

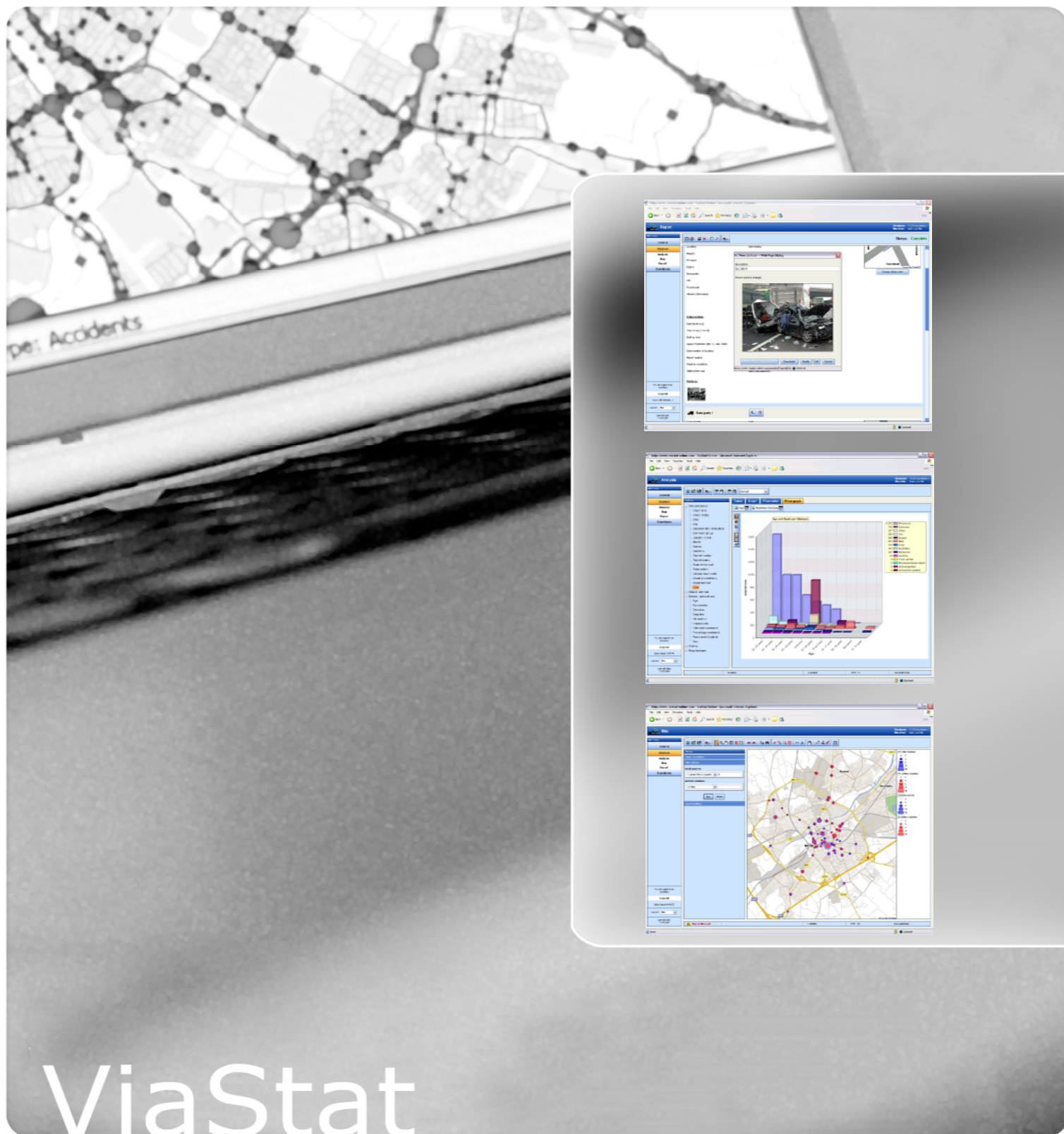


viastat



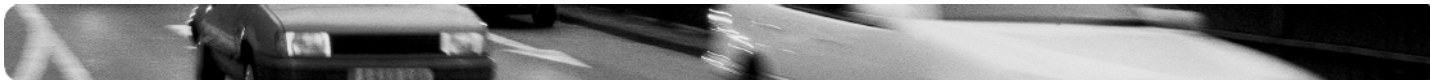
INTERNATIONAL

ViaStat



ViaStat

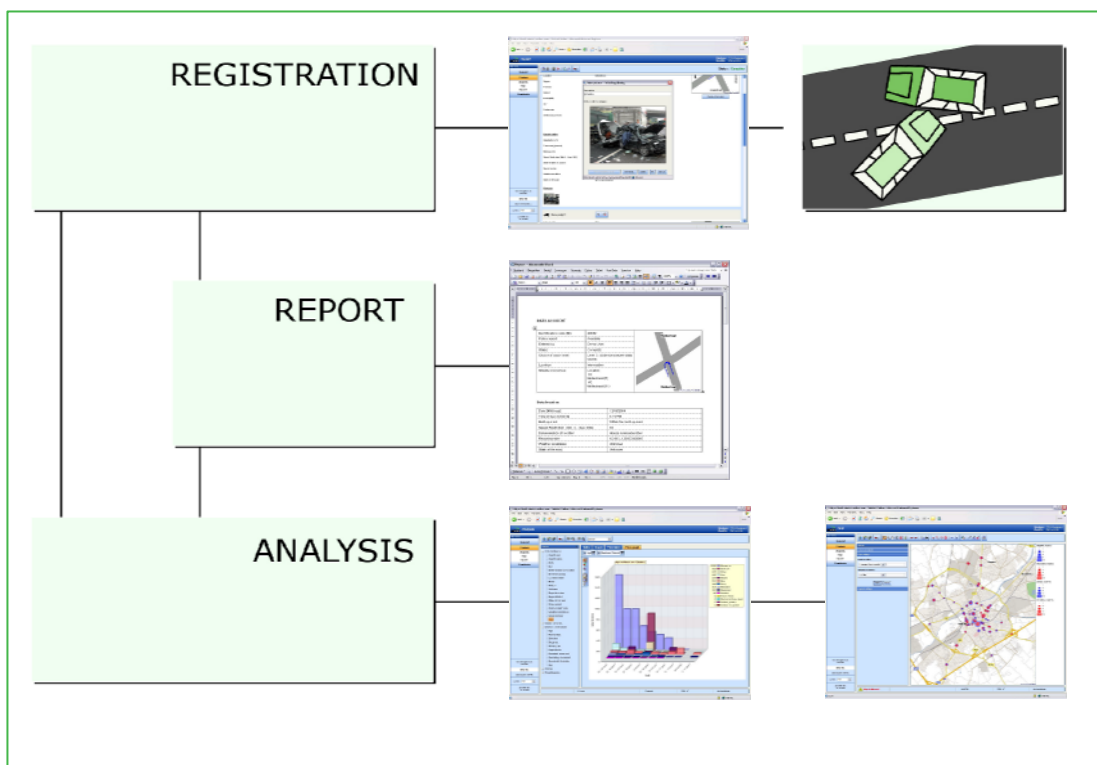
Crash registration and analysis software



» Introduction

As a partner in the effort to improve road safety, you rely on solid policies and effective measures. Crash data plays a key part in determining these policies and measures. We are proud to offer a new and innovative system to help you collect and analyse this information: ViaStat.

This brochure provides an introduction to the functionalities and workings of this Internet/Intranet application, as well as its various target groups. ViaStat is an all-in-one solution allowing you to register, report, monitor and analyse your crash data.



The application was developed by VIA, a Netherlands-based road safety specialist, and can be fully adapted to your own specific national/regional road safety situation. ViaStat can be delivered turnkey and made available to police forces, municipalities and other road safety organisations within a short period of time.

» Registration of crash data

ViaStat offers an extensive module for the registration of crash data.

Police can use the system to register data in two ways.

