THE AUTOMOTIVE INDUSTRY

in the Berlin-Brandenburg Capital Region

THE GERMAN CAPITAL REGION
MORE VALUE FOR YOUR INVESTMENT

Electromobility in the capital region

Resource-conserving supply of energy and energy efficiency are the key terms of the decade. When it comes to energy consumption, road traffic is one of the key focus areas. It is expected that electric and fuel cell drive technology for road vehicles will drive down CO_2 emissions considerably on a global level.

Tradition

In 1879 the world's first electric tramway, built by Siemens, began operation in Berlin. Daimler AG's engine factory in Berlin-Marienfelde, which still exists today, was already producing electric motors for road traffic more than 100 years ago. Furthermore, Berlin was the hub of German battery research and production.

Innovation

But what about today? Daimler has announced that it will be investing 40 million euros in the plant in Berlin-Marienfelde and will be manufacturing electric motors for passenger vehicles at that location in the future. Networks of regional automobile component suppliers are setting up working groups dedicated to researching new vehicle components for electric vehicles.

E-Smarts take on the look of the beBerlin marketing campaign

Berlin-Potsdam makes up one of the model regions for electromobility that are being funded by the German federal government, and is the model region where the largest projects focusing on the use of electromobility take place, with the highest number of vehicles and charging stations. The model region's activities cover the topics of integration of electric vehicles in public transport, integration of electric vehicles in mobility and housing services and the deployment of electric vehicles for urban logistics.

In 2008 Daimler und RWE set up "e-mobility Berlin", the largest joint electromobility project in Berlin with over 100 electric vehicles produced by Mercedes-Benz and Smart as well as 500 charging stations. BMW and Vattenfall started their large-scale project "Mini E Berlin powered by Vattenfall" in June 2009. Vehicles will be charged right "from the socket" using Vattenfall's charging columns located around the city or at home.

In 2010, BTU Cottbus, Vattenfall and the Fräger company started production of the STROMOS electric car series, among others, with their company German E-Cars, located in Cottbus. The STROMOS series has already been given unconditional approval for road use.

Creating a crash-proof housing for the high-capacity battery as well as an attainable range are two objectives that characterize the Berlin-Brandenburg joint project "ebase". The focus lies on the development of sustainable light weight construction concepts, and particularly on the development of an innovative undercarriage.

Siemens AG has moved the management of its mobility division back to Berlin and will be carrying out field tests of electric vehicles and charging infrastructure in the city, among other things.

Deutsche Bahn launched a pilot test with Toyota in July 2010, using the latest generation of the Prius plug-in hybrid for the Deutsche Bahn's car sharing service.

