

## **BELGIAN TRADE MISSION on ELECTROMOBILITY**

**October 10 & 11, 2012**

**STUTTGART**

### **WORKSHOPS ELECTROMOBILITY – 11 OCTOBER, 2012**

**E-Mobility in Baden-Württemberg and Flanders, looking 15 years into the future !**

**Time: 08:30 hrs until 14:00 hrs**

**Wirtschaftsregion Stuttgart Conference Center, Kronenstrasse 25, 5<sup>th</sup> floor 70173 Stuttgart**

#### **MEET KEY PLAYERS IN ELECTROMOBILITY from BELGIUM !**

CONTACT Flanders Investment and Trade at [Stuttgart@fitagency.com](mailto:Stuttgart@fitagency.com) or at tel: +49 711 223 8806

09:00 – 09:15	Introductions
09:15 – 10:00	<b>E-Mobility in Baden-Württemberg and Flanders, looking 15 years into the future !</b> <ul style="list-style-type: none"><li>• <b>Mr. Wolfgang Leidig</b>, Ministerialdirektor Finanz und Wirtschaft Baden-Württemberg.</li><li>• <b>Ms. Ingrid Lieten</b>, Flemish Minister of Innovation</li></ul> Ministerialdirektor Leidig and Ministerin Ingrid Lieten present their region's strategic vision on the topic of electromobility.
10:00 – 10:45	<b>Experts on electromobility exchange experiences and viewpoints. For the details on the groups, see next page</b> <p>Group 1: Energy in the vehicle, the challenge of reinventing the drive train.</p> <p>Group 2: Hydrogen, will it replace fossil fuels as the dominant energy source in the future ?</p> <p>Group 3: Charging infrastructure and smart grids.</p> <p>Group 4: Intermodal mobility, threat or opportunity ?</p>
10:45 – 11:15	Coffee Break
11:15 – 11:45	Groups continued
11:45 – 12:15	Group debriefing
12:15 – 12:30	European funding systems for e-mobility research projects
12:30 – 12:45	Closing statements
12:45 – 14:00	Walking Lunch

WORKSHOP - October 11

E-Mobility in Baden-Württemberg and Flanders, looking 15 years into the future !

PROGRAM DETAIL

***The topics below are familiar to you. However, the people are new ! You will walk away from the table smarter, having seen the issues through your neighbor's eyes. Together, you will have laid down a few seeds for new ideas, future cooperation and joint business.***

In each workshop group, German participants are paired with the Belgian visitors. Each group will open with a brief introductory presentation (Impulsvortrag). The moderator will encourage the participants to share their views and experiences with regards to the topics below. Have we missed an important issue ? Please come and bring it to the table !

<p>Group 1</p>	<p><b>Energy systems in the vehicle.</b></p> <p><b>Moderator:</b> Mr. Dominic Homberger, Marketing &amp; Sales Manager, Umicore – Rechargeable Battery Materials</p> <p><b>Introduction:</b> Dr. Herbert Ampferer, Director Environment and Energy, Dr. Ing.h.c.F.Porsche AG</p> <p>Electric and hybrid vehicles will be radically different from their predecessors. Less and entirely different components pose a particular challenge to the automotive supply industry. A whole new value chain of products is needed to power the car of the future. German experts compare notes with their Belgian colleagues on:</p> <ul style="list-style-type: none"><li>• How suppliers are retooling for this new reality ?</li><li>• What are best practices towards energy conscious design?</li><li>• How to manage safety in energy storage systems?</li><li>• What are the materials/technologies for next generations of EV batteries?</li><li>• Recycling / End-of-life solutions for batteries?</li></ul>
<p>Group 2</p>	<p><b>Hydrogen</b></p> <p><b>Moderator:</b> Mr. Jan Vliegen, Senior Vice President Future Business for Energy Materials, Umicore and President of WaterstofNet, a hydrogen cluster initiative in Flanders and the Southern Netherlands.</p> <p><b>Introduction:</b> Dr. Manuel Schaloske, Referent für Brennstoffzellentechnologie, Elektrofahrzeuge und Nutzfahrzeuge - e-mobil BW</p> <p>Hydrogen automotive technologies do not suffer from any reach limitation. It can be tanked like traditional fuels. Therefore, it does not require a major behavioral adjustment by the users. In this panel, you will discuss:</p> <ul style="list-style-type: none"><li>• How Germany and Belgium see the future of Hydrogen in mobility ?</li><li>• Whether hydrogen will replace fossil fuels as the dominant energy source ?</li><li>• Hydrogen for fuel cells or hydrogen internal combustion?</li><li>• Solutions for hydrogen generation and storage?</li></ul>

Group 3

**Charging infrastructure and smart grids.**

**Moderator:** Mr. Ivo Claes, Project Manager, Flanders Living Lab Electric Vehicles – Electric Vehicles in Action Platform.

**Introduction:** Mr. Uwe Hahner, General Manager Business Unit Parking / E-mobility, Swarco Traffic Systems GmbH

The interests of the consumer, the power companies and the providers of charging infrastructure meet at the charging point. Each has their own needs. Only a win-win-win solution will allow e-mobility to take off and grow. Experts from both countries will discuss the following topics:

- Who should own the batteries ?
- Are our smart grids smart enough to meet the needs of the market ?
- Userfriendly charging ? Is the sector up to the challenge ?
- Roaming, billing , clearing: are we ready for cross border e-traffic ?

Group 4

### Intermodal Mobility Services

**Moderator:** Herr Christophe Fondrier, Director Market Development and Partner Management - High Q Computerlösungen GmbH.

**Introduction:** Mr. Olivier De Cock, Platform Manager Olympus Platform Flanders Living Lab Electric Vehicles .

Mr. Koen Vandeputte, NMBS (“Belgische Bahn”), Head of Department Corporate & Change Office.

Traffic congestion, pollution and shifting consumer preferences favor the development of intermodal mobility solutions. Train to car-share, train to bike can become viable alternatives to the personal vehicle, provided it is always available and easy to use. Does Germany have different experiences from Belgium ? We will probe the issues through the following questions:

- Is the technology mature enough to make the business models work ?
- What should be the role of Government ?
- How receptive is the consumer ? Is the technology userfriendly ?
- What does it mean for the automotive industry in terms of new vehicle concepts like light city vehicles ?