



# Intelligent Transport Systems in the Capital Region Berlin-Brandenburg



Hella Aglaia Mobile Vision's traffic sign detection system



Berlin is a pioneer in multi-modal public transport

### Car IT

Asaphus Vision  
 Carmeq  
 Carneios  
 Enway  
 Embeddeers  
 First Sensor  
 German Autolabs  
 Hella Aglaia  
 High Mobility  
 IAV  
 Lesswire  
 OpenSynergy  
 OSRAM  
 T-Systems

### Navigation | Maps

AIPARK  
 Door2Door  
 HERE Technologies  
 Komoot  
 ParkNow  
 ParkU  
 PlugSurfing  
 Predict.io  
 Telenav  
 TomTom  
 VIOM

### Control and information technology

ASCI Systemhaus  
 BLIC  
 DResearch  
 Fahrzeugelektronik  
 GSP Sprachtechnologie  
 Interautomation  
 IVU Traffic Technologies  
 MBition  
 Moveo Software  
 Peregrine Technologies  
 Phantasma Labs  
 PSI Transcom  
 Siemens  
 Stadtraum  
 VA Berlin  
 VMZ Berlin

## Vehicle telematics

Berlin-Brandenburg is not a classical automotive location. But it is a location that can make a major contribution to the future of the automotive industry. Here, there are innovative companies that take on a variety of telematics tasks for the sector's corporations. Whether it is driver assistance systems or car2x technologies, companies such as Carmeq, Hella Aglaia, IAV and T-Systems are developing automotive software and hardware in the region.

Precise navigation based on highly accurate maps and the latest traffic information is becoming more and more important. In the near future, it will make automated driving possible. Global players in the navigation sector such as HERE and TomTom Traffic already offer a dedicated product portfolio. In the capital region, they are working to advance their technology on an ongoing basis.

In the areas of fleet management and logistics, companies such as Bosch Software Innovations, Kienzle Argo, TACHOfresh and PSI Logistics are active. They not only supply car fleets with innovative, telematics-based solutions, but serve the freight transport sector as



»Telematics services safeguard mobility in the cities of tomorrow. With its innovation-friendly residents, creative companies and proactive policies, the capital region is an inspiring environment for future-oriented projects at the interface of science and business.«

**Prof. Dr.-Ing. Michael Ortgiese**  
 Business Development  
 Institute of Transportation Systems  
 DLR German Aerospace Center



**Martin Müller-Elschner**  
 CEO | IVU Traffic Technologies AG

»Berlin provides IVU with outstanding conditions. The economic environment, the universities, the public transport companies and the diverse transport activity in the city are the basis for the innovation and inspiration we need for our high-value products.«

well. The German toll collection system is one of the country's largest telematics systems. Toll Collect, its operator, is headquartered in Berlin.

## Control and information technology for transport companies

In public transport systems, modern control and information technology is essential for managing buses, trams, subways, commuter trains and other trains. This technology safeguards and increases the systems' attractiveness, reliability and economic efficiency. Internationally successful companies such as GSP Berlin, IVU Traffic Technologies, PSI Transcom, synfioo and VA Berlin develop integrated system solutions that transport companies use to manage a number of tasks. The spectrum ranges from planning and scheduling drivers and vehicles, managing depots and using operating control systems based on real-time data to subscriptions and eTicket management and dynamic passenger information. This wealth of diversity underlines the capital region's role as an outstanding location for transport technology.



With Free2Move you can find, compare and book vehicles of all car sharing providers

- Important intelligent transport systems (ITS) location with more than 90 companies and 24 scientific institutions
- Location with internationally active corporations and successful medium-sized companies
- Innovative, dynamic startup scene in the area of mobile applications
- Proving ground for the latest transport technologies with outstanding international visibility
- State-of-the-art traffic information and traffic management facilities
- Excellent research and education landscape due to the large number of scientific institutions

## Proving ground for smart mobility

The capital region is a designated proving ground for multi-modal intelligent mobility. It is able to look back at many years of pioneering demonstration projects. Innovative public-private partnership models such as Verkehrs-informationszentrale Berlin or autonomous shuttle buses spearheading this movement. Open data is a focus: it encourages the implementation of new ideas and products and provides stimulus to the dynamic startup scene. The region's transport association and transport companies are open to new ideas and partnerships.

