




## ITS in Europe 2005

# Investments of the Public Sector in Germany


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- Average Daily Traffic on Motorways in Germany
- 1970: 22.000 vehicles/day
- 2000: 50.000 vehicles/day

Motorways will continue to carry most of the transport volume

State of the Art

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- What can be done?

1. further development of roads
2. elimination of bottlenecks by

- Anti-Congestion-Program
- Federal Transport Infrastructure Plan

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- Use of existing technical Achievements by

1. Traffic Control Systems (collective measures)
2. Introduction of Individual Traffic Telematic Systems

Solutions


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### Traffic Control Systems

- Amount of Investitions already done: 600 Mio. €
- Extension of the Program for Traffic Control on Federal Motorways until 2007
- Amount of Investitions in the current Program: 200 Mio. €

Solutions

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### Organisational and Legal Framework


- Agreement within the Economic Forum on Transport Telematics
  - Individual systems: private sector
  - Collective measures: public sector

Framework

Task of the Government:

- Creation of the necessary outline conditions for the establishment of the market


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**Basic Law**

- Federal Government is responsible for construction and maintenance of motorways (e.g. financing)
- Federal States are responsible for the administration (e.g. traffic control)


Framework


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- Federal States elaborate proposals for traffic control measures on the basis of detailed studies including cost-benefit appraisals
- The methodology is standardised (Recommendations for Detailed Studies for Traffic Control Systems, BMV, 1993)

Consequences


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**Positive Effects of Traffic Control Systems**


- Traffic Line Systems:
  - 20 to 30% decrease in the number of accidents
- Network Control Systems
  - Savings of travel time by re-routing
- Using of the Hard Shoulder as running lane
  - 20 to 30% increase of the road capacity

Experiences

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Thank you for your attention !

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