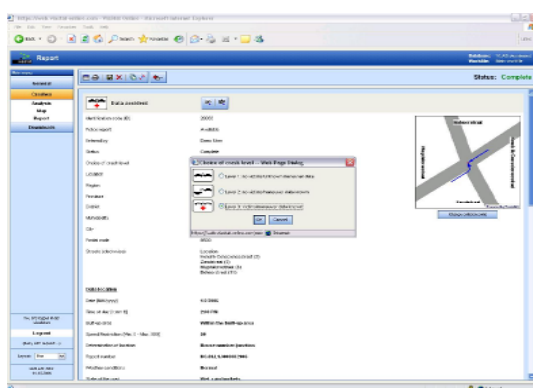
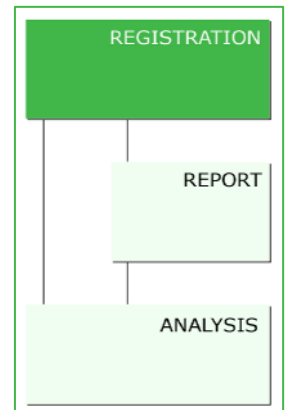
1. At the office by means a paper crash form, after having left the scene of the crash.
2. At the scene of the crash itself, using a laptop or tablet PC (this does require an Internet connection).

In both cases, the person reporting the crash (the police officer on site or a member of the administrative staff) can enter the data directly into the ViaStat registration module. The system offers the following functionalities:

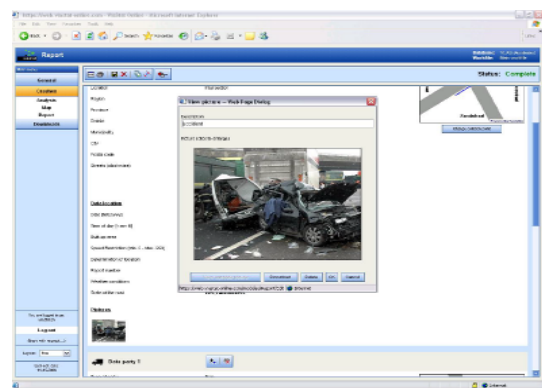
- » Determine the exact crash location on the digital map (using GPS or a street name and house number / intersection search).
- » Indicate the seriousness of the crash (damage, victims, etc.).
- » Register information on the location and involved parties, in line with national standards (date, time, weather conditions, means of transport, driver and passenger features, etc.).
- » Create a digital sketch of the crash maneuver.
- » Link digital photos to the crash.

When a crash is registered, the road features (speed limit, road type, etc) and location data (city, postal code, etc) are also stored automatically. Certain features can be modified if circumstances diverge from the norm.

3. Besides the direct registration of crashes in ViaStat it is also possible to import crash data from other databases and possibly enrich this data with other crash features. The software can also make it possible to port data from the database of ViaStat to police software and vice versa.



Register crash based on seriousness

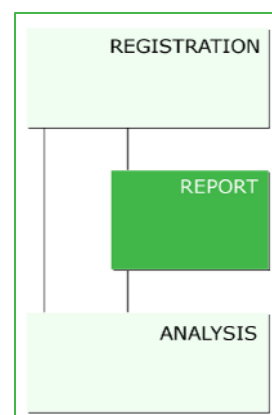


Link digital photos to crash data

Crash data from previous years can also be made available through ViaStat. If necessary, the existing crash database will be imported in ViaStat as soon as the system is introduced. This will allow you, perhaps after minor upgrading, to analyse these historical crash statistics instantaneously. We would be happy to provide you with further information on the various options.

In addition to the registration of crash data, ViaStat also offers various reporting functionalities. These include:

- » Modifying registered crash.
- » Generating status overviews of crash reports.
- » Exporting reports as Word-documents for inclusion in your own administration/archives or those of external parties, such as the judicial authorities and insurers.

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List of crash reports

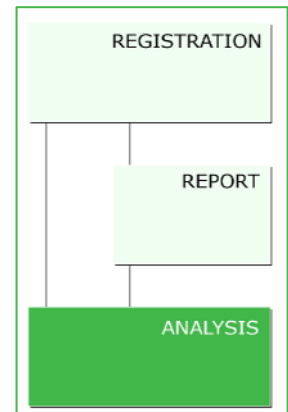
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Access detailed information directly in the form of a report

