



SAM GREENWOOD

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SUMMARY

Consulting Forensic Engineer specialising in fire and explosion investigation; spread of fire; fire testing; fire protection systems performance; Building Regulations compliance; fire and intruder detection systems.

ACADEMIC AND PROFESSIONAL QUALIFICATIONS

BEng	Fire Engineering (The University of Leeds) 1999
CEng	Chartered Fire Engineer
CBuildE	Chartered Building Engineer
FIFireE	Fellow of the Institution of Fire Engineers
FCABE	Fellow of the Chartered Association of Building Engineers
MIFSM	Member of the Institute of Fire Safety Managers

EMPLOYMENT HISTORY

Geoffrey Hunt & Partners | Consulting Engineers & Scientists
Associate | 2014 to present

Investigation into the causes of fires and explosions.

Fire spread issues, particularly in relation to building design, construction and compliance with Building Regulations.

Fire protection systems performance.

Investigation of failures in intruder and fire detection systems.

Fusion Fire Engineering | **Arup Fire** | **WSP Fire**
Senior/Associate Fire Engineer | 2007 to 2014

Managing the design for fire safety, locally and internationally, in a wide range of sectors such as; **residential** (including The Shard, a 310m tower in central London), **commercial** (including Keels City,

Sri-Lanka, a \$750 million scheme, comprising an office tower, two five-star hotels with associated banqueting/ conference facilities, a shopping mall with ski centre), **industrial** (including Global Switch 2, a 14 storey data centre in London), **education** (including Tottenham University Technical College, integrating an educational establishment within a mixed use building), **retail** (including Bracknell Northern Retail Quarter, a shopping centre forming the core of an urban regeneration plan), **rail** (including London Bridge Station), **culture** (including William Morris Gallery, London), **hotel** (including Heron Plaza, a £105 million, 44 storey tower in London) .

Undertake fire risk assessments, for a range of sectors, of the suitability of facilities and management procedures in meeting legal requirements and maintaining robust levels of safety.

BRE

Consultant/Senior Consultant | 2001 to 2007

Provision of technical advice and support on fire safety to Communities and Local Government (CLG) during a four year secondment to the Department.

Drafting of technical responses on behalf of the Secretary of State, both parliamentary responses and responding to technical enquiries from Building Control Bodies, Fire & Rescue Authorities, political lobby groups and the public.

Representing the UK Fire Regulator in committees and technical forums such as the Arson Control Forum, Warehouse Working Group and British Standard BS: 9999.

Technical Secretariat for the last review of Part B (Fire Safety) of the Building Regulations in England and Wales. This role included briefing the Building Regulations Advisory Committee (BRAC) (Part B Working Group).

Drafting the current Approved Document B and dissemination of the changes to Part B and Approved Document B to Building Control Bodies, Fire & Rescue Authorities etc. throughout England and Wales.

Technical committee advisor for the Welsh Government on the implementation of the Domestic Fire Safety Measure.

Fire investigations on behalf of Communities and Local Government advising where buildings are compliant with extant provisions of the Approved Document B or not, and interpreting the effectiveness of these provisions in providing robust levels of fire safety for occupants.

Insurance key account manager, liaising with Insurers, ABI, CILA, Fire Insurance Surveyors Society and attending Loss Prevention Council technical meetings.

Providing training and lecturing for a number of universities and external bodies including the University of Leeds, University of South Wales, Association of Insurance Surveyors, together with providing training on BRE training courses.

Manage recreations of fire scene scenarios to support fire investigations both for BRE investigations and for Police and Fire Brigade investigations.

Fire testing, carrying out a wide range of fire resistance and reaction-to-fire tests for manufacturers.

Fire research for Government and on behalf of the Federation of the Built Environment.

McLarens Toplis

Loss Adjuster | 1999 to 2001

Loss adjuster, engaged with the managing of insurance claims on behalf of many different insurance companies, on site surveying of all forms of loss including fire, flood, criminal, storm damage, assessing extent of damage, liability on behalf of insurer, overseeing tender for any construction work or reinstatement required, approving/negotiating quotes and reporting all findings to insurers.

Acorn Security Alarms

Alarm Technician | 1991 – 1994

Responsibilities included the installation, service and repair of fire and security systems. Completed C&G 185 parts 1&2 (Emergency Alarm Systems) and C&G 185 part 1 (Electrical Installation Competencies).