JAMES EADE BEng (Hons) CEng FIET MAE MEWI (Cert)
East Sussex, UK
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CAREER PROFILE

A Chartered Engineering Consultant with a wide experience of electrical installation design and management, I am:

- Experienced in civil and criminal (safety-related) cases as well as insurance claims;
- Director of a busy engineering consultancy. Reports and opinions therefore reflect current technology and working practice;
- A member or Chairman of a range of electrotechnical British and international standards committees and hence knowledgeable in state-of-the-art;
- Experienced in developing and delivering industry training and qualifications and industry competency standards;
- Author of authoritative electrical design, safety and control publications and regular contributor to the industry press with over 200 articles published on an array of engineering topics; and
- I also have decades of experience working in a range of sectors consisting of private SMEs and multinationals from retail to film as well as public bodies including the BBC, Unions, the HSE, local authorities, Fire Services and more.

EMPLOYMENT HISTORY

2005 – date. ***Director, own consultancy, E-Mech Entertainment Engineering Ltd***

- Head of Energy for the Birmingham 2022 Commonwealth Games; responsible for 26 venues and £14M budget.
- Consultant to industry trade associations including the Institution of Engineering and Technology (IET) technical regulations department, the Association of British Theatre Technicians and the Professional Lighting and Sound Association.
- Electrical consultant for a range of notable companies including SKY, ITV, CNN, Ambassador Theatre Group, Lloyd Webber Theatres, Aggreko, Sunbelt and more.
- Engaged as the electrical authority for the BBC since 2016.
- Chairman and contributor to the IET committee responsible for the IET *Code of Practice for Connected Systems Integration in Buildings* (ISBN: 978-1-84919-953-7).
- UK authority on temporary power systems and UK expert on the international IEC committee TC 64.
- Member of the Electrotechnical Assessment Scheme Management Committee, the Government instigated panel that oversees electrical regulation, skills and requirements and competent person schemes in the UK. Chairman of the sub-committee on entertainment and events.
- Creation and implementation of corporate electrical safety management policies and risk assessments for a range of SMEs and multinationals.
- Over 200 published articles and features on various electrotechnical issues in trade press, including *Lighting and Sound International* and the IET *Wiring Matters* journal.
- Formative Technical Editor of Lighting & Sound International magazine and Chairman of the PLASA Industry Innovation Awards (since July 2001).
- Formerly consultant and project manager for AV systems for Abercrombie and Fitch, Hollister, American Eagle and Gilly Hicks in Europe.
- Experienced in small-scale batch manufacturing of automated lighting systems, AV products and related mechanical equipment.
- Responsible for initiating and developing industry electrical safety training, enforced by industry. I have trained a wide cross section of industry in electrical safety, ranging from construction and events companies to local authorities. I also provide training on temporary power for the specialist electrical inspectorate of the Health and Safety Executive.

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PUBLICATIONS

By the Institution of Engineering Technology (IET) (Formerly the Institute of Electrical Engineers (IEE))

- *Guide to Temporary Electrical Systems, Design, management and deployment. 2nd Edition.* ISBN-13: 978-1-83953-513-0
- *Temporary Power Systems: A guide to the application of BS7671 and BS7909 for temporary events* (ISBN: 978-1-84919-723-6)
- The IET *Practitioner's Guide to temporary power* (ISBN: 978-1-78561-432-3)
- The IET *Code of Practice for In-Service Inspection and Testing of Electrical Equipment* (ISBN: 978-1-84919-626-0) (more commonly seen as the UK 'PAT testing' code.)

By ET Press

- *The DMX 512-A Handbook* (ISBN: 978-1-90403-172-7)

STANDARDS REPRESENTATION

Chairman of BSI committee CPW/4 *British standards for imaging*
Significant contributor to the editing committee responsible for drafting BS 7909 *Code of practice for temporary electrical systems for entertainment and related purposes*, the most active standard administered by CPW/4.

Member of JPEL/064 *Electrical installations of buildings*
Joint BSI/IET committee responsible for the IET Wiring Regulations (BS 7671). Active on both the main committee and sub-committees A (Verification) and D (External influences and special locations).

Member of GEL/600
This committee administers BS 7430: *Code of practice for protective earthing of electrical installations*

Other BSI committee memberships
EPL/100 *Audio, video and multimedia systems and equipment;* GEL/210/12 *EMC basic, generic and low frequency phenomena Standardization*

International Electrotechnical Commission committee TC 64; Maintenance Teams 3 and 9.
UK expert for generators and related issues on this maintenance team which deals with protection against electric shock, in particular Chapter 41 of IEC 60364 and Chapters 54, 55 and Part 7.

US ANSI Standards (via the ESTA TSP)
Representing the ABTT: Observer/papers member on the Control Protocols WG, Observer/papers member on the Electrical Power working group.

EDUCATIONAL DETAILS

1991 - 1994	Coventry University. Honours degree in Mechanical Engineering
Other	Chartered Engineer (Engineering Council Registration # 521844)
2024	The Cardiff University Bond Solon (CUBS) Expert Witness Criminal Certificate

MEMBERSHIPS

Fellow of the Institution of Engineering Technology (The IET); Associate Member of the Association of Lighting Designers; Certified Member of the Expert Witness Institute; Member of the Academy of Experts.