



MassMotion is the next generation of advanced software for simulating pedestrians and analysing crowds.

**It is the most flexible tool that enables users to predict the movement of hundreds of thousands of individual personalities in a complex 3D environment.**

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 quickly and accurately test numerous layouts and various scenarios until the required design has been identified.

Using this advanced modelling software is a cost effective solution to visualize a range of real life scenarios, to manage the risks and improve the customer experience. MassMotion has a role to play on the drawing board, during construction and then as a management tool throughout the life span of any building and surrounding areas.

### Analysis

An important aspect 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 identify flow rates for doors, stairs and escalators. It will even help you understand what people can see as they move through a space.

### What is MassMotion Used for?

#### Rail Solutions

Use MassMotion to simulate passenger activity at Rail stations, testing new designs or identifying risks with potential renovations.

#### Fire, Safety & Evacuation

Simulate multi-floor evacuation and identify potential safety risks. MassMotion allows you to test numerous evacuation scenarios on various designs.

#### Event Planning

Test a wide variety of events, from cultural venues through major stadia and theme parks. MassMotion empowers designers to understand impacts of new developments or retrofits as well as new build designs.

#### Airport Planning

Set arrival and departure schedules to accurately predict visitor flow in and around the airport.

### Automation and workflows

#### CREATE

You can import CAD/BIM geometry with ease or build from scratch with inbuilt modelling tools.



#### SIMULATE



Simulate complex scenarios such as queues, security checks, evacuations and route closures.

#### ANALYSE

Diagnose potential capacity, flow and congestion problems early with verified evidence.



#### REVISE



Fix issues early, saving time, money and manpower during planning phases.

MassMotion can be further extended using our powerful Software Development Kit, automating tasks and embedding simulation in broader workflows. The intuitive inbuilt Script Object allows simple scripts to be run directly within MassMotion, ensuring all aspects of the modelling and scenario testing process can be streamlined.

