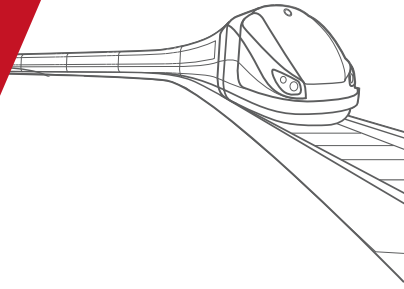


# Mobility Planning



## » MOBILITY SCHEMES

### • CHALLENGES

Public authorities plan the development of mobility on their territory through the realisation of different key documents, including sustainable (urban) mobility plans. These documents set establish the conditions for the development of different modes of transport and take consideration the reduction of the environmental impact and the promotion of alternatives to the private car. In this context, mobility schemes are developed with the local stakeholders to determine new short, medium and long-term organisational solutions, based on a mix of measures adapted to each case, including car sharing, cycling schemes, improvements to public transport and even Exclusive Right of Way projects where appropriate.

Planning together visions of a more sustainable and shared mobility

### • OUR ASSETS

TTK assists public authorities in defining a strategy that is co-created with all the stakeholders in the area (elected officials, civil servants, citizens, associations, companies, institutional partners). We carry out thorough analyses of mobility conditions in order to target the local challenges and opportunities and carry out consultations with the various stakeholders in the area in order to target constraints and expectations. On this basis, we build contrasted scenarios to imagine together the mobility of tomorrow.

Our expertises: Mobility analyses - Transport plans - Spatial planning - Urban planning based on PTs - (public) consultations

### • OUR TOOLS

VISUM, QGIS



## » TRAFFIC AND PARKING

### • CHALLENGES

Current environmental, societal and economic issues are challenging the place of cars in cities. But in a society where the majority of journeys are still made by car, a global reflection is often necessary to identify the best strategy to give the car its rightful place. As the car is parked about 95% of the time, the challenge of optimising parking is also important. This can free up space for other uses, especially in urban areas.

Giving the private car its rightful place

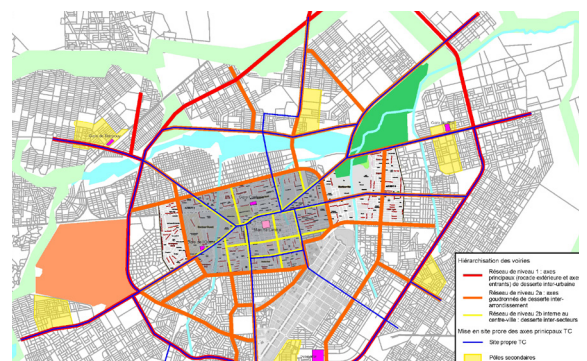
### • OUR ASSETS

TTK carries out strategic studies on the way the automotive system works. In order to rebalance the modal split towards a greater use of public transport and active modes, the objectives of our studies are to rethink the overall organisation of the road network and accessibility by car, as well as optimise the parking system in order to meet demand and free up space for other modes or uses. TTK carries out traffic plans, parking plans, and impact and modelling studies. We are involved in all stages of these projects: from the assessment of the situation, through the proposal of scenarios, to the development of action plans and the study of the impact of proposals.

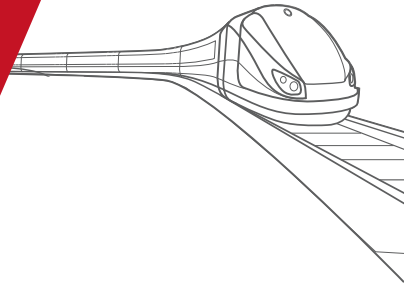
Our expertises: Development of strategies - comparison of scenarios - proposal of action plans - traffic modelling

### • OUR TOOLS

QGIS, VISUM, VISSIM



# Mobility Planning



## » SHARED MOBILITY

### • CHALLENGES

Recent years have seen the development of new forms of mobility, particularly in the shared car ecosystem. These innovative solutions pursue various objectives: sharing of existing vehicles, complementing public transport services, reducing the transport budget of individuals in a context of rising fuel costs, reducing emissions, etc.

#### Supporting new forms of mobility

Supporting the development of carsharing solutions is a key issue for local authorities.

### • OUR ASSETS

TTK assists public authorities in the implementation of carsharing master plans based on: the definition of a general and comprehensive strategy, the establishment and improvement of carsharing parking spaces, the definition of planning guidelines, the identification of related services and the evaluation of their potential at the appropriate scale, and communication strategies.



