CROWD FLOW SIMULATION
THEME PARKS PARKS, MUSEUMS, FESTIVALS

Are you faced with issues related to safety & security, capacity constraints and commerce? Simulation offers the solution to analyse the crowd flows in and around your park!

Our simulation software is used by:

CHANGING THREATS

The world is changing. Buildings and parks that attract lots of visitors will have to prepare for different kind of security issues;

- What effect do bag checks, search and detection gates have on the security process?
- How does an evacuation of the park take place in the event of an incident?
- Do the emergency facilities in the park have enough capacity?
- Do we have enough shelter capacity?

By using simulation software such as Pedestrian Dynamics, you will gain insights and answers on the most complex issues.

Ravinia Festival and the Museum of the Bible have used Pedestrian Dynamics to gain insights in future crowd flow to ensure the design met the desired goals.

Several theme parks such as the Efteling and Toverland already use simulation software. By simulating different scenarios, these theme parks are prepared for the safety & security issues of our time.

HOW CAN SIMULATION HELP YOU

We offer different solutions to create insight in your amusement park.

Simulation software:
This allows you to independently make a simulation analysis of your specific park with the associated scenarios.

Simulation services:
We take care of everything and deliver a detailed and visual report based on our simulation analysis.

Improve the safety and increase the revenue of your park by using simulation software!

BENEFITS OF SIMULATION

Simulation offers the solution to gain insight in your crowd flows, emergency plans and evacuation capacity. Simulating your facility offers you the following benefits:

- Determining commercially attractive locations, for example merchandise stores.
- Gain insight into the complete infrastructure, crowd flows, bottlenecks and (safety) risks.
- Analyzing waiting times at, for example, food and beverage outlets, toilets, inputs, etc.
- Evaluation of the available capacity and safety of passages, walkways, turnstiles, etc.
- Safety can be improved by designing and testing evacuation plans.
- Gain insight into the effect of special events or shows on specific locations.
- Different scenarios can be tested in advance, such as the in– and outflow of visitors during evacuations.
- Presenting the design of, for example, a shopping center or amusement park to stakeholders in 2D, 3D or VR visualization.
- Money and time will be saved by testing different functionalities during the design phase.

PEDESTRIAN DYNAMICS®

As a market leader in the field of crowd simulation & modeling, we offer both the software package and the knowledge to provide a complete crowd flow analysis for you. Pedestrian Dynamics® crowd flow simulation software is a proven product for analyzing and optimizing crowd flows.