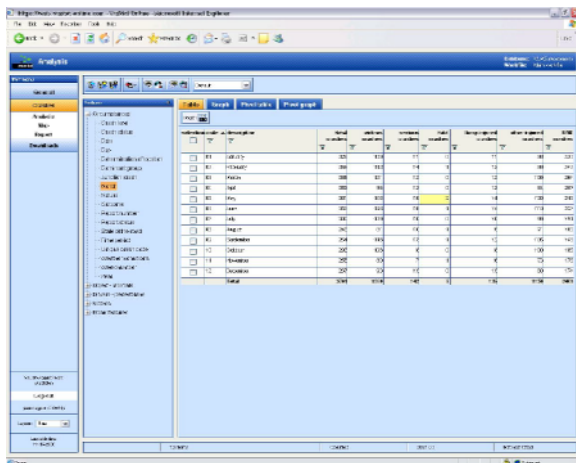


» Analysis & monitoring

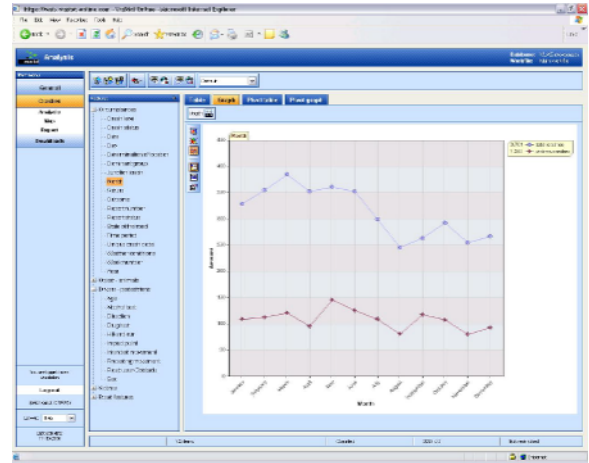
The analysis module is the heart of ViaStat. This module offers powerful functionalities, developed on the basis of years of traffic analysis experience, to help you analyse and monitor crash data. As a partner in road safety, you can thus collect vital input to help set policies and select measures with regard to infrastructure, enforcement and education. The analysis module will also help you answer questions from the general public, conduct detailed studies of a specific location and monitor developments over multiple years. An overview of the main functionalities is given below.



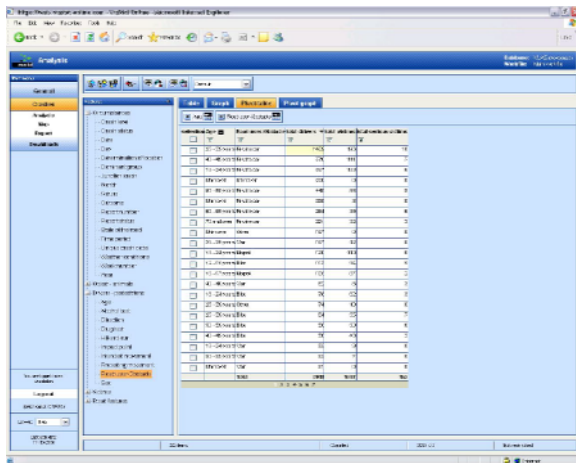
- » Present crash data in tables and pivot tables in order to underline – for example – the relationship between age and mode of transport.
- » Present crash data in various chart types (graph, bar chart, pie chart, 3D, etc.).
- » Select target groups from (pivot)tables in order to identify linkage with crash features, such as age and alcohol use.
- » Various options for the presentation of crashes via an extensive library of maps, e.g., specific target groups.
- » Select crash concentrations, routes or areas from the map for in-depth analysis and the determination of specific measures.
- » Access detailed information and maneuver diagrams for any crash directly from the map.
- » Analyse crash data and road features, such as the number of crashes in relation to speed limits.
- » Create personal work folders to save and edit work files.
- » Export work files as XML-files for use in other applications.
- » Export tables and charts to Word and Excel format for inclusion in consultancy reports.
- » Export maps as Word files (A4 and A3) for inclusion in consultancy reports.
- » Export maps as Shape-files for use in other GIS programs.



