



## Simulation environment for Event / Emergency / Evacuation Planning and Analysis



**New Product**

Large scale event planning with appropriate security and transportation plans where several thousands of people are expected is complex and difficult to achieve. Simulations of crowd dynamics along with accurate site representation provide scenario based analysis capabilities supporting decision making.

CrowdWays is a complete multi-agent simulation environment for event, emergency and evacuation planning and analysis. This collaborative environment simulating crowd dynamics is designed to support planning discussions based on analysis without distracting artefacts. Engineered to support simulation with more than 250 000 entities simultaneously CrowdWays is the solution to large event crowd management.

Ideal for recurrent events, CrowdWays will generate knowledge out of information and data. Used for initial planning, data collection and post-analysis CrowdWays will accelerate event planning and reduce the associated risk.

### KEY FEATURES

- Simulate large crowd
- Analyse crowd dynamics
- Easy site configuration
- Scenario based analysis
- Event impact analysis
- Compare scenario results
- Identify best possible plan
- Generate reports and graphics
- Collaborative environment

### APPLICATIONS

- Large event with massive crowd management requirement.
- Emergency service performances evaluation.
- Evacuation plan design and analysis.
- Public transportation requirement and schedules.
- Security planning and intervention analysis.
- Time management and analysis for event crisis.
- Comparison of the initial planning with the actual event results to create a lesson learned DB for future events.

### ANALYSIS CAPABILITIES

- On site people distribution through time
- Density distribution for specific areas
- People crossing counters
- Flow analysis
- Evacuation time
- Public transportation load and requirements
- Site accessibility for emergency & security services
- Choke point identification
- Efficient entrance and exit positioning
- Contact management
- Video, picture and document library



### ForwardSim inc.

2750, Einstein St. #260  
 Quebec city, Qc  
 G1P 4R1, Canada  
 Phone: (418) 650-3493  
 info@forwardsim.com

