



PEER REVIEW

Holmes Fire believes that a peer review should be a constructive process that offers the client, Certifying Authority and other Approval Authorities an additional assurance that the tools, methodology, and data used to develop an Alternative Solution have been utilised and implemented appropriately, in accordance with industry best practice.

Our clients request independent peer reviews on fire engineering projects due to the complex nature of the development; the extensive use of Computational Fluid Dynamics or evacuation modelling computer programs; or the need for endorsement of the Alternative Solution by an Accredited Fire Engineer. For buildings that incorporate numerous Alternative Solutions, our peer review will assess the holistic fire safety of the entire building to ensure that all fire engineered solutions fit together and deliver a functional, safe building.

Holmes Fire will objectively verify that the design methodologies implemented are in accordance with the International Fire Engineering Guidelines and that the analysis and data used are appropriate to the fire engineering issues. Our Accredited Fire Engineers offer specific and constructive advice regarding the suitability of the design inputs and acceptance criteria, as well as commenting on accuracy of assumptions and limitations. Holmes Fire's peer review process is one of value adding,

aimed at avoiding unnecessary delays in approval or acceptance of inappropriate solutions. Not only does a peer review demonstrate due diligence on behalf of the client, it can also serve to pre-empt likely requirements from the Fire Brigade. Holmes Fire also checks the fire engineering report for construction and installation requirements, to ensure they are adequate, but not too onerous, in achieving an appropriate level of fire safety.

Holmes Fire's role as peer reviewer can also extend to the construction and commissioning phase of the project. Holmes Fire is able to offer advice and comment on the appropriateness of commissioning tests (such as smoke tests), the acceptability of the design inputs and outputs based on the observed results and a review of the implementation of the required works.