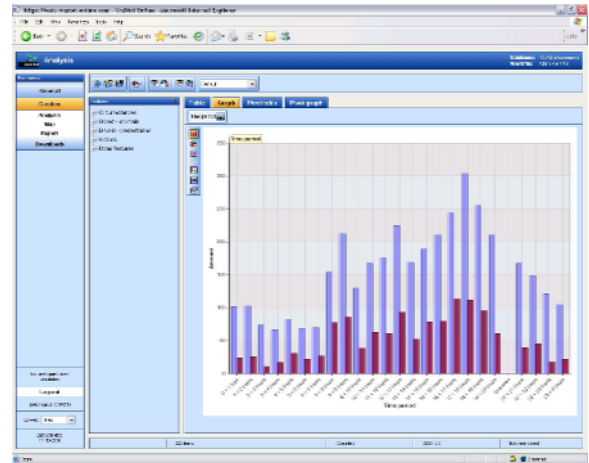
Display features in table



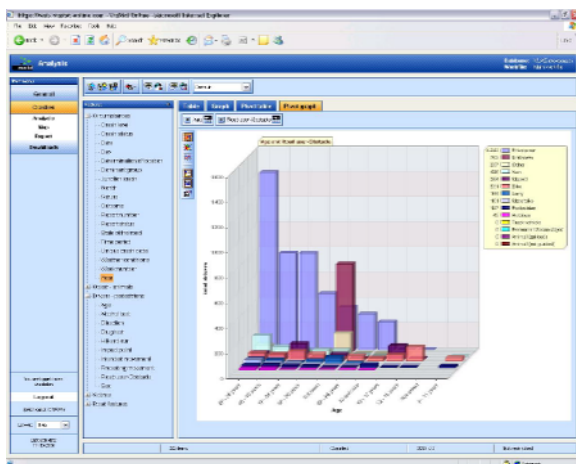
Display features in graph



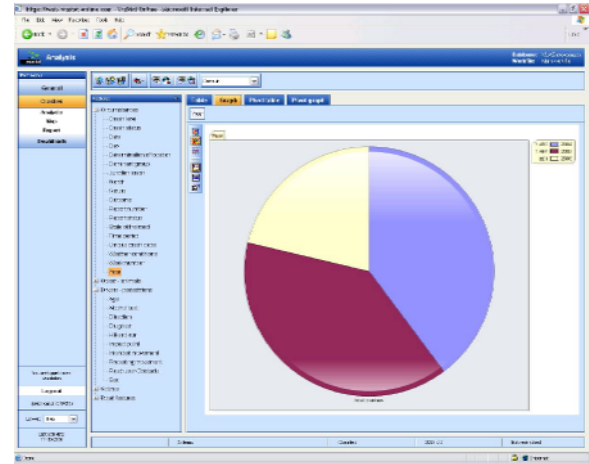
Extrapolate features in pivot table



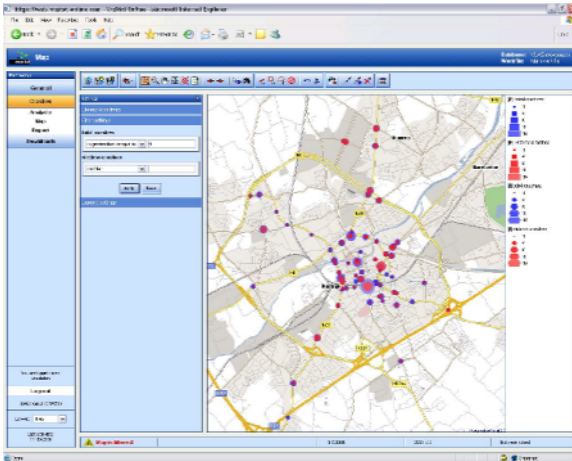
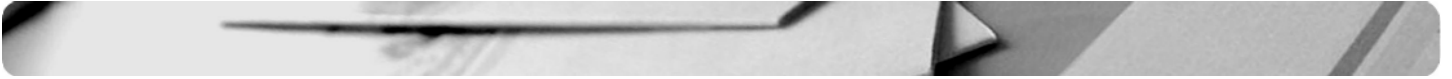
Create overview of crashes and victims for each hour of the day