Companies appreciate the region's residents for their open mindedness when it comes to new forms of mobility, which is why they like to test their products in Berlin. Free-floating car sharing such as Car2Go, DriveNow and WeShare, in addition to various projects for automated driving (e.g. DIGINET-PS) are also part of the picture. Without telematics, they would not be possible. And because Berlin-Brandenburg is Germany's capital region, these projects have high international visibility.



»Traffic product development and state-of-the-art navigation – no wonder TomTom established a research and development center in Berlin. Based on the know-how in the capital, we can offer high quality products for traffic information and navigation to customers around the world.«

**Ralf-Peter Schäfer**  
VP Traffic and Travel Information Product Unit  
TomTom Berlin



»Traffic telematics is of particular importance for the capital region. This is also reflected in the successful establishment of innovative start-ups from research projects. Our company contributes to monitoring intermodal logistics chains in real time and thus to making freight transport more efficient.«

**Marian Pufahl**  
CEO | Synfioo GmbH

## Science and education

Berlin-Brandenburg is also home to a lively science scene. At many of the region's universities, in particular Freie Universität Berlin, Technische Universität Berlin, Potsdam University of Applied Sciences and Hochschule für Technik und Wirtschaft Berlin, researchers are examining a variety of fields, from automated driving to complex simulation environments and innovative methods of data analysis to research on new mobility concepts. Their work is often part of larger, international projects. As early as 2011, a driverless car developed at Freie Universität Berlin drove through the city under everyday traffic conditions. In the non-university area, the DLR's Institute of Transport Research and Institute of Transportation Systems and Fraunhofer FOKUS have special positions. At Technical University of Applied Sciences Wildau, young engineers are being prepared for their careers in a special, telematics-oriented course of study.

### Fleet management | Toll

Bosch Software Innovations  
Dacher Systems  
ENAIKOON  
Everride  
Fleetboard Innovation Hub  
Free2Move  
Getaround  
Kienzle Argo  
MOIA  
MOTIONTAG  
PSI Logistics  
Sennder  
Synfioo  
TACHOfresh  
Trafi  
TSI Telematic Services  
T-Systems  
Toll Collect  
UMI Urban Mobility Int.  
Vimcar

### Research | Education

Beuth University of Applied Sciences Berlin  
BTU Cottbus-Senftenberg  
Brandenburg University of Applied Sciences  
DAI-Labor  
DFKI German Research Center for Artificial Intelligence  
DLR  
EIT ICT Labs  
Fraunhofer FOKUS  
Fraunhofer IPK  
Fraunhofer IZM  
FU Berlin  
HTW Berlin  
HU Berlin  
TU Berlin  
Technical University of Applied Sciences Wildau  
University of Applied Sciences Potsdam  
Zuse Institute Berlin

### Associations | Networks

BITKOM  
ITS Berlin-Brandenburg

# Our aim: your success!

Berlin and Brandenburg support the intelligent transport systems focal area with an economic policy developed across state borders in the transport, mobility and logistics cluster. The cluster is managed under the aegis of Berlin Partner for Business and Technology and the Brandenburg Economic Development Agency (WFBB).

Our aim is to provide comprehensive support to companies and scientific institutions interested in inward investment or further development in the capital region.

We are ready to assist you with:

- Finding a site
- Funding and financing
- Technology transfer and R&D cooperation
- Cooperating in networks
- Recruiting personnel
- Developing international markets

Reach out and contact us!

[www.mobility-bb.com](http://www.mobility-bb.com)

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