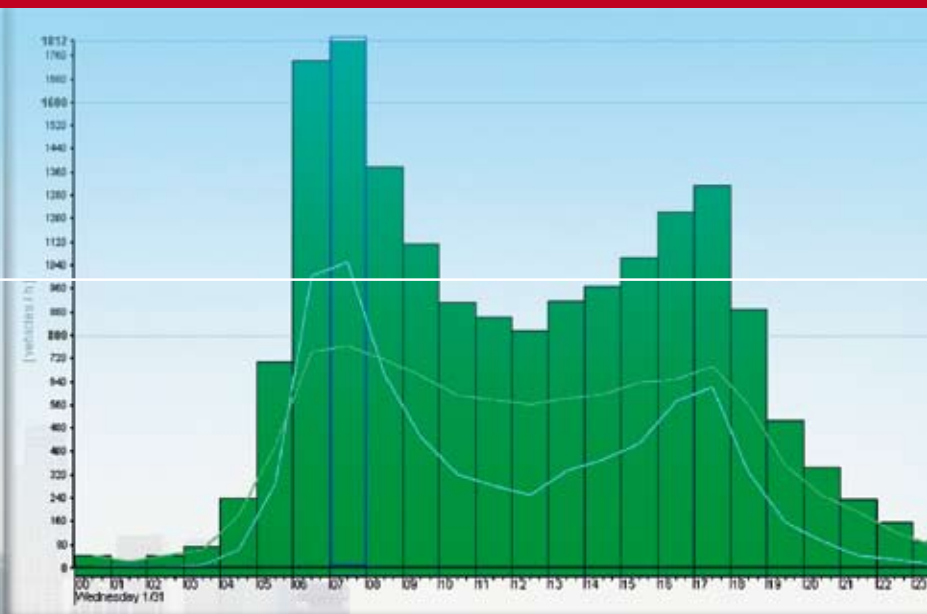


PTV TrafficCountManagement

Professional traffic count data analysis and management



Improving the data basis

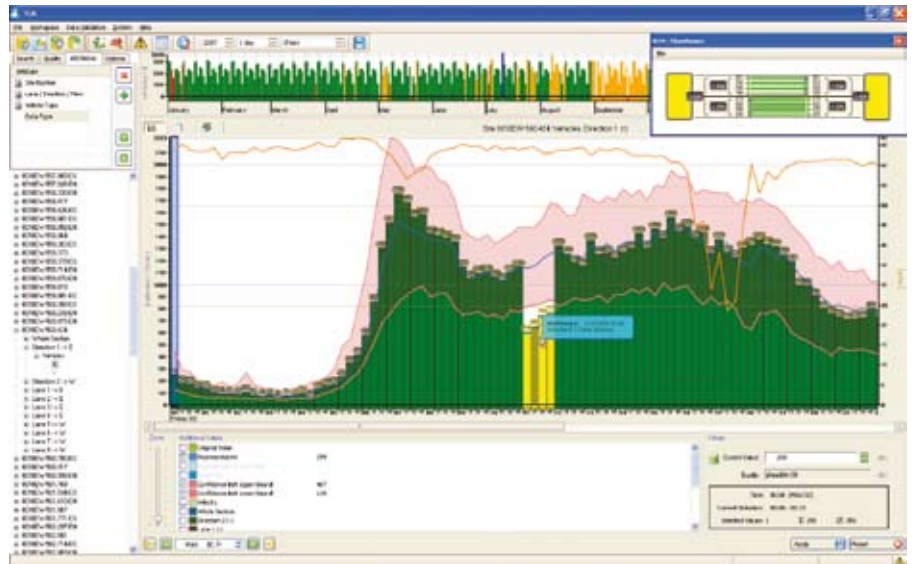
Traffic count data is a vital component for traffic and transportation planning. It provides the basis for the design of road infrastructure and pavement management systems. Moreover, it assists you in updating your traffic model and supports decision-making processes in the field of urban construction. By comparing traffic data with other values, such as air pollutants, you can assess and understand the overall situation.

Permanent traffic counters collect data on traffic volume, speed as well as each vehicle's weight and number of axles. Past experience has shown that handling extremely large data volumes is often very time-consuming. However, data quality assessment is essential for traffic planning and control.

