Mass Motion

The next generation of advanced software for simulating pedestrians and analysing crowds

MassMotion is the only tool that can predict the movement of hundreds of thousands of individual personalities in a complex 3D environment.

What will MassMotion do for you?

Our leading technology provides designers, operators and owners with clear information about crowding, usage patterns and occupant safety in a facility. This predictive power enables positive decisions to be made early in the design process with minimum cost and disruption. As designs evolve or issues arise, MassMotion can be used to conduct scenario testing for further optimisation of the program and form of a project.

Hundreds of thousands of individuals, each with their own agenda, responding to changes in real time.

Analysis

An important feature of MassMotion is its analysis capability. Once the simulation has completed, you can analyse how long it took people to get from one point to another, and tell you flow rates for doors, stairs and escalators.

Benefits

◆ The most advanced pedestrian simulation and crowd analysis tool available anywhere. Capable of simulation hundreds of thousands of individuals in a matter of hours, reducing simulation time by several days.

◆ Communicates complex problems in a highly visual manner.

◆ Save time, money and manpower during the planning phase of multi-billion pound projects.

What is MassMotion used for?

Rail and terminal planning- large, high density crowds and schedule-based activity with the ability to model neighbourhood dispersion including signalled road crossings.

Airport Terminal design and planning - including passenger movements from curbside through processing, security, retail and gating. Passenger activities can be linked to flight schedules and transfer matrices enabling robust exploration of operational sensitivities.

Fire and evacuation planning - validated multifloor evacuation for a range of building types.

District Modelling - Unparalleled scalability will enable the complete simulation of large swaths of urban areas.

Reporting - MassMotion also reports in a variety of ways, with visually engaging graphics, tabular and data driven outputs - there's not much you can't get out of your simulation.

Visit oasys-software.com to find out more about MassMotion

Oasys
YOUR IDEAS BROUGHT TO LIFE

Mass Motion
ADVANCED PEDESTRIAN SIMULATION SOFTWARE

Union Station, Toronto

Fulton Center, New York

Statistical & Spatial Analysis