

MassMotion

ADVANCED PEDESTRIAN SIMULATION SOFTWARE

iFlow

PEDESTRIAN SIMULATION SOFTWARE

MassMotion and Flow are the next generation of advanced software from Oasys for simulating pedestrians and analysing crowds.

It is used by engineers, designers & planners worldwide to predict the movement of hundreds of thousands of individual personalities in a complex 3D environments.

It is important that buildings, large complexes and city districts are designed with occupants and pedestrians in mind. Our pedestrian simulations, analysis and modelling tools recreate crowds in real-life situations to identify safety risks and ensure engineers, architects and planners are designing safer and more efficient environments.

You can test complex designs quickly. Witness in real time how people will use the building or space you are simulating. Optimise layouts for space utilisation and a safer, more comfortable environment for people. And much, much more...

Download your free trial today from oasys-software.com

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.



Download your free 30 day trial version from our site today

Oasys
YOUR IDEAS BROUGHT TO LIFE

WHAT IT IS USED FOR



Airport
Terminal
Design &
Planning



Fire
Safety &
Evacuation
Planning



City &
District
Modelling



Stadia
Planning &
Maintenance




Office
Development



Rail &
Transit
Terminal
Planning

ULTIMATE PED SIM SOFTWARE

Capable of simulating  of people
100,000's within a
matter of hours, reducing simulation
time by several days.

Award winning software
With awards including
Construction Computing's
'Best Use of IT in an
Infrastructure Project' for
MassMotion's work on
Union Station, Toronto.

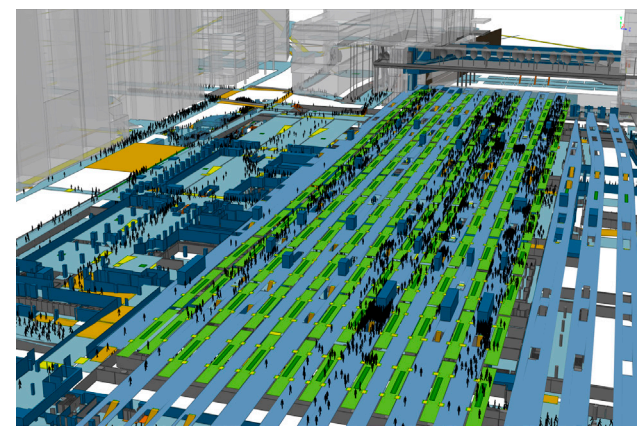
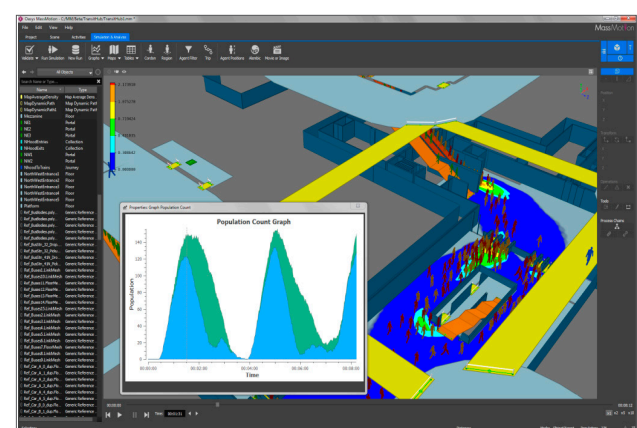
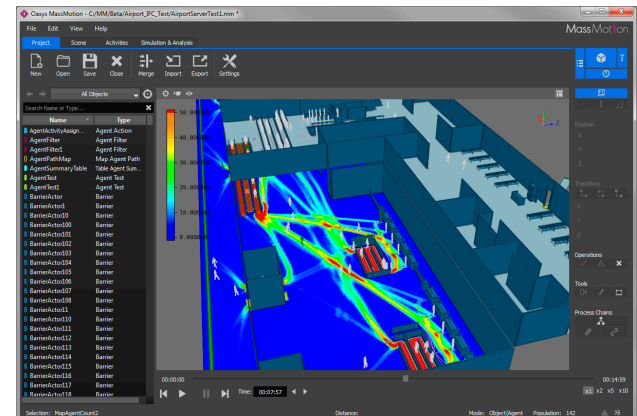
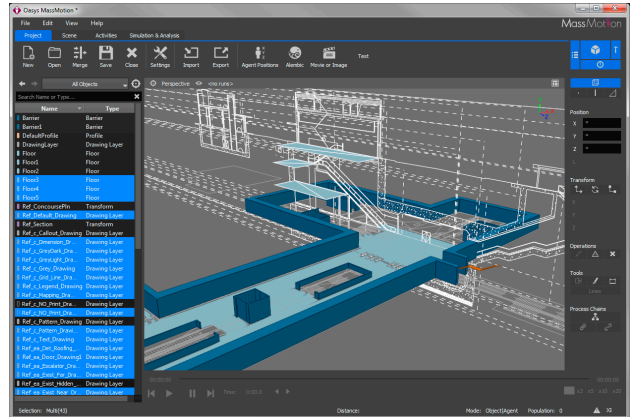


COMPATIBLE WITH YOUR FAVOURITE TOOLS



FEATURE LIST

	 iFlow	 MassMotion
Unlimited crowd sizes	✓	✓
Powerful 3D editing and simulation environments	✓	✓
Multithreaded 64-bit crowd simulator	✓	✓
BIM compatibility (IFC 2x3)	✓	✓
Complex crowd scheduling	✓	✓
Time controlled gates	✓	✓
Evacuation and circulation behaviour	✓	✓
Flexible and powerful SQL driven analysis tools	✓	✓
Realtime view of 3D results	✓	✓
Image and movie export	✓	✓
Ticketing and process modelling		✓
Dynamic agent properties		✓
Dynamic agent itineraries		✓
Logical control of agent behaviour		✓
Spreadsheet based scheduling		✓



BIM COMPATIBLE MODELLING

BIM is at the heart of the design of MassMotion and Flow. Users can rapidly transfer BIM models using the open IFC 2x3 standard. Work from 2D drawings or 3D BIM geometry or create from scratch using the inbuilt modelling tools, allowing you to edit models quickly whenever necessary.

TRUE WAYFINDING

The only pedestrian simulation software that has the ability to program individual personalities with unique agendas from start to finish in their journey through the environment. They will also respond uniquely to changes in real time, for example choosing to take the stairs when faced with congestion at an escalator.

IN-DEPTH ANALYSIS

Test and verify design assumptions based on objective and subjective analysis of simulation results, develop custom analyses such as queuing times and lengths, level of comfort, retail footfall, and optimum signage locations based on spatial, temporal, operational, and personal characteristics. With MassMotion, you can also import and test full schedules, such as bus or flight times.

HIGHLY VISUAL OUTPUT

The visual outputs make it easy to communicate to stakeholders in either 3D or 2D. The visualisation is both instant and links to software such as 3ds Max. MassMotion allows you to report in a variety of ways with visually engaging graphics, tabular and data-driven outputs, all presented as easy-to-understand graphics and visuals.

A SELECTION OF CUSTOMERS

**WOODS
BAGOT**



HATCH



dar al-handasah
shair and partners

Foster + Partners



KPF



ARUP

AECOM

“ We have found it to be intuitive and flexible. The thing that particularly impressed us was the simulation speed. We were able to run a large number of models much more quickly than we have been able to do with other packages. ”

Alan Kerr - Technical Director, BECA

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