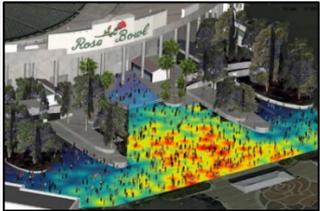
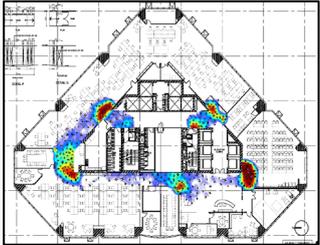
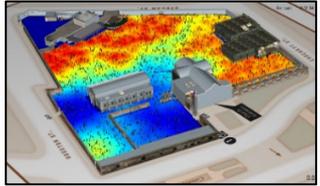


ASSAILANT IMPACT MODELLING

Helping you to make better informed decisions



Board directors are now looking for evidence from their organisations to be implementing resilience strategies to active shooter/assailant attacks. For many, the best first step is to obtain tangible evidence on current levels of risk exposure to better inform decision making. We can provide clients with bespoke assailant impact modelling, covering three core elements:

Element	Content	Visual
Egress Model Development	An egress model developed wherein building occupants are represented and a credible threat scenario is selected. Occupants are referred to as 'agents' and are populated with a set density throughout the site (interior and exterior locations).	 A 3D architectural rendering of a building complex with a color-coded heatmap overlaid on the ground and building surfaces, representing agent density or risk levels.
Risk Assessment	Occupant risk evaluated using an assessment of the time taken for individual agents to evacuate the premises and avoid the armed aggressor(s), active shooter(s), or marauding terrorist(s).	 A 2D architectural floor plan of a building with a color-coded heatmap overlaid, indicating risk levels across different areas of the premises.
Choke Point Identification	During mass egress of a facility by occupants, building and site geometry can result in a large volume of occupants moving through confined spaces and small openings. This results in 'choke points', which inhibit egress and are critical to capture in an armed aggressor assessment. Using the agent-based assessment, such features can be captured with reasonable accuracy and their relative significance evaluated.	 A 3D architectural rendering of a building complex with a color-coded heatmap overlaid, highlighting specific areas identified as choke points during mass egress.

Clients will receive a full report on the findings, including overall fatality and serious injury figures, and a list of recommendations on how to reduce the impact of an active shooter/assailant attack. The next step for clients is twofold:

- » Explore further security consultancy and risk mitigation activity
- » Explore the risk transfer options and how insurance can help

We can offer this service as part of a client's insurance programme, or on an unbundled basis.

For further information, please contact

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