

netwiss

Improved Efficiency of Passenger Cars



The layout of passenger carriages has a significant influence on the efficiency of rail operations. Properly planned layouts can save you high costs by reducing energy consumption, increasing the seat occupancy rate or reducing delays.

You can also significantly increase operational quality and customer satisfaction, as punctuality is greatly improved, more passengers find a seat and luggage can be stowed much better.

Poorly designed vehicles, where the main focus is on maximising the number of seats, lead to significantly longer dwell time, paradoxically to reduced potential occupancy, a loss of comfort for passengers and increased safety risks.

Based on over 20 years of research and development, netwiss has built up excellent expertise in co-operation with the Vienna University of Technology. In more than 35 international projects, the efficiency of vehicles has been significantly increased through various optimisation measures, from trams and metros to high-speed trains and night trains.

Your Benefits



Save Costs

Already in the design phase of vehicles, you can determine which variants will be particularly efficient and which will be less efficient. This saves high costs in later operation and for any possible necessary adjustments.



Research

TrainOptimizer is an optimisation tool based on more than 20 years of research in the field of passenger behaviour when boarding, moving, stowing luggage and sitting during a journey with public transport.



Observations

Based on exact behaviour observations of more than 400,000 passengers in almost 100 different vehicles, any new vehicle design can be assessed efficiently.



Knowledge

TrainOptimizer is based on the exact knowledge of travellers' needs and the resulting behaviours, which is why the results obtained are particularly accurate in reflecting reality.

Our Support for You

Two – also complementary – services are offered by netwiss to optimise the vehicles:

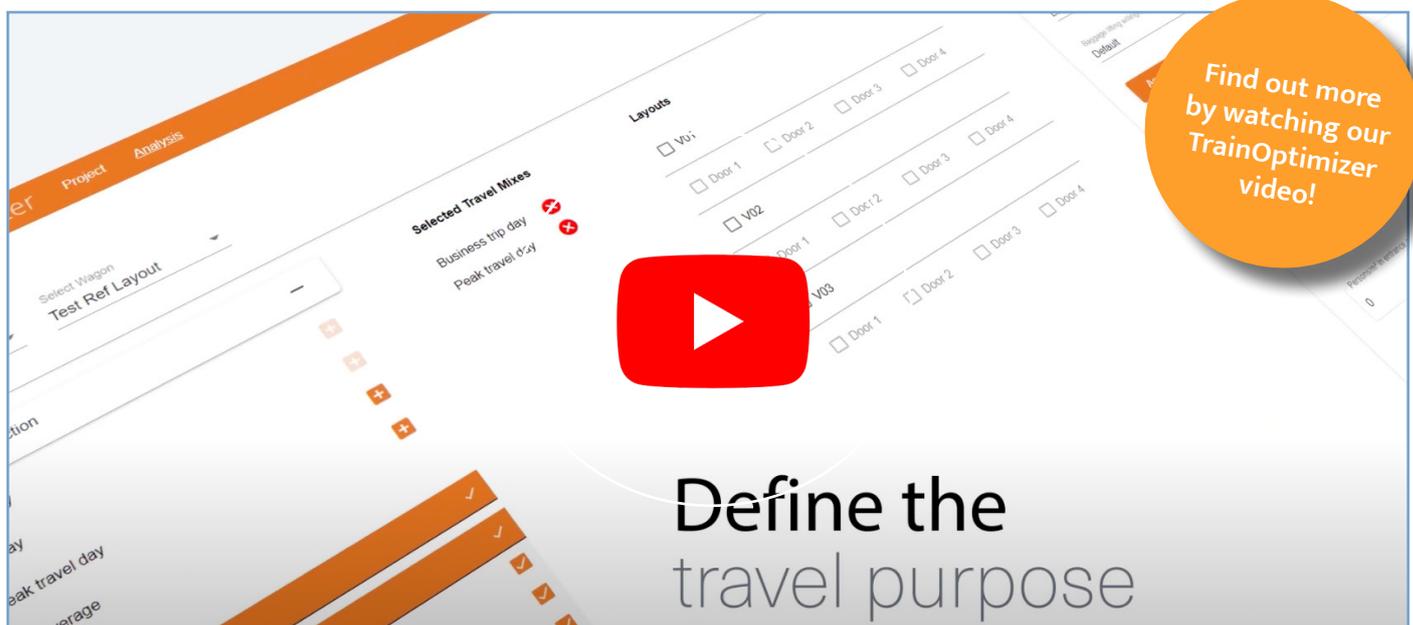
1. We advise manufacturers, operators, planners or purchasers and others from the first planning step and help to optimise all designs with regard to efficiency right from the start. We also analyse existing vehicle concepts and help to increase efficiency, e.g. with regard to redesign.
2. We offer a special software product called TrainOptimizer®, which is very easy to use and with the help of which you can assess and thus optimise

vehicle layouts yourself with regard to their efficiency.

With very little additional effort in the planning phase, very high costs can be saved during operation and, in addition, the operating quality can be significantly increased.

Insights into the software and also into our consulting services can be found at trainoptimizer.com.

We are available for non-binding enquiries at any time, please contact us at info@trainoptimizer.com.



Find out more by watching our TrainOptimizer video!



Define the travel purpose

TrainOptimizer

**Optimize passenger vehicles
and increase efficiency with
just a few clicks!**

Inter-City Trains
Night trains
High-Speed Trains
Local Trains
Light Trains
Metros
Busses

You are a

- rail vehicle manufacturer
- design or engineering company
- railway operator
- purchaser of transport services
- educational institution
- other institution

and you want efficient vehicles with

- short dwell time
- high occupancy rate
- best possible baggage stowing
- high passenger comfort

**then TrainOptimizer® helps you
to optimize your vehicles
with just a few clicks!**

With TrainOptimizer® you can very easily and quickly check any vehicle layout with regard to its efficiency and thus achieve significantly shorter dwell time and higher seat occupancy with increased passenger satisfaction at the same time through targeted optimization measures.



Let us show you TrainOptimizer®
without obligation!

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