## » TRANSPORT ON DEMAND

### • CHALLENGES

On demand transport services generally complement existing public transport services in peri-urban or rural areas.

#### An adapted transport, closely meeting needs

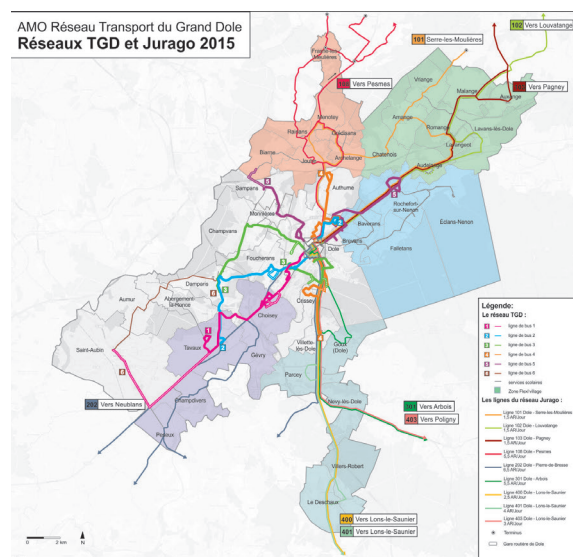
There are many types (virtual line, zonal, end of line) that meet the different needs of users. They are above all quality local services that open up

whole areas to public transport and make facilities or transit hubs accessible.

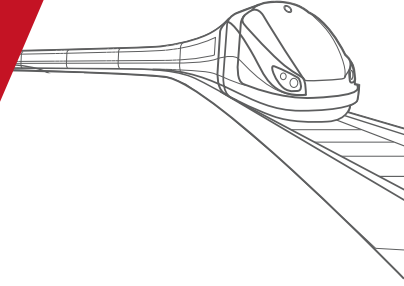
### • OUR ASSETS

TTK assists local authorities in studying needs upstream (diagnosis of the mobility offer in the area to be served, population to be targeted), benchmarking solutions in similar areas, defining the offer to be implemented (types of service, details of operation, estimate of investment and operating costs, assesment of demand according to the offer) as well as monitoring the contractualisation of the technical aspects.

TTK also regularly carries out analyses of existing services to identify strengths, weaknesses and areas for improvement.



# Mobility Planning



## » STRATEGIC RAIL PLANNING

### • CHALLENGES

#### A renewed ambition for rail transport

At a time where central governments are increasingly passing on the organising and structuring of rail networks to local authorities, the question of the articulation and synergy of long-distance (High-speed and Intercity), inter-regional and local services is becoming a major issue in the development of railway projects. In addition, the need to offer new capacity for freight must be taken into account. Furthermore, the move towards timetable synchronisation, the opening up to competition, and environmental ambitions open up new prospects and opportunities for rail development and its articulation with other modes of mobility.

### • OUR ASSETS

TTK has been working for many years on these issues with a strong ambition: to help the local governments and rail stakeholders to develop consensual projects offering the maximum performance for long distance, freight and/or local rail transport.



## » INNOVATIVE MOBILITY

### • CHALLENGES

From solutions for dispersed mobility in rural areas with small automatic shuttles on road or rail, to high-capacity transport systems such as magnetic levitation trains, new concepts of transport systems and modes are constantly emerging.

#### Our experience in the feasibility analysis of emerging transport systems

To name just a few, these include systems such as autonomous shuttles, automatic trams and trains, peplemovers, magnetic levitation trains, trains and buses with decarbonised propulsion, modular systems, concepts such as «TaxiRail», «Urban loop», «UpBus», «MonoCab», «Ottobahn»....

How do these systems respond to the specific challenges of different areas?

What is the contribution of these systems compared to «classic» transport systems? How can their relevance be judged?

### • OUR ASSETS

TTK assists local authorities in analysing the relevance, feasibility and viability of innovative mobility systems. We closely observe the development of this sector and through our studies and benchmarks carried out over the last few years, we have acquired solid expertise and knowledge of these kinds of systems. This enables us to carry out studies for local authorities to assess the relevance of deploying these innovative modes. We analyse and compare the technical, financial and organisational characteristics of different types of innovative mobility systems and then put into perspective their development potential and their ability to meet the concrete mobility needs of the territories.