Research networks

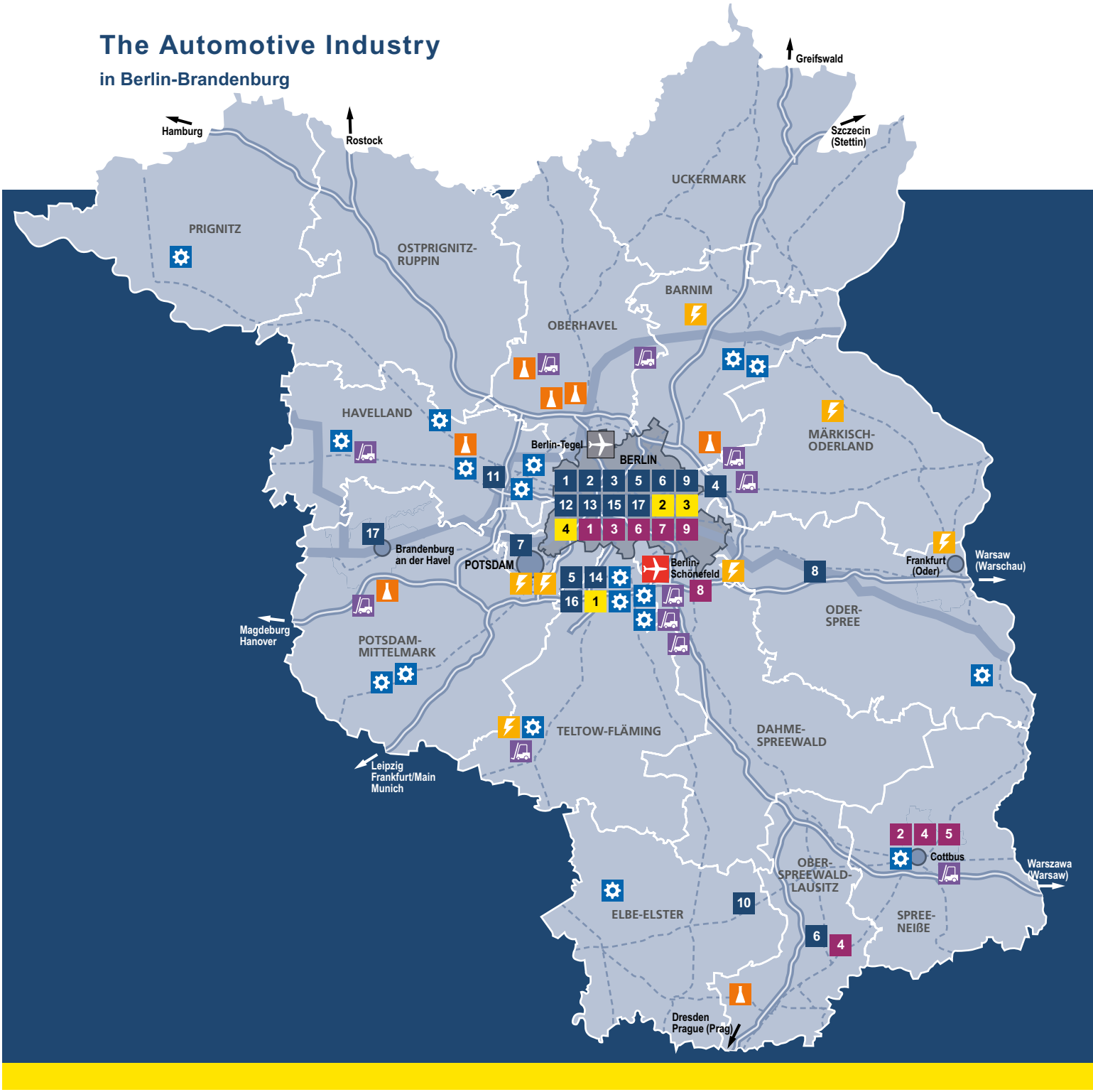
Highly innovative technologies such as electromobility require support from all levels of policy in the fields of technology and economy. Besides the German federal government's support of the model region Berlin-Potsdam, Berlin and Brandenburg's state governments are also providing their support for the integration of the multiple initiatives and activities set up to create the controlled and integrated development of an economic cluster.

The "automotive BerlinBrandenburg" network, a network of automobile component suppliers from the capital region that has its own technology transfer office, is the central point of contact for any enquiries related to technology transfer and innovations. Sponsored by the Brandenburg University of Technology Cottbus, the transfer office works closely with ZukunftsAgentur Brandenburg GmbH, "iq Brandenburg" and the InvestitionsBank des Landes Brandenburg.

The TSB Technology Foundation Berlin Group and its network organization for transport system technology, FAV – Forschungs- und Anwendungsverbund Verkehrssystemtechnik Berlin, are in charge of the project control office for the Berlin-Potsdam model region. Berlin is integrating the many activities related to electromobility in the capital city with the eMO – the Berlin Agency for Electromobility. Important partners include: Technical University Berlin, with its Innovation Centre Energy (IZE), the Universities of Applied Sciences and the Fraunhofer Institute (Berlin is Fraunhofer's main location in Germany: the city is home to seven individual institutes and the interdisciplinary forum E-Mobilität), the EUREF-University (European Energy Institute), federal research institutes such as the German Aerospace Center (DLR), the Federal Government Joint Unit for Electric Mobility (GGEMO), association representatives and several smaller and small research-oriented engineering companies.

