



KEY BENEFITS

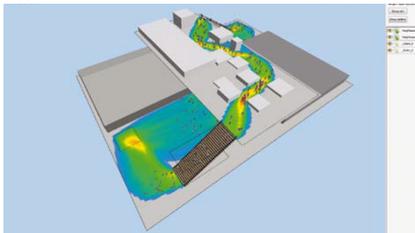
- Test and optimize complex large-scale systems without disrupting the real-time operation.
- Deal with uncertainties and variations of the system.
- Optimize your resources investment planning.
- Train your staff and prepare them for (emergency) situations.
- Model and analyse different scenarios and prepare yourself for the future.
- Test your system in an early phase of the design process.

To keep up with the growth within the world rail market, innovative solutions are required. Are you prepared for the future?

RAIL MARKET

The world rail market will see steady growth for the foreseeable future. Innovative measures are necessary to cope with this projected growth of transport demand. If traditional measures have been utilized already, rail operators and infra managers will have to focus on innovative approaches. However, the impact of innovations brings uncertainty to the decision makers and experts involved. Simulation can be used to significantly reduce this uncertainty.

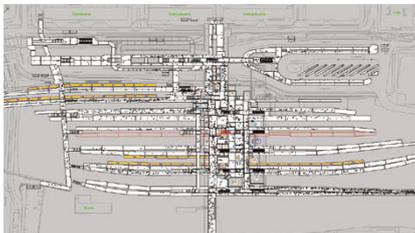
As rail utilization increases, optimization of the capacity allocation is vital in the railway industry. Using railway simulators, planners can improve their capacity analysis. However, a highly utilized railway network will be vulnerable to disturbances. Simulation software is the solution!



Visualization in 2D and 3D



Train the train drivers in a virtual world



Analyze pedestrian flows at transport terminals



Identify attractive commercial areas



Enhance timetable quality

RAILWAY SIMULATION

Railway simulation is a very effective method to assess the robustness of timetables given certain disturbances. With the help of statistical and graphical output analysis, bottlenecks in both the timetable and infrastructure can easily be pinpointed. Besides rail network performance studies, our railway simulation solutions offer our customers to:

- Test assumptions in design process of, for example, new rail infrastructure.
- Enhance insight in the operations.
- Development and testing of new operational rules and decision support.
- Bridge the gap between strategy and operations.
- Enhance timetable quality while maintaining the safety of passengers.
- Reduce energy consumption by designing new driving strategies.
- Training of train traffic controllers and train drivers.

CROWD SIMULATION ON PUBLIC TRANSPORT TERMINALS

INCONTROL offers a state of the art solution to combine railway simulation with crowd simulation on railway stations and public transport terminals. This solution enables our customers to:

- Incorporate rail infrastructure and timetables in the terminal design.
- Gain insight in the effects of changes in the track allocation of trains on passenger flows.
- Enhance safety by developing and testing passenger evacuation plans.
- Increase passenger satisfaction by improving pedestrian flows on railway stations.
- Identify the commercial attractiveness of terminal locations by flow measurements.

With decades of railway experience and knowledge INCONTROL Simulation Solutions has proven itself in the rail market and is therefore a great consultancy- and implementation partner.