

## JMG EVACUATION MANAGEMENT EMERGENCY PLANS, PROCEDURE MANUALS AND EVACUATION DIAGRAMS

It is essential that your building's occupants know how to quickly and easily act in the event of an emergency.

Property owners and managers are responsible for ensuring that the fire safety and emergency response management systems are compliant to Australian Standard AS 3745-2010: Planning for emergencies in facilities.

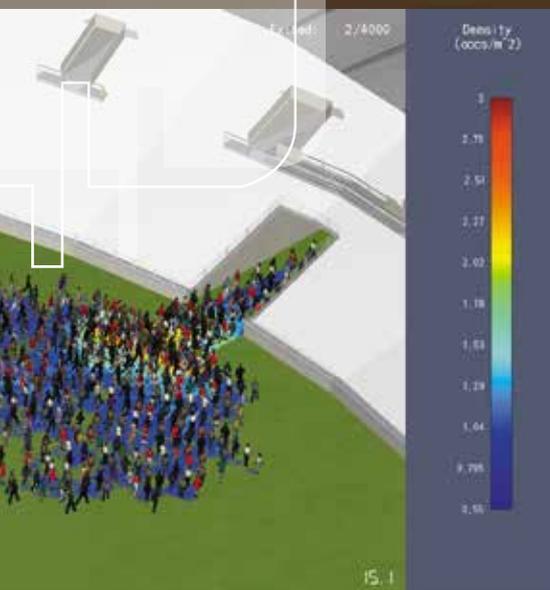
Maintaining fully compliant Emergency Management Plans, including accurate Evacuation Diagrams, are essential to meeting this requirement. Regardless of the size and complexity of a facility, continual effort is needed to ensure that the arrangements are effective in an emergency.

Effective Emergency Management Plans and Evacuation Diagrams can:

- Reduce the effects of an emergency
- Reduce the risks to life and property
- Minimise business interruptions

While it's impossible to prevent all threats and emergencies, building owners, managers and occupiers need to be prepared. We can provide extensive customised Emergency Procedures Manuals that address emergency mitigation measures, emergency preparedness and overall emergency prevention. The Emergency Procedure Manual will cover all emergencies relevant to your site including fire, bomb threat and medical emergencies.

Emergency Evacuation Diagrams are designed to provide building occupants and visitors with a clear direction of travel when they need to choose an appropriate escape route when trying to exit a building. All of our diagrams are compliant to AS3745-2010 and produced according to the relevant state/territory OH&S Legislation.





## JMG CROWD DYNAMICS AND PEDESTRIAN MOTION

JMG Fire Solutions have the technical expertise and the latest software to simulate and analyse crowd dynamics and pedestrian motion.

We have the capabilities to model almost any type of location, ranging from single storey shopping centres to multi-storey high rise office buildings to outdoor events and major stadiums.

By offering a 3D output, we can demonstrate how a design will work when a high volume of people are present and provide real-time visualisations.

By viewing how the geometry will function, we can predict potential issues and work out design solutions to avoid them, for the benefit of our clients.

As Fire Engineers we use the evacuation modelling to test and validate design configurations as well as to justify performance based building solutions.

Our Fire Engineering team uses the leading simulation software to predict occupant movement under normal and emergency conditions.

JMG Fire Solutions also have the ability to model the fire and smoke spread within a building and combine it with the evacuation simulation to provide our clients with the optimum fire safety solution.