PTV TrafficCountManagement assists you in handling all tasks regarding your traffic monitoring program. Benefit from a high level of automation and a user-friendly operation. You will save a lot of time and cut personnel costs thanks to efficient data preparation and data interpretation. Quality assurance becomes highly transparent by visualising count data. Moreover, intelligent control methods help minimise errors in analyses. As a result, you will always have access to high-quality data.

Automatic data import and analysis

PTV's traffic count management system provides proven interfaces to a wide range of counting systems in order to ensure high performance traffic data processing without errors. Thanks to the automatic data transfer from the traffic counter to the system, you no longer have to perform the same procedure in order to pre-process



Data validation

the data. Now you have time to instantly validate and analyse your traffic data. The collected raw data is summarised in measurable key values. This means that the user has access to both every single measured value and all data grouped according to content, location and time. For example, traffic volumes on single lanes are grouped by the direction of travel.

The key to high data quality

The imported data records are verified regarding plausibility and completeness - unusual or missing values are highlighted in colour. This allows you to immediately identify differences or data gaps and to correct or edit them. The system delivers substitution values which are based on the assessment of historical data. The graphical and interactive presentation provides a comprehensive overview of all count data. High quality data records form

a sound basis for a wide range of tasks, for example in the field of traffic and transportation planning.

Your advantages:

- Easy management of traffic counters
- Automatic data import and control
- Calculation of substitution values for non-plausible or missing data
- Graphically appealing charts make data understandable and accessible
- Central data processing and storage as well as decentralised data editing, comparison and evaluation
- Always immediate access to current count data
- Modified count data becomes transparent
- Comparison of traffic data and environmental data
- Flexible and comprehensive analysis
- Easy data export to Microsoft Excel and other formats

Professional data analysis as the basis for reliable traffic and transportation planning

Easy management of count sites

Efficient management of count sites is a core component of PTV's traffic count management system. It therefore provides a professional workstation including an intuitive user interface. The workstation helps you find all count sites and their attributes in an interactive list. All sites can be geocoded on a map. The count site management function allows you to store numerous attributes and photos.



Count site management

Flexible and comprehensive analysis

A powerful analysis module is responsible for reducing the amount of count data to its essence. The most frequent evaluations (e.g. on peak hour volumes or average daily traffic) are already prepared for immediate use. The menu control quickly produces excellent results with ready-to-use MS Excel tables and charts. No expert knowledge of structured query languages (SQL) is required.

Visualising the relationship between traffic density and vehicle velocity

Moreover, a flexible wizard assists you in solving specific tasks. A comprehensive range of features simplifies your daily work and helps you create meaningful analyses and reports.

Further areas of application

Short-term counts and extrapolation methods

The system allows you to process data from both permanent and short-term count sites. Information collected from temporary section or node flow counts can be imported automatically and manually via interfaces. By combining these data records and the information provided by permanent count sites you can extrapolate the average annual daily traffic (AADT).

Processing individual vehicle data

The storage and visualisation of individual vehicle data and the relationship

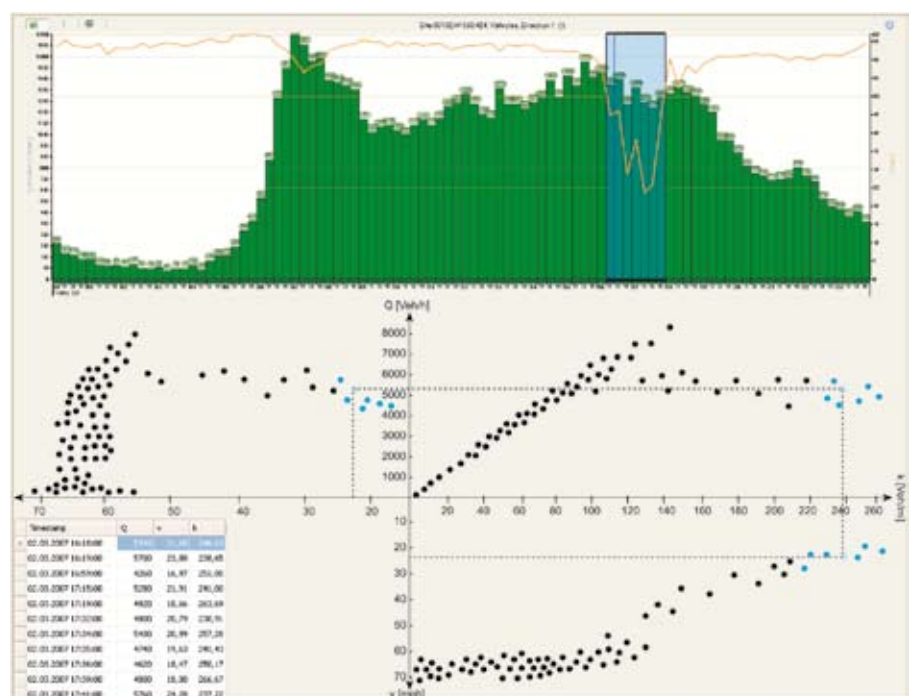
between traffic density and vehicle velocity enables you to create fundamental diagrams, and thus to draw conclusions on the emergence of traffic jams.

