People Flow Simulation for BIM - in the cloud

On-demand, no special hardware, no updates, no maintenance.

Next Generation Crowd Simulation
Why people simulation?
Plan and build fully optimized buildings and infrastructures.

**SUSTAINABLE**
Test the sustainability of your buildings and infrastructure regarding occupancy and people movement.

**EFFICIENT**
Assure the efficient use of planned infrastructure and buildings to avoid later refurbishments.

**SAFE**
Secure the safety of your buildings in fire or other emergencies already in the planning phase.

**OPTIMIZED**
Optimize occupancy and movement dynamics in business, retail and tenant spaces.
Focus on BIM & cloud simulation
Ped4BIM – The fastest and most integrated way to use people simulation in BIM.
Fully integrated with BIM
**IFC workflows.**

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<th>Compatible with IFC format</th>
<th>Automatic plan extraction from BIM</th>
<th>2D and 3D visualization</th>
<th>Normal &amp; evac simulation</th>
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Automatic simulation plan extraction from original BIM models

80% time reduction
Preparing BIM plans for simulation takes up as much as 80% of project time. This is now a thing of the past!
Ped4BIM provides a seamless integration and extraction of BIM to IFC.

Low friction workflow from BIM to Ped4BIM.
Integration of other formats (.dxf, dwg, and .svg).
Cloud-based simulation delivery.

On demand, no special hardware, no updates, no maintenance.

Desktop as a Service

Delivered as a DaaS solution, Ped4Bim provides full flexibility of application and cost performance.
Modern multi-panel graphical user interface.
A broad range of **analysis tools**.
5. Start simulation run

The Ped4Bim data viewer is subdivided into the following areas:

1. Display toolbar - grouping of tool buttons to navigate and control
2. Camera control panel - grouping of camera control elements (3D only)
3. 2D/3D display - view box for 2D and 3D rendering
4. Display control panel - checkboxes to set levels, objects, and agents visibility
5. Timeline and status bar - graphical timeline indicator and status information

Always informed with the Ped4Bim online User Guide.
1. MAIN SETUP DYNAMICS

START AND EXIT AREAS

Simulated facilities are tagged with start and exit areas according to expected crowd flows.
2. Agent profiles and paths

Origin / destination of groups

Definition of agent types and paths (origin / destinations) complement a simulation scenario.
BIM - in the cloud
On-demand, no special hardware, no updates, no maintenance.

Order directly a DaaS account or download on premise demo software.

Yearly returning subscription fee
Upgrades & support included
Introductory trainings
Project services available
The next step BPM = Building People Modeling

1. Ped4Bim’s cloud based software delivery and calculation provides the next generation of crowd simulation software.

2. BIM plan extraction of simulation plans allows time savings up to 80%.

3. Ped4Bim features provide your company the successful deployment of pedestrian simulation on time and in budget.
THANK YOU!