The Automotive Industry

in Berlin-Brandenburg



- Selected companies from the sector
- Selected networks from the sector
- Industry-related educational and research institutions
- Suppliers of metal components and mechanical engineering supplies
- Suppliers of automotive and plant service components and logistics parts
- Suppliers of synthetic material, rubber and other materials
- Suppliers of electrical engineering and electronic components and electromechanic equipment
- Berlin-Tegel International Airport until 2012
- Berlin-Schönefeld International Airport, from June 2012 Airport Berlin Brandenburg
- Motorway
- Major railway line
- Waterway

The network for your success

Selected automotive companies and research institutions in the Berlin-Brandenburg capital region

Automotive companies

1 **BMW**
Production and assembly of motorcycles, Berlin · **www.bmw.de**

2 **BROSE**
Development and manufacturing of engine components, cooling systems, fan housings, radiator cowls, compressors, cooling fan modules, Berlin · **www.brose.com**

3 **carmeq**
Project management, process design, development of software modules and systems architecture, Berlin
www.carmeq.de

4 **CONTINENTAL**
Manufacture of hydraulic components for vehicles and research in the area of hybrid electric vehicles, Berlin and Hoppegarten
www.techno-chemie.contitech.de

5 **Daimler**
Production of Sprinter vehicles, petrol and diesel engines and electric motors, as well as components for MB passenger vehicles and Smart, Ludwigsfelde and Berlin
www.daimler.com

6 **DEKRA**
Automobile test and appraisal centre, homologation testing, engineering, CoP, Lausitzring and Berlin · **www.dekra.com**

7 **ERHARD**
Development and production of air reservoirs for commercial, passenger and rail vehicles, Potsdam
www.erhard-automotive.de

8 **Goodyear Dunlop Germany**
Part of the Goodyear/Sumitomo Group, development and production of passenger, heavy goods vehicle and special tyres, Fürstenwalde · **www.dunlop.de**

9 **IAV**
Automotive engineering, automotive electronics, engine and drive technologies, Berlin · **www.iav.de**

10 **Intier Automotive Interiors**
Passenger vehicle interiors, Massen · **www.intier.com**

11 **MAHLE**
Manufacture of camshafts, valves, cylinder head assemblies, turbocharger components, Wustermark · **www.mahle.com**

12 **PIERBURG**
Development and production of modules for fuel supply and management, throttle valve housings, intake modules, exhaust systems, Berlin
www.kolbenschmidt-pierburg.com · www.kspg.com

13 **TAKATA-PETRI**
Research and development of passenger vehicle safety systems (steering wheel, airbag and safety belt systems), Berlin
www.takata-petri.com

14 **ThyssenKrupp**
Thyssen Umformtechnik + Guss GmbH, passenger vehicle, vehicle body, replacement and series components, tools and appliances, Ludwigsfelde · **www.thyssenkrupp.com**

15 **VISTEON**
Development and manufacture of cockpit and automotive door systems, Berlin · **www.visteon.com**

16 **VW Original Teile Logistik**
Supplier of original VW, Audi, Seat and Škoda spare parts to the eastern German federal states, Ludwigsfelde
www.volkswagen.de

17 **ZF Getriebe GmbH**
Development and production of gearboxes for passenger vehicles, development and production of steering systems, Brandenburg a. d. Havel and Berlin · **www.zf.com**

Networks

1 **automotive Berlin Brandenburg (aBB)**
Network of automotive component suppliers in the capital region, Ludwigsfelde · **www.ac-bb.de**

2 **M+E**
Metal and electronics industry network in the capital region, Berlin · **www.me-netzwerk.de**

3 **profil Metall**
Steel and metal processing industry network in the capital region, Berlin
www.kooperationsnetze.info/netzwerke/netzwerk?id=464

4 **TSB Technology Foundation Berlin**
Central point of contact for all questions surrounding technology and innovations, Berlin · **www.tsb-berlin.de**
Together with FAV Forschungs- und Anwendungsverbund Verkehrssystemtechnik Berlin, network manager for transport and mobility, Berlin · **www.fav.de**

Research institutes

1 **Beuth Hochschule für Technik Berlin (formerly TFH Berlin)**
Courses of study in mechanical and industrial engineering, Berlin · **www.beuth-hochschule.de**

2 **BTU Brandenburg University of Technology**
Centre for lightweight construction, Cottbus
www.pantarhei.tu-cottbus.de

3 **DLR German Aerospace Center**
Transport research, Berlin · **www.dlr.de**

4 **Fraunhofer Application Centre**
Logistics systems planning and information systems for the automotive industry, Cottbus · **www.ali.fhg.de**

