and ensuring compliance with ISO 9001, 14001 and 18001 for electrical engineering aspects.

Maintenance management of machinery, plant and site services equipment.

Company Principal Duty Holder and Qualified Supervisor for the NICEIC and ECA electrical contractor associations.

Industrial Engineering

Electrical Design

Design of electrical control systems and software on metal packaging, coating and printing machinery particularly in pet food can, speciality packaging and aerosol manufacturing sectors.

Continuous improvement, optimisation and standardisation of manufacturing plant and process.

Product design of LED lighting products, energy saving solutions, automated lighting columns and electrical control systems in the outdoor lighting sectors on sports, commercial, retail, rail, petrochemical and air and sea ports throughout UK, Europe, Middle East and China.

Expert Witness

Electrical, Fire and Electric Shock

Forensic investigation and authoring of Expert Witness Reports, compliant with Part 35 of the Civil Procedures Rules 1998. This included a number of electrical fires in domestic and industrial premises, electric shock and loss adjustment cases.

Machinery Safety

Provided Expert Advice to clients on pre-litigated cases in regards to machinery guarding and functional safety.

Project Management

Machinery safety compliance

Project managed the rope change on a cable car in Matlock Bath Derbyshire ensuring compliance with UK legislation.

Managed a multi-disciplined team of consultants to help a client in the USA who manufactures high shear mixing equipment to achieve compliance



with European and UK machinery safety legislation.

Asset rationalisation

Headed up the electrical section of a £4M factory restructuring project in 2006 to increase operating efficiency and reduce manufacturing costs.

New installations

Specified and project managed a new £1M aerosol auto insertion line installation in 2005.

Existing installations

Salvaged a struggling project to in house build a printing/UV coating line in 2004.

Managed a team on electrical engineers to improve efficiency on a number of individual machines and production lines in the canning and aerosol manufacturing industry.

Design

Managed teams of electrical and mechanical engineers to develop new products in the outdoor lighting sector.

Employment History



Finch Consulting Limited

Principal Consultant

2017 - Present

Senior Consultant

2013 - 2017

Abacus Lighting Ltd

Electrical Engineering Manager

2008 - 2013

Crown Aerosols UK

Electrical Engineering Manager

2000 - 2008

Lawson Mardon Can (now Ardagh)

Electrical Engineering Chargehand

1987 - 2000