



## **LEIGH WILLIAMS**

Geoffrey Hunt & Partners | The Heath Business & Technical Park | Runcorn | WA7 4QX  
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### **SUMMARY**

Consulting Forensic Engineer specialising in fire and explosion investigation; electrical engineering matters.

### **ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

**BEng** Bachelor of Engineering (Honours): Electrical & Electronic Engineering

**CEng** Registered with the Engineering Council as a practicing Chartered Engineer in the UK

**MIET** Corporate Member of the Institution of Engineering & Technology

### **EMPLOYMENT HISTORY**

**Geoffrey Hunt & Partners** | Consulting Engineers & Scientists  
Associate | August 2017 to Present

Consulting Forensic Engineer specialising in the investigation of electrical faults and failures; fire and explosion investigation with particular expertise in electrical equipment and system failures and appraisal of employer and contractor compliance with electrical safe working practices.

#### **CF Fertilisers UK Ltd**

Site Electrical Engineer | March 2016 to August 2017

Within a large scale Top Tier Major Accident Hazard site directly accountable for all aspects of electrical engineering design, construction, maintenance and safety as Duty Holder under the Electricity at Work Regulations 1989. Electrical distribution system included an extensive 33kV, 11kV, 3.3kV and LV distribution network and HV (3.3 & 11kV) rotating machines. Accountable for the control of electrical and instrumentation ignition hazards, including lightning, radio frequency induction and static electricity within potentially explosive atmospheres through ensuring the availability of effective design, installation, inspection and maintenance management systems.

Senior Authorised Person, for operation and control of the Site Electrical Distribution System, up to and including 33kV. Authorising Engineer of Senior Authorised and Authorised Persons.

Lead Investigator in the event of electrical equipment or system failure, including leadership of investigation team members, investigation scope development, evidence preservation, examination and analysis, report preparation and identification of recurrence prevention measures.

#### **Health and Safety Executive**

HM Specialist Inspector – Electrical, Control & Instrumentation | March 2010 to March 2016

Operating within the Chemical Industries Division of HSE's Hazardous Installations Directorate, responsible for safety report assessment, accident investigation, inspection and enforcement associated with electrical power engineering, safety instrumented systems, electrical equipment for use in potentially hazardous areas and ignition hazard control across the full range of onshore chemical industry processes from oil refining and associated onshore oil-related industry, chemical and pharmaceuticals production, compressed gases, chemical storage, explosives manufacture and storage.

- Electrical power engineering lead for all (300+) COMAH top tier facilities within the UK;
- Representing HSE on electrical engineering matters with stakeholders on technical committees of professional and industry organisations;
- Preparation of technical reports and expert evidence;
- Developing HSE technical guidance to support enforcement activity and safety case assessment with respect to electrical power engineering at high hazard oil / chemical & pharmaceutical process plants (including HSG85, HSG230, COMAH EC&I Delivery Guide, COMAH EC&I SRAM);
- Expert Witness for the Court for matters relating to electrical, control and instrumentation engineering.

### **Eli Lilly and Company Ltd**

Engineering Group Leader | March 2010 to March 2016

Within a large scale Top Tier Major Accident Hazard site, Leader of a multi-discipline (electrical, instrumentation, mechanical) engineering team responsible for engineering safety and medicines regulatory compliance through delivery of continuous engineering improvement across a wide range of chemical processing plant assets.

### **Eli Lilly and Company Ltd**

Site Electrical Engineer | December 2005 to June 2007

Within a large scale Top Tier Major Accident Hazard site directly accountable for all aspects of electrical engineering design, construction, maintenance and safety as Duty Holder under the Electricity at Work Regulations 1989. Electrical distribution system included an extensive 11kV, 3.3kV and LV distribution network, HV (3.3 & 11kV) rotating machines and a 9MW 11kV CHP Facility. Accountable for the control of electrical and instrumentation ignition hazards, including lightning, radio frequency induction and static electricity within vapour and dust potentially explosive atmospheres through ensuring the availability of effective design, installation, inspection and maintenance management systems.

Senior Authorised Person, for operation and control of the Site Electrical Distribution System, up to and including 11kV. Authorising Engineer of Senior Authorised and Authorised Persons.

Lead Investigator in the event of electrical equipment or system failure, including leadership of investigation team members, investigation scope development, evidence preservation, examination and analysis, report preparation and identification of recurrence prevention measures.

### **The Associated Ocel Company Ltd**

Engineering Manager | November 2001 to December 2005

Within a large scale Top Tier Major Accident Hazard site, reporting directly to the Site Director as a member of the site leadership team, responsible for the effective delivery of the entire site capital project portfolio through the active leadership of project managers, multi-discipline design engineers and construction personnel. Leader of a multi-discipline (electrical, instrumentation, mechanical and process) engineering team.

**The Associated Octel Company Ltd**

Site Electrical Engineer | August 1998 to November 2001

Within a large scale Top Tier Major Accident Hazard site directly accountable for all aspects of electrical engineering design, construction, maintenance and safety as Duty Holder under the Electricity at Work Regulations 1989. Electrical distribution system included an extensive 33kV, 11kV, 3.3kV and LV distribution network, HV (3.3kV) rotating machines and electrolysis plant ac/dc conversion equipment. Accountable for the control of electrical and instrumentation ignition hazards, including lightning, radio frequency induction and static electricity within vapour and dust potentially explosive atmospheres through ensuring the availability of effective design, installation, inspection and maintenance management systems.

Senior Authorised Person, for operation and control of the Site Electrical Distribution System, up to and including 33kV. Authorising Engineer of Senior Authorised and Authorised Persons.

Lead Investigator in the event of electrical equipment or system failure, including leadership of investigation team members, investigation scope development, evidence preservation, examination and analysis, report preparation and identification of recurrence prevention measures.

**The Associated Octel Company Ltd**

Electrical Design Engineer | September 1994 to August 1998

Responsible for the preparation of detailed electrical design packages including all relevant calculations together with the associated project management for the full spectrum of electrical installations found at a large scale, Top Tier Major Accident Hazard petro-chemical and fine chemical manufacturing facility.