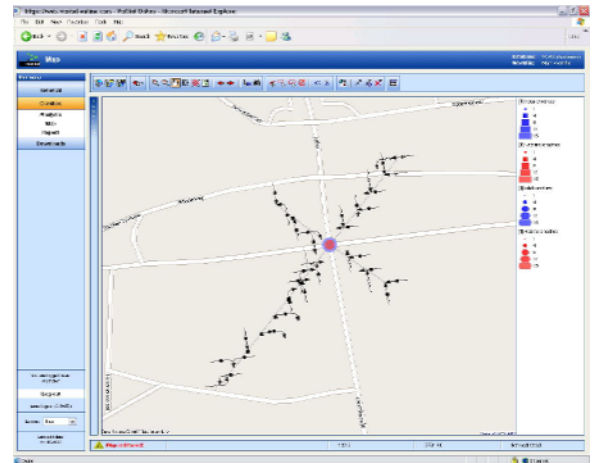
Analyse by means of 3D pivot chart



Display features in pie chart



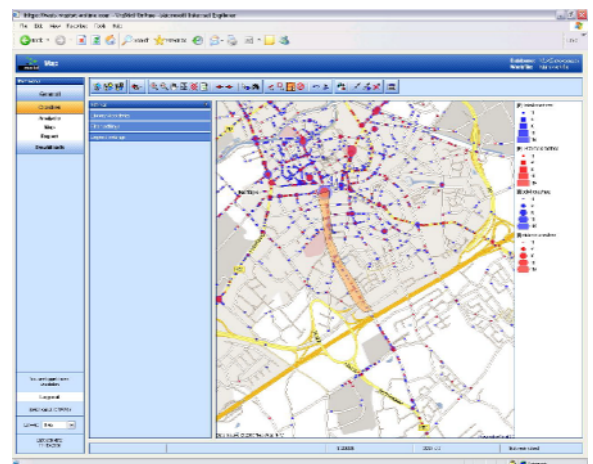
Create map of crash locations, filtered by number of crashes



Create detailed image of maneuvers at a single crash location

» Geographical Information System (GIS)

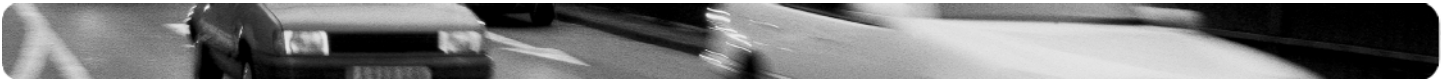
ViaStat uses a Geographical Information System (GIS). This means crash data is linked to the digital road network in the area you manage, and can be presented in digital maps. The GIS is integrated in ViaStat in a highly user-friendly manner. In addition to various presentation options, the system also allows you to conduct more in-depth analyses using geographical selections from the map.



Select route from the map

ViaStat uses digital mapping material from Tele Atlas, one of the world's leading companies in this area. The digital maps provided by Tele Atlas are used by both numerous car navigation system manufacturers as well as companies such as Google and TomTom. This means you are guaranteed digital maps of exceptionally high quality. In addition, periodical updates ensure you always have access to the very latest version. Use of the maps and updates are both included in the ViaStat subscription fee; one less administrative hassle to worry about.





» For whom?

ViaStat is used by a wide range of target groups. These include:

- » Local police forces.
- » Regional/national police forces.
- » Municipalities.
- » Regional/national road management (provincial authorities, ministries, etc).
- » Consultancy firms/research institutes.

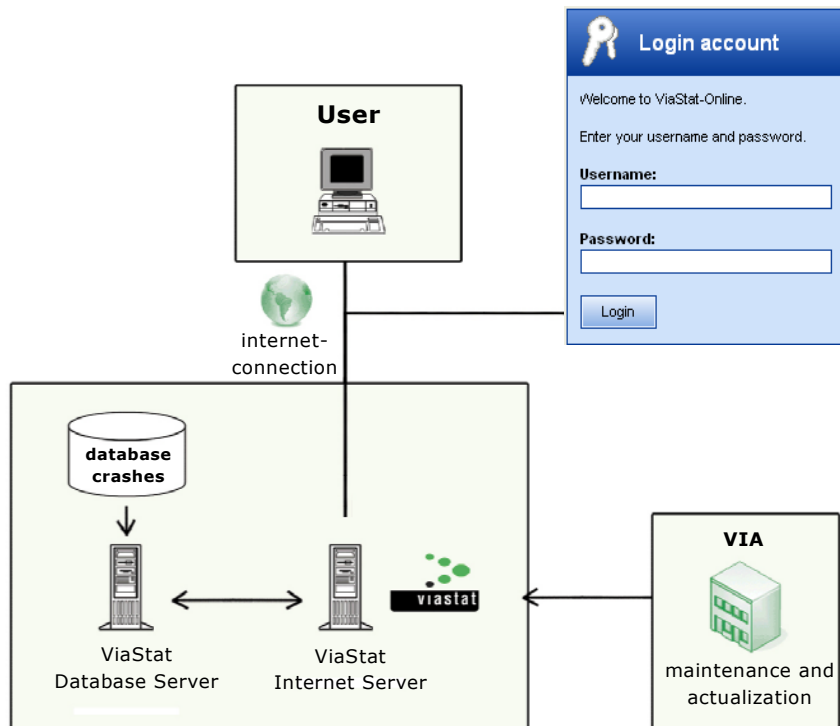
Each of these target groups benefit from the use of ViaStat in their day-to-day activities. They use information generated by the program to set and evaluate policies, select locations and time windows for enforcement efforts, determine target groups for information campaigns and answer questions from the general public and other official bodies.

