



# INFORM

ISSUE 20 10/2017 // Journal of TransportTechnologie-Consult Karlsruhe GmbH



•••  
Dr. Alexander Pischon  
Managing Director, AVG

•••  
Dr.-Ing. Rainer Schwarzmann  
Managing Director, TTK

•••  
Dr.-Ing. Udo Sparmann  
Managing Director until Juli 2017, TTK

•••  
Dipl.-Ing. Christian Höglmeier  
Managing Director, TTK

•••  
Dipl.-Ing. Thomas Ferrero  
Managing Director, PTV Transport Consult

## CHANGE IN MANAGEMENT AT TTK

### RESTRUCTURING COMPLETED

With the farewell party for long-term Managing Director Dr.-Ing. Udo Sparmann and the joining of Dr.-Ing. Rainer Schwarzmann, the change in management has been successful. According to the partners' request, Christian Höglmeier, acting as Managing Director since 2016, and Rainer Schwarzmann shall jointly shape the future of TTK and extend the companies' activities. They have both gained many years of experience in consulting in transport and infrastructure companies.

Both parent companies, AVG and PTV, rely on synergies and cooperation with TTK when it comes to infrastructure planning, which Christian Höglmeier is responsible for, and transport planning, which Rainer Schwarzmann is in charge of.

In view of a growing public transport market and high-level investments in the public transport sector

in the foreseeable future, TTK has decided to put international business activities on its strategic agenda, alongside with strengthening its two home markets Germany and France. For this purpose, their portfolio will be expanded and their holistic approach intensified. They will also focus on strengthening cooperation with national and international partners.

First successes have already been achieved. In the area of infrastructure planning, TTK has successfully passed the prequalification process of Deutsche Bahn AG. This opens up the potential for additional business. And in the field of transport consulting, TTK was awarded a contract by the World Bank for a consulting project regarding the expansion of the tram network in Antalya (Turkey).

For further information, please visit the following pages. We hope you will find them interesting!

## ➤ "SRADDET"

### New regional development plans as an incentive for regions to develop an integrated multimodal vision of transport in 2030

With the new law "NOTRe", which entered into force in 2015, France has initiated a comprehensive reform of its administrative areas. In January 2016, it founded 18 new regions based on the existing 27. The new local authorities were assigned new competences and tasks, such as the obligation to elaborate a sustainable and integrated regional development plan (also called SRADDET).

Within this context, the Provence-Alpes-Côte d'Azur region has scheduled the development of a SRADDET for December 2017. The plan is projected to be put into action at the end of 2018. In order to achieve this ambitious goal, a consortium of consulting firms

under the auspices of TTK was commissioned to plan the transport infrastructure and intermodality.

The companies Transitec, Stratis, Kommodite, Cerema and TTK will assume the following tasks over the course of the year:

- Analysis of the results of public meetings on transport, organized jointly with different stakeholders of the region
- Inventory of mobility and its development from 2005 to 2015, analysis of supply and demand in local public transport, definition of medium-term and long-term action fields
- Suggestions for a regional mobility strategy, in the medium term until 2030 and long term until 2050, taking into account risks and challenges
- Identification of main transport axes (for road transport, public transport and cyclists) as well as of multimodal link points and bus terminals in the region
- Implementation of the strategy by setting objectives and rules
- Assistance and support for the region in dialogue with the relevant transport authorities and client bodies, collection of their proposals to establish a joint set of rules
- Planning and implementation of transport infrastructure and intermodality, which in turn is included in regional planning (SRADDET)



●●●●●  
CONTACT  
Sarah Moraillon  
sarah.moraillon@ttk.de

## ➤ BUILDING INFORMATION MODELLING AT TTK

Under the campaign "Digital planning and construction" lead by the German Ministry of Transport, Building Information Modeling (BIM) is meant to be introduced for all transport infrastructure projects by 2020.

BIM is a work method used in engineering and construction. It is based on a digital, consistent construction model that includes object-oriented 3D-modelling and visualization techniques. By attaching attributes, you can model additional "dimensions", such as costs or appointments.

This year, TTK will fulfil the requirements for implementing BIM. These include extensive investments in hardware and software as well as training courses for employees.

The aim is to improve planning quality, increase project management efficiency and provide optimal service for customers working on the PR content of infrastructure projects.

A pilot project has been scheduled for this year. It will be an exciting challenge for all employees.

●●●●●  
CONTACT  
Gesine Krannich  
gesine.krannich@ttk.de

## CONSTRUCTION SUPERVISION AT SCHÖNBUCH RAILWAY

Last November, ground was broken for the construction of the new depot. And since May 2017, an extension of the tracks has been underway.

The engineering consortium Schönbuchbahn, under the responsibility of TTK, started 2017 by recruiting experienced staff to meet internal and external service levels. The Albtal-Verkehrsgesellschaft is now responsible for site management and TTK is further supported by additional offices in the region.

Field clearing work was carried out during the low vegetation period until February 2017. Once the first cable routing has been completed, service operation of the Schönbuch Railway will be ceased from August 2017. The track to be renewed can then be dismantled and removed and construction work in the danger zone can be started. First the paths parallel to the tracks must be relocated in order to tip the embankment or widen the cut for the second rail track. This requires extensive earthwork (over 100,000 m<sup>3</sup> of soil) which will be supervised by a specialist firm for waste management.

