



3D Visualizations - Closer to a Realistic Simulation Reality

Visualization lies at the heart of simulation. SimWalk provides an integrated, two-level 3D module for 3D visualization. The two-level approach, consisting of the levels 3D-Easy and 3D-Expert, allows to optimally choose the appropriate level of 3D visualization for the given goal.

3D visualizations of passenger or pedestrian movement can significantly improve the understanding of pedestrian dynamics by authorities or other people involved in pedestrian simulation projects. SimWalk provides two different 3D visualization options that are either integrated (3D-Easy) or can be purchased as a separate module (3D-Expert):

3D-Easy

3D-Easy provides easy-to-use visualization in 3D. With 3D-Easy, fast and attractive 3D representations of the environment as well as standard human models deliver a first 3D impression of the scenario. If a more detailed visualization is required, 3D-Expert offers additional capabilities.



3D-Expert

3D-Expert is the tool for impressive 3D visualizations, allowing comprehensive capabilities for detailed representations of 3D worlds (stations, airports, city streets etc.) and human actors (age, clothes, type etc.). 3D-Expert is a post-processing visualization tool that can integrate 3D worlds and human actors in any desired level of detail.

Business Summary

SimWalk 3D provides scalable visualization options tailored to your needs. From ready-made 3D sketches to full-fledged, game-like 3D visualizations, SimWalk 3D module adapts to your goals.



World Building and Human Actors

3D-Expert visualizations are based on 3D plans in VRML 97 format that can be adapted and modelled in any standard 3D software. An integrated Model Builder component allows to create different pedestrian types, in addition to the standard library of human actors delivered with the 3D-Expert module.