



AEDGROUP
Innovation & expertise in building regulations

LEE CLARK

DIRECTOR, AED FIRE

PROFESSIONAL PROFILE

With more than four decades of experience in fire safety projects in the construction industry, Lee has significant expertise in delivering large and challenging projects across all sectors of industry. As a registered Certifier-Fire Safety in NSW, Lee can provide advice on all classes of building. Lee's registrations as a Fire Safety Professional Engineer in three states - NSW, Queensland and Tasmania - enables him to provide detailed performance-based compliance solutions and fire safety engineering for complex projects. These performance solutions include the use of fire and smoke modelling using Computational Fluid Dynamics, and egress assessments including 3-dimensional pedestrian movement models.

As Director of the AED Group's Fire Engineering Department, Lee leads his team of fire engineers, and ensures exceptional customer service. AED Fire services Sydney metro, regional NSW, south-east Queensland, Victoria and Tasmania. AED is well respected in the construction industry, with a reputation for integrity, professionalism and excellence.

Lee has undertaken fire safety studies across all industry sectors including high-rise, residential, commercial, industrial, transportation, healthcare and hospitality. Projects have included a wide variety of buildings such as data centres, defence facilities, hotels, exhibition and convention centres, warehouses, hospitals, airport terminal buildings, train stations, supermarkets, vehicular and pedestrian tunnels, iconic public buildings and structures, government buildings and heritage buildings.

Lee also has extensive experience in the design of active fire protection and detection systems for conventional buildings, industrial occupancies, defence facilities, hangars, data centres, transformers, LPG storage facilities, and petrochemical tank farms. This includes the design sprinklers, high and medium velocity water spray systems, gaseous fire suppression systems, fire detection system including smoke, flame and thermal detection systems, emergency warning systems, public address systems and nurses call systems.

TECHNICAL SKILLS

- Comprehensive Building Code compliance strategies
- Assessment of all buildings, unrestricted by class or size
- Assessment of complex alternative building designs under the Performance requirements of the BCA
- Development of Performance Solutions under the Performance Requirements of the BCA
- Liaison with authorities and consultants on a wide range of projects, including the provision of advice regarding BCA interpretation
- Development Consent consultancy and advice
- Assessment of Fire Safety Engineered designs and analysis regarding proposed Performance Solutions

CAREER HIGHLIGHTS

- Northside Storage Tunnel – assessment of egress provisions from underground pump stations.
- Randwick Racecourse pedestrian and vehicular tunnels
- Cross City Tunnel egress tunnels
- Kings Cross Tunnel refurbishment
- BATA Eastgardens extended travel distances in ceiling spaces for maintenance access.
- Eastlink Tunnel, Brisbane – internal review of Fire Engineering
- Sydney Olympic Park - developed extensive Performance Solutions for buildings
- Residential buildings constructed using Cross Laminated Timber
- University of Western Sydney Lecturer (2005-2007) for the fire safety engineering and building surveying courses.



ACCREDITATIONS QUALIFICATIONS MEMBERSHIPS

- Master of Fire Safety Engineering – University of Western Sydney
- Certifier – Fire Safety (BDC2770)
- NSW Registered Professional Engineer – Fire Safety (PRE0000045)
- QUEENSLAND Registered Professional Engineer – Fire Safety (RPEQ 20229)
- TASMANIA Licensed Building Services Provider – Fire Safety Engineering (681499836)
- Member of the Society of Fire Safety (SFS) with Engineers Australia No. 2017826
- Corporate Member, Association of Australian Certifiers

CONTACT

(02) 9571 8433

0421 336 543

lee@aedconsulting.com.au

Suite 3.04, 55 Miller Street, Pyrmont NSW 2009

6/13 Lyell Street, Mittagong NSW 2575

Level 4 Suite 33, 29 Kiora Avenue, Miranda NSW 2228

www.aedconsulting.com.au