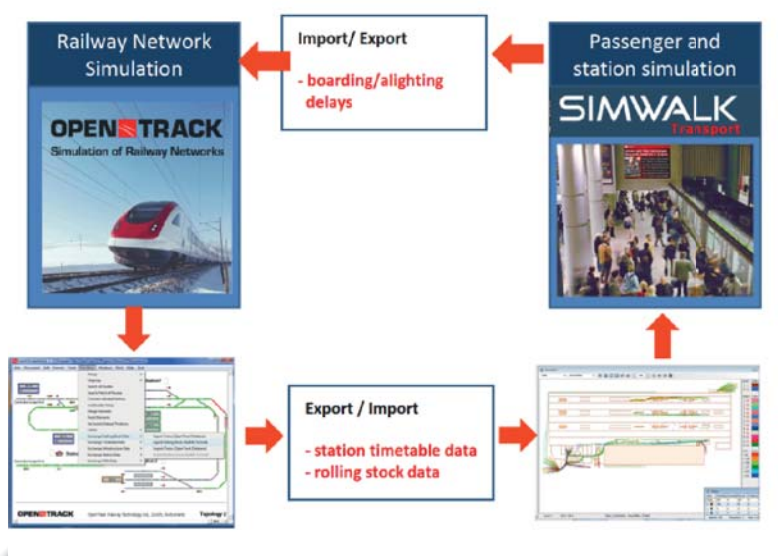


Combining Railway Network Simulation with Passenger Modeling.

Railway systems are complex infrastructures where effective operation and reliability depend on the smooth interconnection between system parts. Partnering with and integrating OpenTrack, a leading railway simulation software, SimWalk Transport offers the combination of comprehensive railway network simulation with passenger flow and station design simulation.

Integrating OpenTrack data allows to extend simulation and analysis of railway infrastructures beyond station design to whole networks.

SimWalk Transport allows to seamlessly import OpenTrack planned or simulated train arrival and departure data as well as rolling stock data. OpenTrack data are then building blocks for arrival/departure and boarding/alighting processes of passengers in SimWalk Transport. SimWalk Transport simulation data may further be re-integrated into OpenTrack for additional simulation and analysis.



SimWalk Transport

- Software for passenger flow and station optimization
- Analysis of passenger bottlenecks, delays and high densities in transport facilities
- Capacity evaluation and feasibility testing of transport connection devices (escalators, stairs etc.)
- 2D and 3D visualization of simulation results

OpenTrack

- Software for determining requirements of railway network infrastructures
- Capacity analysis of lines and stations
- Timetable construction and testing of robustness
- Rolling stock studies
- Calculation of power and energy consumption

Services

- SimWalk Transport Modeling Services include station modeling, implementation of the rolling stock library as well as timetable adaption
- SimWalk Transport 3D Modeling Services includes 3D station modeling based on customer specifications

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