

# Jason Hill

**CEng, CMEngNZ, FIFireE, MFireInv, MSc, BSc(Hons), IFE SIG IF&R Chairperson, IFE Global Director**

Jason's is a Chartered Fire Engineer with National Security Clearance (SC) and a career that extends to international work gaining extensive fire engineering and fire safety experience providing technical excellence within highly regulated industries, such a Nuclear.

Jason is an active member of many fire professional communities, he Chaired the Nuclear Industry Fire Safety Coordination Committee (2017 – 2019), he is also the Chair of the Institution of Fire Engineers (IFE) Special Interest Group for Industrial Fire and Risk, he is a Senior Examiner for the IFE, Charter applicant peer reviewer and a BSI Committee member for 7974-6.

Jason leads by example, in 2017 brought to life and hosted the UKs first Nuclear Industry Fire Safety and Risk Colloquium, with many distinguished speakers resulted in a truly international reach with delegates from all continents. Jason was also the Senior Fire Engineer at Horizon Nuclear Power providing fire safety advice and oversight for the UKs New Nuclear Development at Wylfa North Wales, which included emergency preparedness support, overarching fire strategy, site specific fire strategy, fire management policies and produced functional specifications for tender.

Jason has also brought to life fire educational platforms and tools such as FRED (Fire Related Educational Development) Talks aimed to provide detailed understanding though discussion and experiments, these talks are accredited with IFE CPD.

Other developments include; The Fire Safety Scheme, which provides oversight and governance to fire risk assessment undertaking.

YES – Young Engineer and Scientist, Developed and produced YES journal, supported by the IFE aimed to help students (ages 5 – 18) relate Science Technology Engineering Mathematics (STEM) topics with industry. The content takes everyday engineering problem (with a fire link) to show the application and importance of STEM, such as aircraft material science engine fire, fires in space, building fire spread.

## Primary Expertise

**Fire Safety Strategy** – led the development for Horizon Nuclear Power's site-specific fire safety strategy, which included benchmarking this work against other Nuclear Power Stations, such as reference plant TEPCO facility at Kashiwazaki-Kariwa in Japan and Exelon facilities in Chicago.

**Human Behaviour** - Detailed understanding for human behaviour during fire, as BSI committee member his work supported new development of 7974 Part 6:2019, application of fire safety engineering principles to the design of buildings. Human factors. Life safety strategies. Occupant evacuation, behaviour and condition

**Fire Investigation and Engineering Analysis** – undertaken a number of fire investigations to ascertain likely sources of ignition and provide detailed understanding to clients to ensure corrective actions are undertaken to prevent any such reoccurrences.

**Impact Assessment** – provided fire understanding to assist problem solving and risk evaluation

### Assisted Government working groups

Assisted government working groups for fire engineering, working group 3 (Fire Engineering) and working group 4 (Fire Risk Assessment) to author the competency criteria for fire risk undertaking and authorship of approved code of practise for fire risk undertaking.

IFE co-member of PAS9980:2021 Fire risk appraisal and assessment of external wall construction and cladding - Code of practice. A technical Steering Group

BSI – Technical steering group member for means of escape for disabled people

BSI – Technical steering group member for construction technologies, design and usage



### Qualifications & associations

- CEng 655712
- CMEngNZ 1029672
- RICS 6956158
- CABE C.Build E MCABE 66989165
- FIFireE 00022807
- MFireInv 141271
- MSc Fire Investigation and Fire Explosion
- BSc (Hons) Fire Engineering
- IFE IF&R SIG Chair
- Legal Experience Training  
Advanced Professional Award in  
Expert Witness Evidence  
(LETAPAEWE) level 7 (Masters  
level)
- **Primary Expertise**
- Fire Safety
- Fire Engineering
- Fire Impact Assessment

### Related Experience

- Assisted in the development of the IFE level 3 passive fire protection examination paper
- Lead the developed of the site-specific fire safety strategy Horizon Nuclear Power Station at Wylfa
- Chemical fire analysis within various industrial facilities
- Developed fire safety and fire science educational material
- Senior examiner for Institution of Fire Engineers
- Technical Advisory Group member for Institution of Fire Engineer
- Review Charter Applicants for Institution of Fire Engineers
- Chair of Industrial Fire & Risk Special Interest Group for Institution of Fire Engineers
- IFE Ethics Committee Member
- IFE SIG Human Behaviours
- IFE Senior Examiner
- IFE Global Director