Basic studies

Prognosis of traffic patterns for the traffic information centre of Bavaria
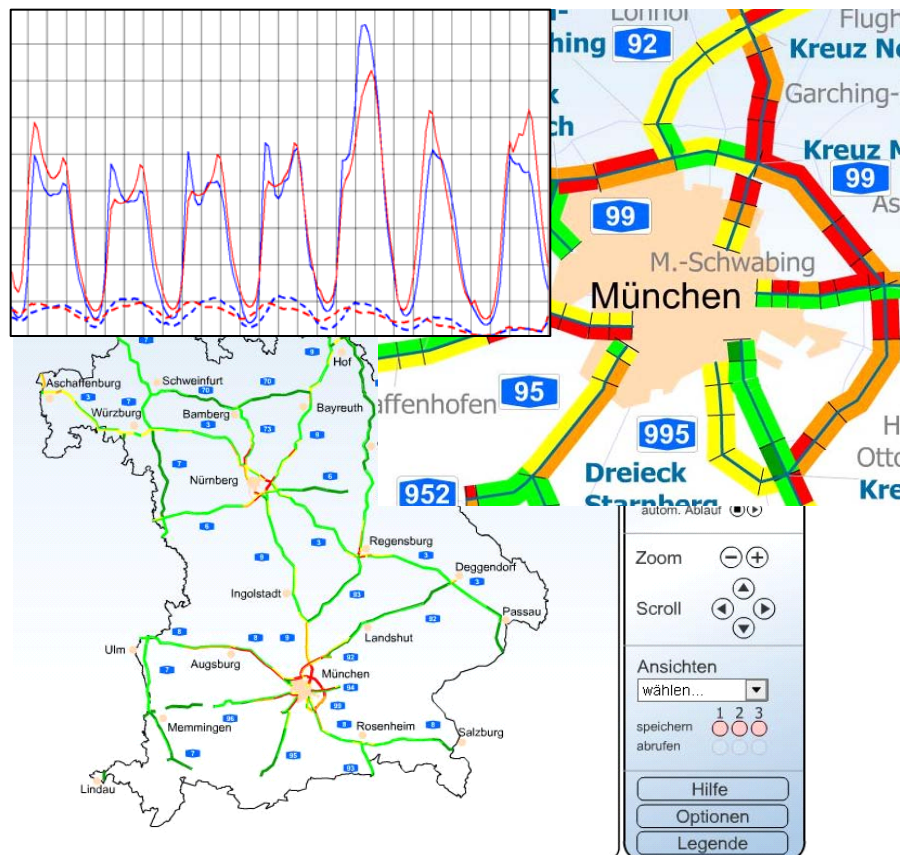
Project

Prognosis of traffic patterns for all Bavarian motorway sections for the traffic information centre in Bavaria

Time for processing

quarterly
from November 2004
until March 2006

Customer

JAAKKO PÖYRY INFRA,
HB-Verkehrsconsult GmbH,
Branch Munich

Project description

Traffic prognoses for all Bavarian motorway sections are carried out quarterly for the traffic information centre (TIC) in Bavaria. The TIC Bavaria makes traffic prognoses in consideration of up-to-date road work information for all Bavarian motorway sections available (www.bayerninfo.de). The prognoses of traffic patterns provide the basis for this.

With the data of Bavarian permanent automatic counting stations on motorways of the past 11 years and in consideration of the current calendar and holiday dates of all federal states variance analyses were made in order to ascertain volumes of motor and heavy goods vehicles as daily values and quarter hourly values. 500 time patterns of motor vehicles and heavy goods vehicles were formed by cluster analyses. After carrying out manual and automatic checks and corrections the quarter hourly traffic values were attributed to all Bavarian motorway sections.

Executed services

- Ascertainment of daily traffic volumes on the basis of data from permanent automatic counting stations
- Prognosis of quarter hourly values on the basis of historic hourly traffic volumes
- Carrying out of manual and automatic corrections
- Cluster analysis for the classification of time patterns
- Output of prognosis values as quarter hourly traffic volumes of motor and heavy goods vehicles