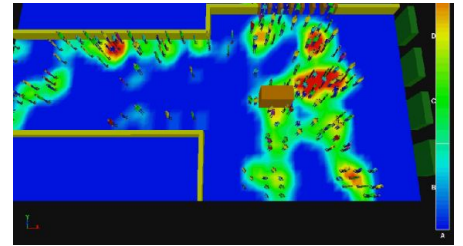


Pedestrian Planning and Modelling



The Need

Good pedestrian planning is a fundamental part of the design of any building, development or transportation facility. Free-flowing and convenient pedestrian movement within and between the above facilities is essential to their sound operation. MVA works with architects, designers, planners and operators to:

- ▶ Study pedestrian demand/space interactions.
- ▶ Confirm system/network feasibility.
- ▶ Optimise layout/circulation and operations.
- ▶ Demonstrate operational performance/ requirements.
- ▶ Ensure safety under both normal and evacuation situations.



Services Offered

MVA offers the full range of pedestrian planning services from conceptual master planning to detailed design.

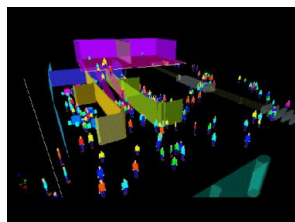
- ▶ Trip generation, distribution and demand forecasting

- ▶ Simulation modelling
- ▶ Local and district network planning
- ▶ Pedestrian impact assessment
- ▶ Pedestrianisation schemes
- ▶ Transport interchange planning and design
- ▶ Mass transit station layout optimization
- ▶ Retail malls and entertainment complex design
- ▶ Attitudinal surveys and market research

Outputs, Products and Usage

The outputs and products of the above studies are many and varied, and are tailored to the particular needs of the client. Specific examples would include:

- ▶ Real-time simulations demonstrating pedestrian flow patterns under normal and/or evacuation conditions.
- ▶ Quantitative analyses showing the performance of a pedestrian network and, if appropriate, areas where improvement is possible.
- ▶ Technical/operational/business strategy reports to convince Government/ business partners/operators and other stakeholders of the suitability and robustness of the design.



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