



research.

develop.

simulate.

test.

educate.

study.

educate further.

inspire.

convince.

explain.

A unique platform...

- for research and development in the railway sector - whether operational processes, interlocking technology, maintenance processes, planning, BIM;
- for the testing and inspecting of safety-relevant components and processes in the rail transport;
- for training and further education of various professional groups in the rail sector;
- for the development, inspection and testing of software in various areas of public transportation, including cyber security;
- for raising public awareness of the functioning and complexity of public transport;
- for attracting experts, as all professional groups found in the public transportation sector can be shown and experienced.

We are looking forward to seeing you!

We are happy to provide you with further information and bookings. We are also happy to support you in the preparation of research, development and training concepts in the railway operations laboratory. For seminars lasting several days, overnight accommodation and catering facilities are also available.



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Welcome to the unique
railway operation
laboratory

research

Universities, industry, planning offices - new innovative ideas can be researched at EBL.

develop

Whether new software for controls, processes, and much more - at EBL, new technologies can be developed together with the simulated original.

simulate and test

What is developed and researched must also be simulated. And of course many already existing processes.

educate

Aspiring persons having chosen a profession in the field of public transport can be educated in the EBL.

study

Whether bachelor's or master's theses - many things can be studied intensively at the EBL.

further education

The EBL and its partners offer further education in various courses.

explain

Public transport is complex. At the EBL, it can be explained quite simply.

inspiring

Staff and customers - both should be enthusiastic about public transport. At EBL, this is achieved in a convincing manner.

convince

Future employees in public transport must be convinced by it. The EBL helps with this.



The railway simulated with the model railway in addition with the original signal boxes as well as many original components of the railways results in the actual railway competence center!



Why a model railway

Yes, we have a model railway. But we are not a model railway club. We are a railway company. The model railways simulate the original which helps us to reproduce processes, procedures, techniques as in the original. Because the trains behave similarly to the original. The train line, the speeds, braking distance and starting speeds, and much more are simulated to scale to the original.

Concentrated railway competence

In our railway operation laboratory we combine a concentrated railway competence. With the help of many original showpieces, the railway can be brought to life. Even children can be inspired, not to mention students, engineers, train controllers and simply people who want to get to know the railway and its complexity.

Our infrastructure

Two large model railways form the core of the railway operations laboratory. Both are operated by means of original interlockings as well as control and information systems in use today (for example Ittis). Training and meeting rooms with modern communication equipment are available for seminars, workshops and meetings. Further simulations are available in the areas of driver's cab, BIM, asset management, customer information, IT. And of course, as a user, you may place requirements to us - we will be happy to adjust to them whenever possible.