

Feasibility Studies

» DESIGN OF PUBLIC TRANSPORT SYSTEMS

• CHALLENGES

In France, the development of exclusive right of way (ERW) transport systems such as tramway or BRT lines has proven to be an effective way of boosting the use of public transport in urban areas. Helping local authorities choose the right

Tramway and BRT lines designed integrating operational issues and restructuring of the bus service from the start

ERW project means helping them reduce their dependence on car mobility, and consequently reducing their transport-related emissions locally and globally. In a context of scarce public funds, it also means helping local authorities find solutions that offer the greatest efficiency and results per € invested.

• OUR ASSETS

TTK has a demanding vision of transport, aiming at the emergence of realistic, efficient and optimised projects. Each study is a special case, for which the best possible compromise must be found between the issues of system capacity and performance, the quality of urban integration, and multimodal integration, always with a view to designing projects that complement the existing bus network without depreciating it. The development of the transport project (choice of mode, associated multimodal network, operation, infrastructure) is always based on a shared analysis of needs, existing infrastructure, constraints and opportunities. Finally, the evaluation of the project and its variants aims to help the contracting authority choose the best project.

The services provided by the «Transport and Mobility» Department cover all stages of the upstream studies, from the initial preliminary studies to the socio-economic assessments and subsidy applications. Around Strasbourg and Karlsruhe, the teams of the «Infrastructure» Department also provide project management services for small and medium sized operations (infrastructure and civil engineering, station development, level crossings or noise barriers), taking charge of project studies, tender documents and then monitoring the work.

• OUR TOOLS

VISUM, VISSIM, OpenTrack, Autocad, CARD



Feasibility Studies

» PLANING AND REOPENING OF RAILWAY LINES

• CHALLENGES

Railway lines reopening projects are part of an approach maximising the use of existing corridors, enhancing the value of the railway heritage. They also contribute to the fight against climate change through a modal shift towards

An integrated multi-modal approach along and around rail corridors

public transport. At the same time, these developments contribute to the dynamism of peri-urban and rural areas, through innovative rail solutions.

These studies are mainly aimed at assessing the potential impact on the dynamism and attractiveness of the area around the lines to be reopened, as well as encouraging modal shift by offering solutions for reorganising mobility flows around stations. The rail solutions put forward are based on the territory's current needs, sometimes relying on the network operator or local government where appropriate.

• OUR ASSETS

TTK offers support to contracting authorities from the design to the achievement of projects. Our complete knowledge of the processes enables us to anticipate and resolve any technical or regulatory difficulties that may arise from the very first phases of the studies.

Our expertises:

Reopening of lines - Enhancement and transformation of railway heritage - Support for territorial development - Removal or elevation of road / rail crossings - Railway signalling - Transport economics - Railway planning

• OUR TOOLS

AutoCAD - Opentrack - Civil 3D