» How does it work?

ViaStat is web-based and available to the user via the Internet or Intranet. Login to the system by means of a secure connection and a personal username and password. ViaStat security is comparable to the systems used for Internet banking. An authorisations structure is used to determine which functionalities you may access, and for which area.

The availability of ViaStat via the Internet offers a number of important advantages.

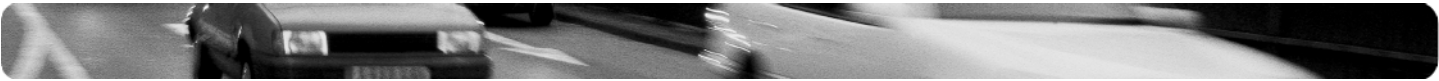
- » **Up to date:** access to the very latest data and analyses.
- » **Accessibility:** your data is instantly accessible, at any time and location. You can also make problematic locations and groups insightful for yourself or other parties.
- » **Speed:** (crash) files and programmes no longer require importing or installing. Access your data and analyses in seconds with a few clicks of your mouse.
- » **Uniformity:** you get the same presentation of data and analyses as the safety partners within your management area.
- » **Central data management:** the system provides you with central data storage and backup. Local data storage, with all the risks this involves, is now a thing of the past. However, the system does allow you to import the data as an XML file for local use.



» References

The ViaStat software is used to full satisfaction on a daily basis by a range of organisations. The list below offers an overview of some of the organisations currently using our software.

- » The entire Dutch police force.
- » The Dutch Ministry of Transport, Public Works and Water Management.
- » The majority of cities/municipalities in the Netherlands (including Amsterdam, The Hague and Rotterdam).
- » Various private companies (including consultancy firms and research centres).
- » Various police regions in Belgium (including Antwerp).
- » The police force of New Delhi and State of Gujarat, India.
- » Police forces and municipalities in Spain (introduction in 2009).



» Costs

ViaStat is available in two ways, through a subscription on the program or through the purchase of the program.

If you chose for the subscription on ViaStat then VIA will host the website completely. This means that VIA takes care for the web server, the database server, the third party software licences, the updates and the support. The subscription offers a complete support service on the use of the software. The costs of this subscription depends on the number of inhabitants. If you chose for the purchase of the software then you are self responsible for the hardware, database and third party licences. Optional you can chose for an additional service package, where VIA maintains the software remotely and supplies the updates for the program.

For both situations is it possible that the software is adjusted to meet specific demands within specific situations. For example the software can be translated in different languages and linked to other databases or software programs.

We would like to give you the possibility to try out ViaStat yourself. You can apply for a brochure and a personal username and password to access a demo version of ViaStat: www.via.nl

» System requirements

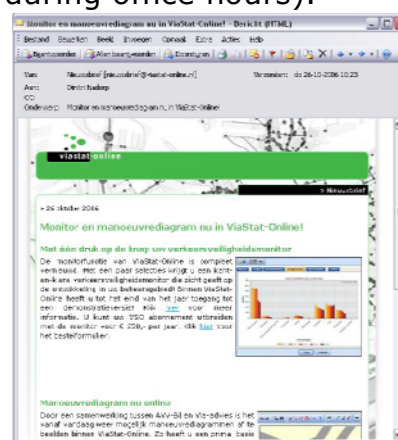
System requirements for ViaStat are minimal. All you need is Internet Explorer 6 or a subsequent version. This browser is a standard component of the recent Windows operating system. In addition, you will require an Internet connection of at least 56 kb per second.



» Support

As a ViaStat user, you can rely on our extensive support service. This includes a broad range of features, such as:

- » A back-up of your data and work files every night.
- » A professional helpdesk for
- » Content-based and technical queries (on working days, during office hours).
- » A manual describing the system's basic functionalities.
- » Annual program updates based on user comments and suggestions.
- » Periodic updates of the digital maps (Tele Atlas) of your management area.
- » The latest news (training course dates, updates, etc) via the ViaStat homepage and periodical digital newsletters.



