

Dr Adam Ervine

Director, Fire Engineer



adam.ervine@bloomfireconsulting.com 0431 389 092 3/18 Hinkler Court, Brendale, Qld 4500

Experience

- 11 years commercial
- 8 years of academic

Areas of Expertise

- Building Fire Safety
- Structural Fire Engineering
- Timber Fire Design
- Passive Fire Protection
- Fire Risk Assessments
- Quantitative Risk Analysis
- Fire and Smoke Modelling
- Evacuation Modelling
- Fire Protection Engineering
- Façade Review and Coordination
- Special Hazard Assessments
- Code Compliance
- Peer Review

Sectors of Expertise

- Aged Care
- Airports and Aviation
- Childcare
- Commercial
- Correctional
- Education
- Healthcare
- Heritage
- Hotels and Resorts
- Industrial
- Public Assembly
- Residential
- Retail
- Stadia
- Warehouse

Profile

Dr Adam Ervine is a registered Fire Safety Engineer with 15 years of international academic and commercial experience, specialising in the review, assessment, and analysis of fire and its impact on structures, life safety, and the environment.

Over Dr Ervine's impressive career, he has amassed a wealth of knowledge and experience, gaining a reputation as a trusted expert in developing creative and cost-effective fire-engineered solutions that resolve even the most complex design challenges, all with an eye toward practical outcomes.

Dr Ervine has specialised content expertise in fire dynamics, structural fire analysis, occupant characteristics, computational modelling, and risk assessments. This experience spans diverse projects featuring a range of building types, including residential, hotel, retail, commercial, industrial, aged care, education, and airport facilities, in addition to mixed use developments.

Throughout Dr Ervine's career he has worked on some of the most complex projects and investigations around the world, including the analysis of the World Trade Centre collapse in New York, the structural fire analysis of the Te Pae Christchurch Convention Centre in New Zealand, the fire and life safety design for the renovation and refurbishment of Africa Hall in Ethiopia, as well as being the fire engineering lead on Queensland Australia's Queens Wharf, one of the largest building projects in the southern hemisphere.

Dr Ervine is focused on providing practical and cost-effective fire-engineered performance-based solutions. He develops tailored yet flexible advice that enables the project vision to be realised, grounded in technical excellence and clear client-consultant communication. Whether you have specific and defined code departures, want to understand your potential for value-add opportunities, or you need a fundamental fire engineering foundation, he is equipped to meet your objectives.

Qualifications

- 2012 - Ph.D. Structural Fire Engineering, University of Edinburgh, UK
- 2008 - MEng Civil Engineering, University of Edinburgh, UK

Registrations

- CPEng - Chartered Professional Engineer
- NER - National Engineering Register (Fire Safety, Structural)
- RPEQ - Registered Professional Engineer of Queensland (Fire Safety, Structural)
- Engineers Australia (IEAust), Member
- Society of Fire Protection Engineers (SFPE), Member
- Society of Fire Safety (SFS), Member



Registered Professional Engineer of Queensland

