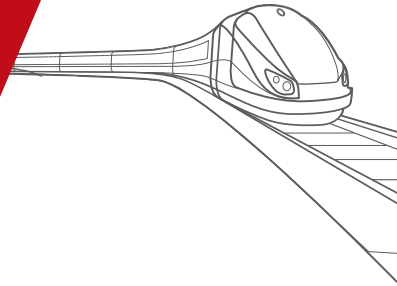


Transport Infrastructure Planning



» REMOVAL OR ELEVATION OF LEVEL CROSSINGS

• CHALLENGES

Making railways safe by removing a railway/road crossing is essential, as these intersections account for almost 30% of fatal rail accidents in Europe. TTK defines solutions for the separation of railways from roads in accordance with the national regulatory framework, taking into account the effects on urban development and on the various modes of transport.

TTK offers creative and customised security solutions

• OUR ASSETS

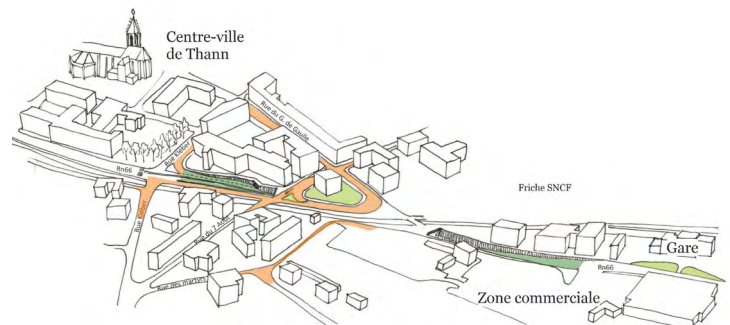
TTK strives to design a shared project, based on a multi-partner approach. Respecting the feedback obtained, the study teams strive to propose creative and tailor-made solutions to best meet local needs. This type of study is particularly adapted to the production of sketches and 3D renderings, both photographic and video, which TTK can produce.

TTK offers support to contracting authorities from the design to the completion of projects. This complete knowledge of the involved procedures enables us to anticipate and solve any technical or regulatory difficulties that may arise from the very first phases of the studies.

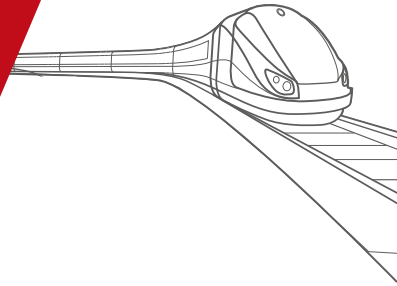
Our expertises: geometry - equipment sanitation - network signalling - engineering structures and rail mobility.

• OUR TOOLS

AutoCAD, Mensura, OpenTrack, FBS et VISSIM, VISUM



Transport Infrastructure Planning



» MAINTENANCE AND STORAGE SITE

• CHALLENGES

Studies on the sizing, location, construction and/or modernisation of maintenance and storage centres are at the heart of technical and economic projects aimed at developing and evaluating the best options for transport contracting authorities and/or operators.

Designing maintenance and storage sites that combine performance and optimisation

• OUR ASSETS

TTK provides its expertise in the design of an optimised spatial organisation of the maintenance and storage site, matching the best use of the rolling stock fleet, the shifts and the maintenance teams. The planning of the various components of the maintenance and storage site (storage, washing, pit tower, storage, pit tracks, gallery equipment, etc.) must be as logical and optimised as possible in order to minimise the movement of rolling stock on the site and to organise efficient maintenance.

TTK offers support to contracting authorities from the design stage to the actual implementation of projects. This complete knowledge of the involved procedures enables us to anticipate and solve any technical or regulatory difficulties that may arise from the very first phases of the studies.

» ROAD DESIGN

• CHALLENGES

Whether it concerns transformation, reorganisation, adaptation or maintenance of roadways, on any scale, TTK assists project owners with the technical, legal and regulatory aspects, in particular by acting on the following aspects:

- Accessibility for people with disabilities
- Intergration of active modes
- Geometry of the roadway, in particular to ensure turning movements and visibility
- Installation of street furniture
- Landscaping
- Burying of dry and wet systems
- Rainwater management
- BIM (Building Information Modeling).

Creative and tailor made solutions for road development, from design to implementation

• OUR ASSETS

Our teams will listen to you and offer you optimised technical and financial solutions that meet the site-specific characteristics, as well as your budget. We simultaneously take care to adopt a high environmental quality (HEQ) approach in order to ensure that our projects are consistent with the requirements of landscape integration, safety, quality of life and respect for the environment specific to each context.

TTK offers support to contracting authorities from the design stage to the actual implementation of projects. This complete knowledge of the involved procedures enables us to anticipate and solve any technical or regulatory difficulties that may arise from the very first phases of the studies.

• OUR TOOLS

AutoCAD, Mensura