

Ruhrpilot – Traffic Management Centre

Ruhrpilot Besitzgesellschaft mbH

Ruhrpilot is a traffic management system for the Ruhr area. It connects and integrates road and rail traffic carriers into one intermodal information system. Besides improving the mobility in the Ruhr area, the main objectives of the project are a more effective utilisation of road and rail and an optimum connection of the different modes of transport.



The challenge

The limits of traffic load on our road networks can particularly be seen in the Ruhr area. Roads are equally affected as busses and trains.

Should I take the car or is it better to take the bus or train? Which is the quickest route to my destination? How long will the journey take?

The solution

The traffic data of federal motorways and also of main and rural roads, including main communal roads data have been collected areawide and evaluated.

For towns, data is also included on the parking situation, road works, events and traffic disruptions. In the end, the Ruhr Pilot establishes a link between all the public and private transportation data collected in the whole of the Ruhr area.

RUHRPILOT figures

- ▶ 11 districts and urban districts
- ▶ 4,400 square kilometres with a population of 5.3 million

Technical data - detectors:

- ▶ Set up of approx. 600 Ruhrpilot detectors along arterial roads (municipal, trunk and country roads).

- ▶ Data from more than 660 federal motorways detectors are made available from state operations.
- ▶ Establishment and maintenance of the RUHRPILOT - Traffic Management Centre.
- ▶ Internet applications www.ruhrpilot.de for traffic reports, traffic conditions and traffic forecasts, multi-modal route planning including dynamic car routing, public transport information and combined routing, POIs, dynamic parking data, timetable services and weather forecasts.
- ▶ Mobile application based on XHTML (<http://mobile.ruhrpilot.de>)



RUHRPILOT is a Ruhrpilot Besitzgesellschaft mbH project. They have chosen the consortium led by Siemens AG and PTV AG to develop the RUHRPILOT traffic management centre.

PTV components:

- ▶ PTV TrafficPlatform,
- ▶ PTV MobilityPlatform,
- ▶ PTV Validate

The result

Ruhrpilot supplies reliable answers. It provides road users with the latest traffic reports around-the-clock. It further provides a basis for decision-making on whether a trip should be made by car, bus or train and shows how long the journey will take using the mode of transport selected.

Before setting off on their trip, road users can gain an overview of the current traffic situation on the most important trunk, country and municipal roads, or of how full the car parks are in their destination city.