5 **Lausitz University of Applied Sciences**
Information technology/Electronics/Mechanical engineering: reciprocating engines and turbomachinery, robotics, tribology, Cottbus and Senftenberg · **www.fh-lausitz.de**

6 **HTW University of Applied Sciences Berlin**
Bachelors and Masters in automotive engineering, Berlin
www.htw-berlin.de

7 **InnoZ Innovation Centre for Mobility and Societal Change**
Centre for the development of innovative solutions, products and services in the field of mobility and societal change, Berlin
www.innoz.de

8 **University of Applied Sciences Wildau**
Mechanical and industrial engineering, Wildau
www.tfh-wildau.de

9 **Technical University Berlin (TU)**
Faculties include: mechanical engineering and transport systems, electrical engineering and computer sciences, Berlin
www.tu-berlin.de

Berlin-Brandenburg: Germany's automotive location for the future

The capital region Berlin-Brandenburg has rapidly developed into a veritable "car haven" in recent years. The number of Tier 1 and Tier 2 suppliers is growing continuously; currently, approximately 20,000 people are employed in over 200 companies. A defining characteristic of this development are the closed value chains.

Assembly of passenger vehicle interiors at Intier Automotive Interiors (MAGNA) in Massen

The companies cover a wide spectrum of areas. They range from large original equipment manufacturers (OEMs), such as Daimler and BMW, to global players in the supplier industry, such as Thyssen-Krupp, ZF, MAGNA Intier, Goodyear Dunlop, Takata-Petri, Continental and Pierburg.

VW sales centre in Ludwigsfelde

The research and development landscape, comprising seven universities, 21 university colleges and universities of applied sciences and over 100 private and public institutes as well as over 182,000 students, sets a good example for European standards.

A collaborative innovation strategy in the capital region will further the high level of networking between industry and science. One example of this is the existing model region for electromobility.

10 advantages of investing

- At the intersection of the most important European transport axes
- Proximity to growth markets in Central and Eastern Europe
- The most dense area for research in Germany

- Local access to leading businesses in the industry and innovative suppliers
- Optimal networking in the regional automotive industry in the automotive BerlinBrandenburg (aBB) network of automotive component suppliers and the Automotive Cluster Eastern Germany (ACOD)
- Highly qualified, motivated, on-hand specialists and managers, flexible working hours
- Excellent transport and telecommunications infrastructure
- Two international airports, from 2012 the new Airport Berlin Brandenburg
- Best investment incentives (EU target area 1)
- Fast and unbureaucratic approval procedure

Motorcycle production at BMW in Berlin

Berlin-Brandenburg capital region
Locational advantages, facts and services

Potsdamer Platz

Glienicke bridge, connecting Berlin and Potsdam

Hans Otto Theatre, Potsdam

Where investment makes sense

Berlin-Brandenburg is the best funding location in Europe. Investment assistance comes in the form of direct subsidies. Funding programmes pool resources from the EU, the German federal government and the states of Berlin and Brandenburg. In the capital region, large companies receive up to 30 percent in investment subsidies, medium-sized companies up to 40 percent and small companies up to 50 percent.

High quality of life

The region offers the unique combination of Berlin's international metropolitan flair and Brandenburg's fascinating countryside and historical places of interest. A nightlife like no other, renowned large-scale events, more than 170 museums, 150 performance venues and around 500 palaces, churches and parks – all these add up to an irresistible location. The region also offers unlimited sporting and leisure activities such as golf, horse riding, water sports and flying. Living costs, transport and leisure activities are considerably cheaper than in other comparable metropolitan regions.

Making investment easy

The two business promotion agencies Berlin Partner GmbH and Brandenburg Economic Development Board GmbH (ZAB) provide extensive support with the establishment of your business: they're competent, quick, unbureaucratic, confidential and offer a free service.

- Location: facts and figures about the Berlin-Brandenburg business region
- Personnel: support with the recruitment and training of new employees
- Real estate: help with leasing or buying premises
- Financing: advice on funding assistance and financing methods
- Contact with: public authorities, banks, trade associations, corporate alliances

www.capital-region.de
www.brandenburg-invest.de/automotive
www.businesslocationcenter.de

Your contact in Brandenburg:

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