Project Objectives

Project partners want to achieve the following objectives within the Dmotion project:

- A cooperation between the local authorities of the City of Düsseldorf and the Federal State of North Rhine-Westphalia will be established with the aim to develop an Integrated Traffic Management System for Greater Düsseldorf.
- Strategies implemented by the City and the Federal State will also be integrated into current mobile navigation systems to establish a basis for routing according to the common strategies. Hence private service providers will join the project. In collaboration with the municipal utilities of Düsseldorf a business information system will be developed and tested.
- Continuous traffic data collection and traffic forecasts for the Düsseldorf region based on the information network of the local and regional authorities and the data collected from different detector sources will be provided.
- Private service providers will be integrated into the process of traffic data collection. Floating Car Data is also provided by special data suppliers, such as the vehicles of Düsseldorf's taxi service.
- Different measures such as target group-specific offers, up-to-date information, consistent routing will be introduced in order to enhance public awareness and acceptance of traffic information services among end-users.
- Dmotion focuses on standardized interfaces, allowing the concept to be applied to other conurbations.

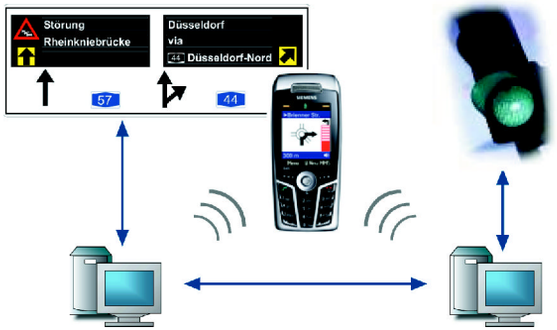
Contact

Any further questions? Simply get in touch with us:

Dipl.-Ing. Andreas Budde
- Project Manager -
Landeshauptstadt Düsseldorf
Auf´m Hennekamp 45
40225 Düsseldorf, Germany
Phone: +49 (0)211-89-94645

Dr.-Ing. Frank Offermann
- Project Steering -
PTV AG
Gladbecker Str. 5
40472 Düsseldorf, Germany
Phone:
+49 (0)211-93 88 58-10

Dmotion project office
c/o PTV AG
Düsseldorf subsidiary
Gladbecker Str. 5
40472 Düsseldorf, Germany
Phone:
+49 (0)211-93 88 58-50
E-Mail: dmotion@ptv.de



www.dmotion.info

Dmotion – Düsseldorf in Motion

Integrated Strategy Management for Enhanced Mobility

A project within the VM 2010 research initiative
Funded by

Bundesministerium
für Wirtschaft
und Technologie

dmotion Düsseldorf in Motion

Project Information

Dmotion is a comprehensive data, information and strategic network for regional and local authorities and the private sector. The aim of Dmotion is to develop an enlarged traffic management system for the conurbation of Düsseldorf.

The City of Düsseldorf has to cope with an extremely high volume of commuter traffic. There are over 400.000 people commuting by car to the city every day, mostly for occupational reasons. In addition, drivers from the Greater Düsseldorf are attracted by numerous cultural events and excellent shopping facilities.

One of the most important nodes in Düsseldorf is the highway bypass complex A57, A44, A46 and A3. Furthermore, there are numerous radial arterial roads. This road network provides an excellent prerequisite for creating a comprehensive traffic management system for the city and its metropolitan area. Within the scope of the Dmotion project an effective, sustainable and strategic traffic management system is to be set up for the City and the urban agglomeration of Düsseldorf. Besides the City of Düsseldorf and the Federal State of North Rhine-Westphalia also private suppliers of mobility services are involved in the project.

Strategic Network

At present, each road authority (local and regional) is responsible for traffic control within their sovereign territory, using different control and information systems.

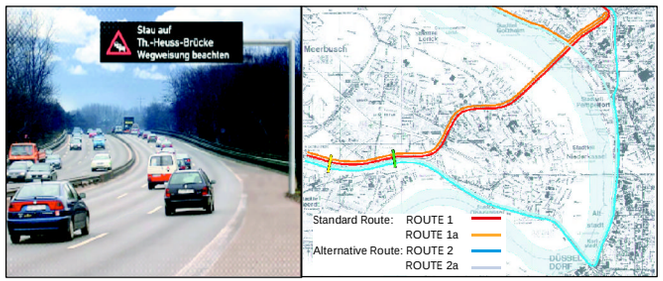
Project Information

Traffic referring to any neighbouring network is left out of consideration. Within the Dmotion project both systems will be connected to each other to provide one comprehensive traffic management system.

One of the objectives of Dmotion is to generate a consistent and comprehensive report on traffic conditions for Greater Düsseldorf. In case an incident occurs it will be possible to take corrective actions in traffic management by using jointly developed strategies. Thus, traffic will be diverted or road users are advised to use alternative routes with the help of dynamic traffic signal systems, information panels and variable direction signs. Advice or information will also be available on the internet.

Furthermore it is essential that the developed approaches will be included in the standardization guidelines of the project partner OCA.

Additionally, private navigation service providers will be linked to include the strategic advice of the public authorities in advanced navigation systems. This so-called “strategy-conform” routing will guarantee consistency between collective and individual information offers.



Advice for Alternative Routes to avoid Congestion

Project Partners

Amt für Verkehrsmanagement
Landeshauptstadt Düsseldorf

GEVAS SOFTWARE
Systementwicklung und Verkehrsinformatik GmbH

ifak

ivh Institut für Verkehrswirtschaft, Straßenwesen und Städtebau Universität Hannover

ptv traffic mobility logistics.

OpenTraffic Systems City Association e.V.

in cooperation with:

RWTH AACHEN UNIVERSITY ComNets

Albrecht Consult