EMPIRICAL SPEED DATA:

NEW POSSIBILITIES TO TRAFFIC ANALYSIS

Since 2007, over 5 trillion anonymous consumer-driven GPS based measurements have been collected from TomTom users around the world. With this Floating Car Data TomTom has created one of the world's largest traffic databases with empirical speed data, covering more than 40 countries. We offer you now access to this data that opens the door to completely new possibilities in traffic modeling and analysis.

QUICK AND EASY AVAILABLE

Area-wide data about historic speeds and traffic conditions provides valuable information to traffic planners and decision makers. To obtain such data was, until now, difficult and based on cost-intensive surveys. With TomTom data, we are able to offer you this information now cost-efficient and ready to use in PTV Visum or PTV Vissim.
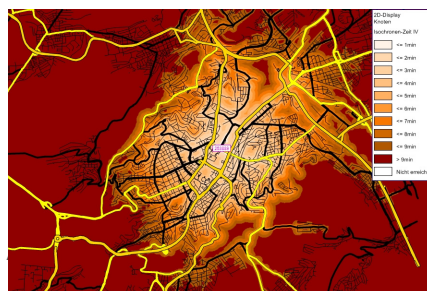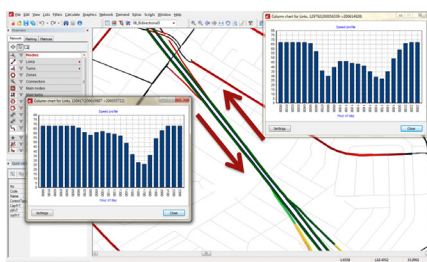
NEW POSSIBILITIES

The spectrum for applications is broad: at a **Hot Spot** frequent traffic holdups occur in the network. With historical speed data, such Hot Spots can be identified and mitigated by targeted traffic planning measures.

The effectiveness of such a measure can be determined with a **Before-After Comparison** based on empirical travelling time from TomTom.

With its empirical information about traffic conditions the data provides an important input for **Environmental Analyses** and

allows an accurate calculation of pollutant emissions using HBEFA in PTV Visum.

OUR OFFER

With **Stats** you obtain a direct access to TomTom's traffic database. In the TomTom web portal, you can create your own queries, export the result in different formats or import it directly into PTV Visum:

- **Stats - Custom Travel Times:** Database query for custom-defined routes

- **Stats - Custom Area Analysis:** Area-wide database query for custom-defined regions

Speed Profiles are generated from the same database. Speed time series are created by aggregating data for all day categories. We process this data for you and provide it ready to use in PTV Visum based on navigation networks from TomTom for every custom defined area.
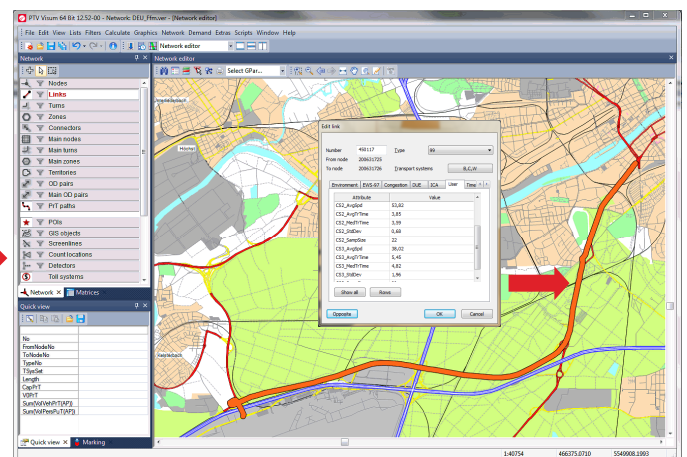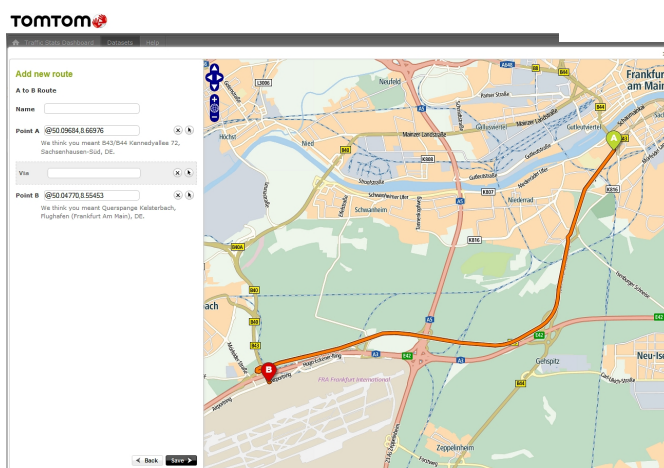
USE CASES

▶ **Hot Spot Identification**
Detect problem areas in networks

▶ **Traffic Network Optimisation**
Decision making for infrastructural or traffic planning measures

▶ **Before-After Analyses**
Observe impacts of traffic planning measures on traffic flows

▶ **Accessibility Analyses**
Determine access to central city services for any time and every day of the week

▶ **Location Studies and Site Analyses**

▶ **Improvement of Traffic Models**
Refine vo or volume delay functions and validate your model results

▶ **Environmental Analyses**
Calculate pollutant emissions more accurately using HBEFA in PTV Visum

THE BENEFITS AT A GLANCE

▶ Area-wide coverage for over 40 countries worldwide

▶ Empirical measured and quality assured data, continuously updated

▶ Cost-efficient option to conducting own surveys

▶ Easy data access for PTV customers:

→ Import Stats-data from web portal directly into PTV Visum

→ Speed Profiles are provided ready to use for PTV Visum for every custom defined area

Find examples and test data on our website:

vision-traffic.ptvgroup.com

Import Stats-data from TomTom's web portal directly into PTV Visum