The most challenging measures will be the removal of the level crossings in Böblingen and Holzgerlingen. In Holzgerlingen, approximately 750 m of rail tracks will be lowered to allow the train to run underneath



the road in Holzgerlingen. In Böblingen, it will be the other way around. The road will run underneath the newly constructed railway track.

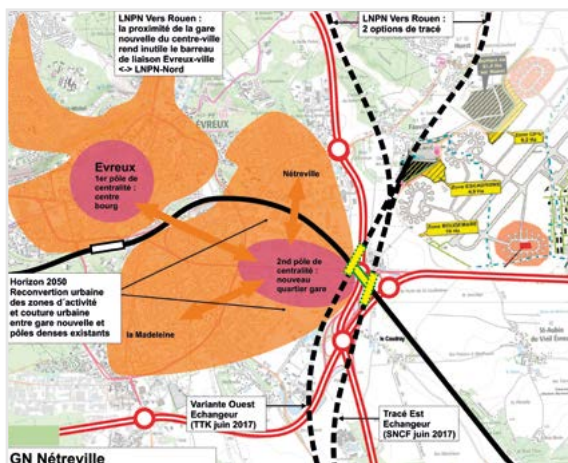
The award process for the technical equipment required for the overhead line and the control and safety systems is currently ongoing.

After completion of the construction project at the end of 2019, the Schönbuchbahn railway will have been entirely overhauled. The rail track will then be electrified and equipped with modern signalling and rail crossing equipment as well as with double track encounter sections. At peak times, this allows for a 15-minute rail service which is coordinated with the timetable of Stuttgart's regional rapid transit railway. The Schönbuch region and its county Holzgerlingen will then provide an excellent connection for commuters and students travelling to Böblingen or Stuttgart.

CONTACT  
Helmut Wößner  
helmut.woessner@ttk.de

## LONG-TERM PLANNING OF RAILWAY STATIONS AND LINES

### A holistic view of urban development, services and infrastructure planning



Since 2016, TTK has been supporting the Department of Eure and the agglomeration Seine-Normandie in determining a joint strategy for future access to the new railway line Paris – Normandy by 2050.

Based on its 30 years of experience with stations built on new lines, TTK has suggested a scenario that would sustainably support urban and regional development as well as railway operation.

A railway node on the edge of the Evreux town area, for instance, could support the increase density of residential zones and improve access to transport systems.

This edge of this town area is now considered a new option and is being further examined by the client, in addition to the first two options which envisage a station in the middle of nowhere.

CONTACT  
Marc Perez  
marc.perez@ttk.de

---

## LATEST NEWS

---

### +++ DEUTSCHE BAHN QUALIFICATION +++

TTK GmbH was prequalified as a DB planning office in March 2017. Prequalification allows the company to plan DB's rail tracks, level crossings, platforms, railway bridges and pedestrian overpasses and underpasses. It is valid until 2021.

### +++ KEMPTEN +++

In close cooperation with the Bavarian railway company, the district of Oberallgäu and the city of Kempten, TTK is working on an operational concept for the regional train Allgäu. Jointly with the client bodies, TTK needs to decide on which cross-regional connections to keep and which additional, regional connections must be added.

### +++ HEILBRONN DEPOT +++

In conjunction with the depot extension for inter-urban trains at Heilbronn train station, additional plans regarding Heilbronn's central bus and coach station are being developed. TTK is planning the implementation of an intermediate state that shall be realized by 2019.

### +++ ANTALYA +++

TTK and its Turkish partner office (Boğaziçi Proje Engineering Inc.) were commissioned by IFC (an institution of the World Bank) to perform an analysis of the interurban railway operation in Antalya in terms of efficiency, safety and accessibility. In the context of benchmarking, potential areas of improvement shall be identified for the planned extension of the inter-urban railway, which is co-financed by IFC.



### +++ CORSICA +++

After having carried out two studies regarding the planned reinforcement of transport infrastructure between Bastia and Ile-Rousse, TTK remains the go-to company for the territorial collectivity Corsica: The third study, which is currently being conducted, analyses and compares 3 scenarios with light rail vehicles around the conurbation of Ajaccio and examines the option of adding a station in Bastia for travel towards the airport for the time period 2020-2030.

### +++ THE TECHNOLOGY REGION OF KARLSRUHE (TRK) +++

is a trendsetter in terms of future-oriented mobility. The TRK showcased its competencies in this field before mobility experts from all over the world at the Global Public Transport Summit of the International Association of Public Transport (UITP) in Montreal, Canada, from 15-17 May, 2017. A local expert delegation, under the leadership of the Karlsruhe Mayor Dr. Frank Mentrup, presented the regional mobility concept and introduced relevant stakeholders and current research projects in separate sessions during the trade fair and congress of the summit. TTK was a member of the expert delegation and informed interested parties about the latest projects and references in the region.

---

## FLAG

### Contact

TransportTechnologie-Consult Karlsruhe GmbH (TTK)  
Gerwigstraße 53 / 76131 Karlsruhe, Germany  
TEL +49-721-62503-0 / FAX +49-721-62503-33  
info@ttk.de / www.ttk.de

### Editorial Stuff

Nathalie Mohr  
nathalie.mohr@ttk.de

---