Berlin-Brandenburg is Going Electric

Gernot Lobenberg
Head of Berlin Agency for Electromobility eMO
Invitation for international cooperation

- **Best practice exchange** with other regions to different topics (e.g. policy strategies, implementation of charging infrastructure, regulatory law, new mobility concepts and business models, integration of electric freight transport)

- Joint preparation and implementation of **European or bi-national projects** on electromobility (i.e. with HORIZON 2020 RTD programme)

- Joint presentation of interests towards European bodies – by using relevant networks

- Berlin is a member of several relevant networks, e.g. **HyER**: European Regions promoting hydrogen/fuel cells and battery powered vehicles in transport and **Electric Vehicle Initiative**
Excellent conditions to establish electromobility

- **“Business Card” for Germany**
  (federal government, embassies, associations)

- **Attraction for tourists and talents**
  (130 million single day visitors and 25 million overnight stays in hotels)

- **Pioneer terms of an effective, environmental transport system**
  (almost 50% of private households do not possess a passenger car)

- **Future-oriented energy generation**
  (in 2020, Brandenburg will cover its average electrical consumption by 100% renewable resources)

- **Neutral site for OEMs** (no single manufacturer dominates the region)

- **Important R&D center** (Technical University Berlin connects 21 departments in the “research network for electromobility”)
Electric Mobility in Berlin and Brandenburg – Some facts about the status today

Berlin-Brandenburg hosts more demo and RTD projects than any other region in Germany.

- More than 100 projects in our region, thereof about 70 on-going projects (thereof 30 core projects in the showcase) 20 currently requested grant-projects 20 further projects in preparation
- with about 1,200 electric cars and trucks (battery-powered and range extender supported) in fleets and private the highest amount of automotives in Germany
- 400 public charging points – one of the highest numbers in Germany, in addition an unknown number of private charging points
- 4 hydrogen stations (two additional planned)
eMO Partners (05.11.2013)

Partners:

- Total
- GASAG
- BMW Motorrad
- RENAULT
- NIEDERLASSUNG BERLIN
- iAV
- VORWEG Gehen
- Potsdamer Platz
- Berlin Tempelhof Projekt
- Berlin Tegel Projekt
- ADAC
- inpro
- ubitricity

National Network-Partners:

- BEM
- BITKOM
- ZVEI
- bdeW
- DIN
- bsm
- TelematicsPROeV

Regional Network-Partners:

- Elektro-Innung Berlin - Landesinnung für Elektrotechnik
- Innung des Kraftfahrzeuggewerbes Berlin
- automotive Berlin Brandenburg
Leading Metropolis for Electromobility

VISION

Berlin-Brandenburg will become the leading metropolis for electromobility in Europe. The region offers a platform for the power of innovation of German industry - A platform which is visible worldwide and adds value to the region and significantly contributes to improving the quality of life here.
- **Duration**: from 2013 - 2015

- **30 core-projects with more than 100 partners**

- **Project volume**: about 90 Mio. €

- **Total of about 4,000 vehicles** (showcase and associated projects)

- About 400 charging points by now, extension up to 1,600 charging points until end 2015

<table>
<thead>
<tr>
<th>Funder</th>
<th>Total</th>
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<tbody>
<tr>
<td>Self-Funding of Companies</td>
<td>~ 35 million €</td>
</tr>
<tr>
<td>State Support</td>
<td>~ 37 million €</td>
</tr>
<tr>
<td>Berlin and Brandenburg</td>
<td>~ 18 million €</td>
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<thead>
<tr>
<th>Vehicles from the…</th>
<th>Cars</th>
<th>Utility Vehicle</th>
<th>eBikes</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>Core-Projects</td>
<td>~ 1,350</td>
<td>~ 150</td>
<td>~ 750</td>
<td>2,250</td>
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<tr>
<td>Associated Projects</td>
<td>~ 1,600</td>
<td>~ 130</td>
<td>~ 40</td>
<td>1,770</td>
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**Coordination**: Berlin Agency for Electromobility eMO
Example for a Core Project:

Berlin-Brandenburg as a „Hot Spot“ of European Car-Sharing

- In Berlin Carsharing was founded and developed up to series maturity – Berlin is the „Carsharing Pioneer“
- With more than ten provider Berlin is „the place to be“ for Carsharing in Europe
- Many of the providers add electric vehicles to their fleets, to make them available for the cities
Example for a Core Project:

Enlargement of charging infrastructure

- Development of an area-wide, demand oriented charging infrastructure
- Flexible e-carsharing is the reference user scheme
- To ensure cost and risk minimising for the municipality
- To ensure a non-discrimining access

Two step approach:
- up to 1,600 charging points by the end of 2015
- Public tender (Europe-wide) launched in 2012, to be concluded beginning 2014
- Coordinated by Senate Department for Urban Development and the Environment
Example for a Core Project:

NANU!: Multi-shift operation and delivery during the night with electric-powered commercial vehicles

Major topics:

- Testing of the multi-shift operation of battery powered mid-size commercial vehicles using congestion-free night time
- Controlled charging to improve the overall economic efficiency of electric commercial vehicles
- Organisation of 24 hours operation from the perspectives of the logistics, the customers point of view as well as the regulatory law
- Introduction of a swop battery system for commercial vehicles
- Establishing a new partnership for controlled charging between logistics service provider and energy supplier

Supported by:

- Federal Ministry for Transport, Building and Urban Development

Project coordinator:

- Fraunhofer IPK

Project partners:

- Meyer & Meyer
- Hüffermann Transportsysteme
- Castellan
- DLR, Institut für Verkehrsforschung
- TU Berlin, DAI-Labor
- LNC
Electromobility Sights

Supported by:  
Coordinated by:
Let’s cooperate!

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