„Traffic Telematics“

by

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• What is TelematicsPRO
• Telematic for traffic applications
• The enforcement and regulations by the EU
• Platforms for precompetitive marketing
TelematicsPRO e.V.

- Member structure:
  68 organisations from Deutschland, Österreich, Belgien, Italien, Niederlande

- Referencing projects:
  I. Plattform Mobil Parken in operation
  II. Plattform Mobility payment in planning
  III. Roadshow, best practise Telematik in cities in operation

- Working groups
  car2city (city congestion); Electromobility; Metropolitan Navigation; ITS

- Conferences
  connected; cockpit; its-forum, payment, tolling, traffic management, logistics

- Institutional cooperations:
  Deutscher Städte und Gemeindebund; Bitkom e.V.; ITS Intelligent Transportation Systems e.V.; SmartHome Deutschland e.V.
The technology of telematics

**Mobilcommunication**
- transfertecnologie
- ISDN

**Satellitenbased communication**
- GPS
- Galileo
- Glonass
- Compass

**Network communication**
- technical Networks
- services
- Wide range Kommunikation, GSM,
- Short range Kommunikation bluetooth, DECT, RFID, Barcodes
- Broadbandsysteme UMTS
- Navigationsysteme
- Identificationsysteme

**Datasystem**
- Simulations
- Agentbased Dataproducing
- surfaces
- Datasecurity

**Programming**
- Multimedia
- Windows
- Internet
- interfaces

**Telekommunikation Information-technology**

**Hardware**

**Provider**
The span of applications in traffic telematics
From parking and information to navigation
The automotive side of telematics

- Wireless communication
- Embedded m2m
- Car park and connecting cars
- Ca2gether – multimedia mobility solutions
- Control options and information for the ecar
- Infotainment solutions in cars/trucks
- IT in cars
Stakeholders in the traffic „market“

- Bund
- BAST
- Länder
- Kommunen
- Industrie
- Provider
- Wissenschaft
- Hardware-concrete
- Hardware-tech
- software
- Industry Assoc.
Gate to professional ingroups
In automotive industry like
• Connected
• Cockpit
• ITS forum
• Mobility payment
• Tolling
ITS political structure and frames for telematics


• Directive 2010/40/EU: Framework for the coordinated and Effective Deployment and Use of Intelligent Transport Systems

Road transport and interfaces with other modes

– to coordinate and accelerate deployment of ITS
– to tackle bottlenecks for deployment
– to make road transport more sustainable
Area 1: Optimal Use of Road, Traffic & Travel Data
- EU-wide real time travel information
- Collection & provision of road data
- Accurate public data for digital maps
- Free minimum information service
- Promotion of multi-modal journey planners

Area 2: Continuity of Traffic & Freight Management
- Continuity of ITS services
- Services for freight transport & logistics

Area 3: Road Safety and Security
- Promotion of in-vehicle safety systems
- Introduction of Europe-wide eCall
- European ITS Framework architecture
- Interoperability of electronic toll systems

Area 4: Integration of Vehicle & Transport Infrastructure
- Regulatory Framework on HMI
- Guidelines: Impact on Vulnerable road users

Area 5: Data Protection & Liability
- Guidelines: Secure parking places for trucks

Area 6: European ITS Coordination
- Introduction of Europe-wide eCall
- European ITS Framework architecture
- Interoperability of electronic toll systems

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EU-wide Real-Time Traffic information

Free safety-related minimum Traffic Info

Interoperable EU-wide eCall

EU-wide Multi-Modal Travel Information
Cellphone parking Platform Administration

TelematicsPRO

Beirat

Servicevertrag
MRV + Nutzung

Betreiber

Vertrag über den Betrieb

Vertrag über die Dienstleistungskonzession Inkl. Haftung

Kommune

Leitfaden

Vertrag über den Betrieb des gateway

Betreiber Des Gateway

Lizenzvertrag über Nutzung des Gateway

Software-entwickler

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Cellphone parking – technology

Stadt

Plattform Infrastruktur

Handyparken Provider

Betreiber 1

Betreiber 2

Betreiber 3...n

www.mobil-parken.de

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Mobility in regions:

Mobility requirement: going from A to B
objective =
recommodation instead of information
Mobilitätsplatform: Management – Administration

- Beirat
- Multiplikatoren
- Cloud Webserver
- Zertifizierung
- Leitfaden

Management Repräsentanz von Anbietern

Mit Schnittstellenmanagement

- Operative Ebene: Anbieter und Partner
  - Lizensierung
  - Inkl. best practice

Schnittstelle Systemverfügbarkeit

Öffentliche Autorität

Dachmarketing

Dienste-Datei

Zusatzdienste und Management z.B. Befragungen, Auswertungen, Statistik

Operative Ebene: Anbieter und Partner

- Vorsitz
  - Handel
  - ÖPNV
  - IV
  - Touris.

bearbeiten

Themen wie z.B.
- Billing/Payment
- Zert-Kriterien
- Datenschutz

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Thanks for your attention

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