Digital newsletter

» Training courses

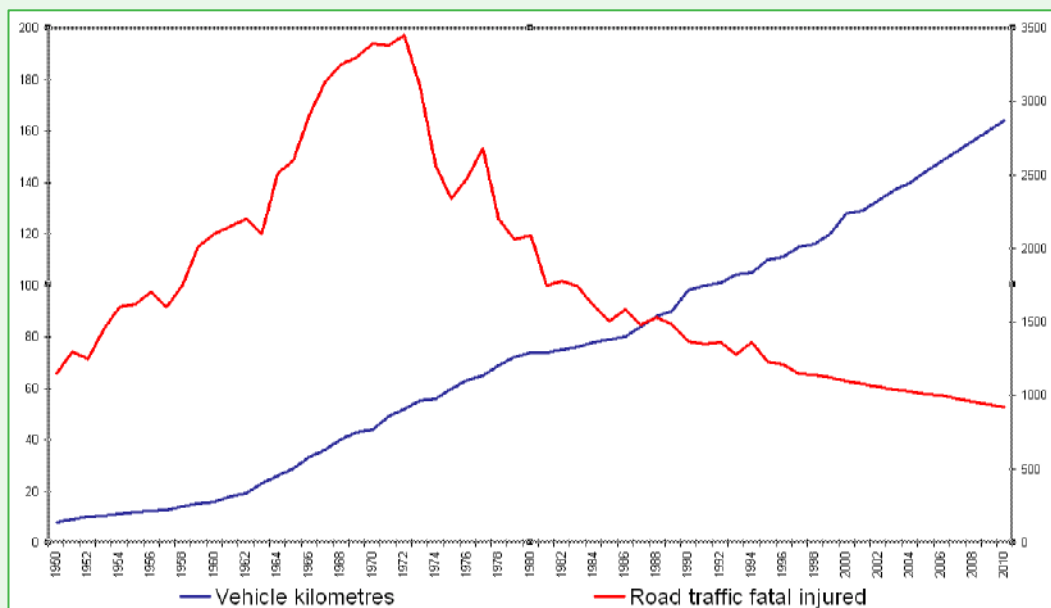
We offer a range of training courses to help your organisation make optimal use of the ViaStat system. For example, we can provide a brief course on the registration of crashes and a more in-depth course on analysis functionalities. The courses are held at your own organisation or another central location near you. For the latest course dates and applications, visit the ViaStat website or contact VIA.



» Dutch origins

Successful Dutch policy

The uniform registration and analysis of crashdata is an essential part of the successful Dutch approach to improving road safety. This approach is based on a solid road safety policy and the various ensuing targets and action programs. The Netherlands has applied this approach since the early nineteen seventies in an effort to solve its traffic problems. Despite the huge growth in road usage, this has resulted in an enormous reduction of the number of traffic crash victims: from 3500 in 1972, to 750 in 2005. As a result, the Netherlands is one of the safest countries in the world when it comes to traffic.



National crash analysis system

The establishment of a national crash analysis system was one of the most important elements of the Dutch approach. The system provided uniform registration and processing of crash data. The data was stored in a central database. Analysis instruments were required to gain insight into the causes and consequences of crashes. After all, a solid analysis yields input towards an integral approach and concrete measures in terms of infrastructure, enforcement and education. VIA was one of the first organisations in the world to develop software for the analysis of crash data.

VIA, developers of ViaStat

VIA is a Dutch traffic consultancy firm specialising in the area of road safety. VIA employs traffic experts and IT-professionals, dedicated to the realisation of groundbreaking projects for ministries, province, municipalities and police forces. With years of experience in traffic consultancy, VIA has

developed the world's leading program for crash registration and analysis: ViaStat.

For further details: www.via.nl.



» Further details and purchase

VIA offers:

- » Additional information and software demonstrations.
- » Tailor-made offers for national/regional implementation of ViaStat.
- » The purchase of one or more subscriptions.
- » Various training courses.
- » Content-based and technical helpdesk.

VIA employs a range of dedicated specialists in the area of road safety and IT, working to help you make optimal use of ViaStat on a day-to-day basis. We do so in close consultation with various national and international road safety organisations.

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Software of VIA:



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