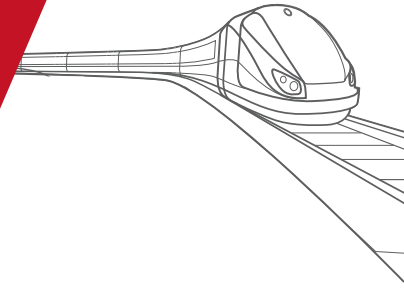


Research



• CHALLENGES

Our participation in international research projects on issues such as multimodal pricing, urban development, the development of new transport solutions and the improvement of existing systems is an opportunity for interactions, contacts and joint productions that enrich our know-how.

.....
**Participation in major
research projects ensures
TTK to always be at the
cutting edge of know-how**
.....

• OUR ASSETS

The objectives of the research studies in which TTK takes part are very varied and are generally focused on the optimisation of transport solutions.

TTK adapts its methodology to the specific needs of each research study: identification of the appropriate method, data collection and entry, analysis and interpretation of

• PROJECT EXAMPLE

What Potential for Innovative Transport Systems? Specifically, a new transport system in the form of an advanced magnetic levitation train (built and developed by TSB Transport System Bögl) was to be analysed.

The study examined the feasibility of this railway system from a technical, operational, economic and legal point of view. It was also important to find out whether it had any advantages over other traditional transport systems, such as trams or light rail. TTK was thus able to determine for the client the scope of application of the levitation train, in particular its suitability as a means of transport to connect the city of Munich with its airport and more generally to supplement and enhance its knowledge and expertise of urban transport systems.

The study also showed that innovative transport systems can be a competitive alternative to conventional rail-based transport systems. In the case of the magnetic levitation train, it was found that the optimal place of use was on heavily used urban railway lines - at comparable costs and with a high degree of operational flexibility.

This train is also better in terms of noise emissions and maintenance. However, the construction of a network of lines is more complex than that of conventional systems. Infrastructure costs are slightly higher than for trams, but lower than for metros and RER.