Comparing traffic data and environmental data

Even pollution values for air pollutants such as NO_x, CO or particulate matter emissions can be imported and compared with traffic volumes. This means that regulations on the restrictions of vehicle movements can now be evaluated.

Interfaces

The connection between the data stored in PTV's TrafficCountManagement system and the leading planning tool VISUM, which is part of the PTV Vision software suite, allows your traffic model to be continuously updated and calibrated. It supports both traffic planning and a model-based calculation of the traffic flow with PTV TrafficPlatform.



▶ Traffic Software
Logistics Software
Transport Consulting

PTV AG
Stumpfstr. 1
76131 Karlsruhe
Germany

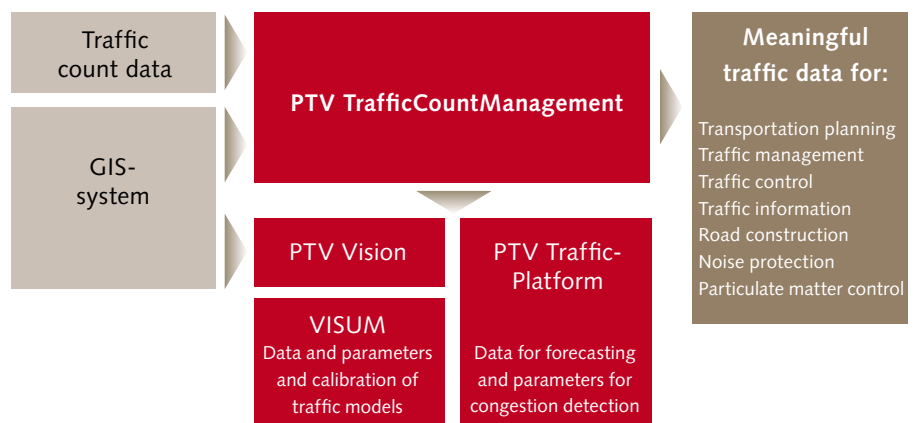
Phone: +49 721 9651-7722
its@ptv.de
www.ptvag.com

PTV TrafficCountManagement – Intelligent basis for sustainable traffic planning

- ▶ PTV' traffic count data management system is designed to centrally process and store the collected count data. Traffic engineers and transportation officials can therefore quickly access important high-quality key data.
- ▶ Whether you intend to improve the performance of a signal control, to develop a traffic model or assess road surface dimensioning, you will need up-to-date traffic data as input data. PTV's TrafficCountManagement provides these values immediately.
- ▶ Effects of political decisions, such as driving bans or speed limits, can be estimated in advance and analysed later by means of measured data.
- ▶ The graphical display of the large volumes of data ensures a complete overview of all count values.

Target group

- ▶ Public authorities in the field of traffic, transportation and environment
- ▶ Consulting companies and private service providers
- ▶ Manufacturers of data collection systems
- ▶ Traffic management centres and traffic control systems
- ▶ Content providers generating traffic data
- ▶ Service providers offering traffic management and mobility services
- ▶ Universities and private research institutes



The PTV Group provides cutting-edge software technology and consulting to enable customers to meet their mobility needs. It helps people plan and manage traffic and transportation, provides them with the latest traffic reports and assists them in optimising their long-term

resource allocation. The ITS division sees to an efficient and sustainable use of the traffic infrastructure by supplying intelligent traffic management tools. PTV aims to optimise traffic by offering solutions for analysis and simulation in real-time and for forecasts.