PEDESTRIAN DYNAMICS®

Pedestrian Dynamics® crowd simulation software is the ultimate tool to model, analyse, optimize and visualize pedestrian crowds in any infrastructure.

APPLICATION AREAS

Pedestrian Dynamics® is applicable in a wide scale of domains:

- Stadiums & Arenas
- Museums & Exhibitions
- Events
- Theme Parks
- Shopping Malls
- Cities
- Airports
- Railway Stations
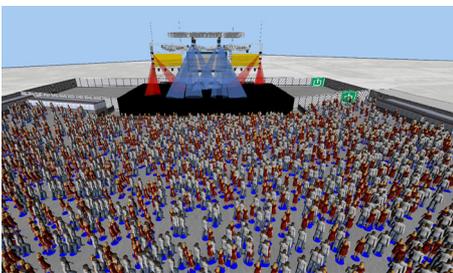- Passenger ships

INTRODUCTION

Pedestrian Dynamics® is an extensive and user friendly crowd simulation software application. It is designed for the creation and execution of large crowd simulation models in complex infrastructures. It can be used to evaluate the performance and safety of your environment in every phase of the life cycle; from design to operations.

Contact us for more detailed information or a demonstration of Pedestrian Dynamics®.

- www.pedestrian−dynamics.com
- www.twitter.com/pedestriandynam
- siminfo@incontrolsim.com

Pedestrian Dynamics®:

- Offers a rapid model building environment which saves time and costs. Only a few steps are required to model most complex operations.
- Is flexible, robust and easy to use.
- Has been used widely used in many large scale projects in most critical infrastructure environments including stadiums, airports, public transport terminals, mega events and urban planning.

With Pedestrian Dynamics® you can easily simulate large crowds and determine the density within the infrastructure.

BENEFITS

Pedestrian Dynamics® crowd simulation software has a proven track record to analyze and optimze large crowd flows. Crowd simulation enables you to:

Decrease costs: by optimizing the infrastructure during the design phase, high additional costs can be avoided during the operations.

Regulation compliance: help evaluate and address regulatory compliance with local and international safety mandates and norms.

Predict & anticipate: the model enables you to predict the crowd flows and anticipate.

Analyze the risk: analyze the risk and the safety of people and infrastructures in every phase of the life−cycle; from design to operation.

Optimize Evacuation: Develop, test and optimize evacuation and data−driven response plans.

Answer "What If": Quickly compare alternative designs and scenarios on−the−fly.

Improve commerce: Increase customer satisfaction by improving pedestrian flows, experiences and comfort and identify the commercial attractiveness of locations by flow measurements.

Present & convince: Effectively communicate with all stakeholders in the decision making process.

Operate efficiently: Optimize and increase operational efficiency within the given environment and with available resources.

KEY FEATURES

Pedestrian Dynamics® offers:

- Import of industry standards (CAD/CAD 2015, XML, CityGML and many more)
- Integrated 2D&3D models
- Fast simulation runs
- Simulation of large realistic crowds up to 100,000
- Explicit Corridor Mapping (ECM)
- Extensive set of model drawing tools
- Unique agent properties
- Domain specific elements
- Easy scenario definition
- Intelligent dynamic routing
- Microscopic and mesoscopic
- Integrated output module with automatic report generation.
- Easy movie playback and recording