

netwiss

Cost and Energy Savings through Intelligent Vehicle Layouts



We help you speed up
the boarding process



TrainOptimizer
by netwiss

The focus on high passenger utilisation increases costs and energy consumption, while well-designed layouts save money and energy!

It is important for operators to transport as many passengers as possible in order to fulfil the requirements of transport policy and at the same time to improve their own profitability. A common

approach is to increase the number of seats on the train. However, this ignores important principles that ultimately lead to the following:

1. The potential number of people to be transported decreases!
2. Energy consumption rises!
3. The costs rise!
4. Punctuality falls!
5. Customer satisfaction falls!

Why? Incorrectly designed layouts mean that the luggage racks on one side are incorrect and undersized. As a result, only part of the luggage can be stowed and the remaining pieces of luggage obstruct seats and aisle areas. This leads to a decrease in available seats and to major problems when changing passengers, which means that this takes longer and punctuality decreases or a lot of energy has to be invested in making up for delays by travelling at higher speeds.

Simple Measures – Up to 20% Energy Savings!

When the following points are taken into account when planning the vehicle:

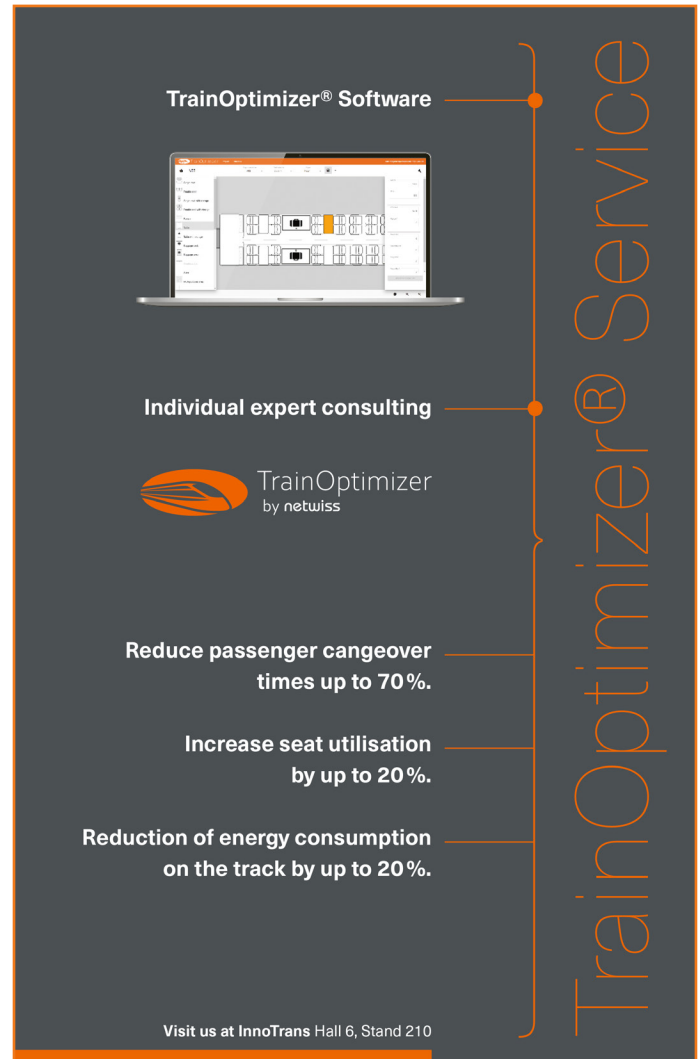
1. Good choice of door arrangement
2. Sufficient and customised dimensions of the luggage racks
3. Good distribution of luggage racks in the carriage

... then the following is achieved:

1. Reduce passenger changeover times by up to 70%!
2. Increase seat utilisation by up to 20%!
3. Reduced energy consumption on the track by up to 20%!

In addition, there will be a significant improvement in punctuality, comfort and passenger satisfaction.

With our TrainOptimizer® service, we are setting new standards in advising rail operators, the vehicle industry and anyone involved in the procurement and ordering of vehicles. Using simple measures, we show you how you can improve your layouts and significantly increase the efficiency and cost-effectiveness of your vehicles. Over 20 years of scientific research into passenger behaviour and the analysis of hundreds of thousands of passengers during rail journeys from our knowledge base, on which companies such as DB, SBB, ÖBB, Siemens, Alstom and many more have long



TrainOptimizer® Software

Individual expert consulting

Reduce passenger changeover times up to 70%.

Increase seat utilisation by up to 20%.

Reduction of energy consumption on the track by up to 20%.

TrainOptimizer® Service

Visit us at InnoTrans Hall 6, Stand 210

Simulation & Testing Services

relied. We have been able to significantly increase the efficiency of projects such as ICE3 neo, ICE4, ICE-L, Railjet, Railjet 2, Nighthjet and many more!

We offer TrainOptimizer® software to anyone who wants to check and optimise layouts independently. This makes it very easy to create layouts and improve them in terms of passenger changeover time, luggage storage and seat usability.

Curious? Visit us at InnoTrans in **Hall 6.1 at Stand 210** or watch our videos at www.TrainOptimizer.com. You are also welcome to use a trial version at any time!



Visit us at InnoTrans
in **Hall 6.1**
at **Stand 210**





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

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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