

Our Solutions. Our Difference.

Prescriptive vs Performance Based Solutions

PRESCRIPTIVE SOLUTIONS

Building solutions for fire safety are generally prescribed by the relevant building codes, offering generalised compliant solutions to even complicated and non-standard designs. This approach of 'Deemed-to-Satisfy' (DTS) although providing compliance, is often not the best solution to managing the fire safety strategy. Variance in building age, functionality, architectural design, flexibility and requirements for higher levels of safety when resolved with prescriptive solutions can often lead to a standardised response with an expensive cost.

PERFORMANCE BASED FIRE SAFETY ENGINEERING

A performance-based fire solution offers several avenues of compliance with the end result being an engineered solution that provides a building specific solution, thereby achieving greater flexibility in design, opportunity for innovative solutions, improved functionality and efficiency of design, equivalent or improved levels of fire safety, and significantly more cost effective solutions.

Performance-based fire engineering is value-added engineering enabling the development of 'tailor-made designs' to cater for specific requirements of the building owner and occupier. The result is a level of safety acceptable to the community. Through consultation with the project stakeholders, co-ordinated during the early phases of a project, a clear fire strategy is produced to set the standard to be met by all from design through to construction delivery. This strategy and communication is then recorded and audited throughout the construction process, thereby simplifying the approval process.



We aim to be the fire engineering firm of choice by both clients and employees, offering:

- BCA assessments to identify non-compliances
- Performance-based fire engineered solutions.
- Occupant and smoke movement
- Structural fire engineering analysis of steel, timber, and concrete.
- Design documentation review to check for consistency with the Fire Safety Strategy
- Construction review of Fire Safety Strategy requirements.
- Peer reviews of fire engineering assessments.
- Interim Fire Safety Strategies to allow for partial building occupancy during demolition and construction works.

ADVANTAGES OF FIRE AND SAFETY ENGINEERING

While prescriptive provisions generally give only one suitable means of compliance, a performance-based solution offers several avenues of compliance. The end result being a performance-based fire engineered solution providing increased design flexibility and efficiency, opportunity for innovative solutions, improved functionality, equivalent or greater levels of life safety, and significantly more cost-effective solutions.

Performance-based fire engineering is value-added engineering, enabling the development of 'tailor-made designs' to provide building specific solutions.