



Introducing the project "E-Mobility NSR"

Prof. Walter Leal, HAW Hamburg, DE

About us!



e-mobility NSR

- HAW Hamburg is Hamburg's 2nd largest university
- Over 12.000 students in 4 Faculties (TI, LS, DMI, WS): 2.500 in LS
- Our Centre (FTZ-ALS) was created in 2007 and specialises on renewable energy, climate and sustainability, 8 staff
- Worldwide active (North Sea, Baltic Sea but also Eastern Europe, Africa, Latin America and Caribbean)
- 11 Projects (Euro 16m)

Outline



e-mobility NSR

1. Background of the project
2. Some key data
3. Aims of the project
4. Partners
5. Work Packages
6. Expected outputs
7. Getting involved!

1. Background of the project



e-mobility NSR

- Several regions and cities in the NSR current seek to develop strategies and action plans to stimulate e-mobility, by encouraging the use of electric cars for local transport. However, these activities are not fine-tuned or interlinked, meaning that valuable human and financial resources are not being put to full use.
- This limits the concept of e-mobility to individual cities or regions and leads to a limited use of e-mobility between these cities or regions, which characterises an untapped potential.
- There is a need for a project to develop the conditions to steer current and future developments, connect the various networks to form a true transnational “backbone” or “grid” within the NSR to increase accessibility in the region.



2. Some Key Data



1. Funding source: Interreg IVB North Sea Programme
2. Project duration: from 1st October 2011 to 30th September 2014
3. Number of partners: 11
4. Participant countries: BE, DE, DK, NL, NO, SE, UK
5. Budget: Euro 6,6m



WHY IS THIS PROJECT IMPORTANT?

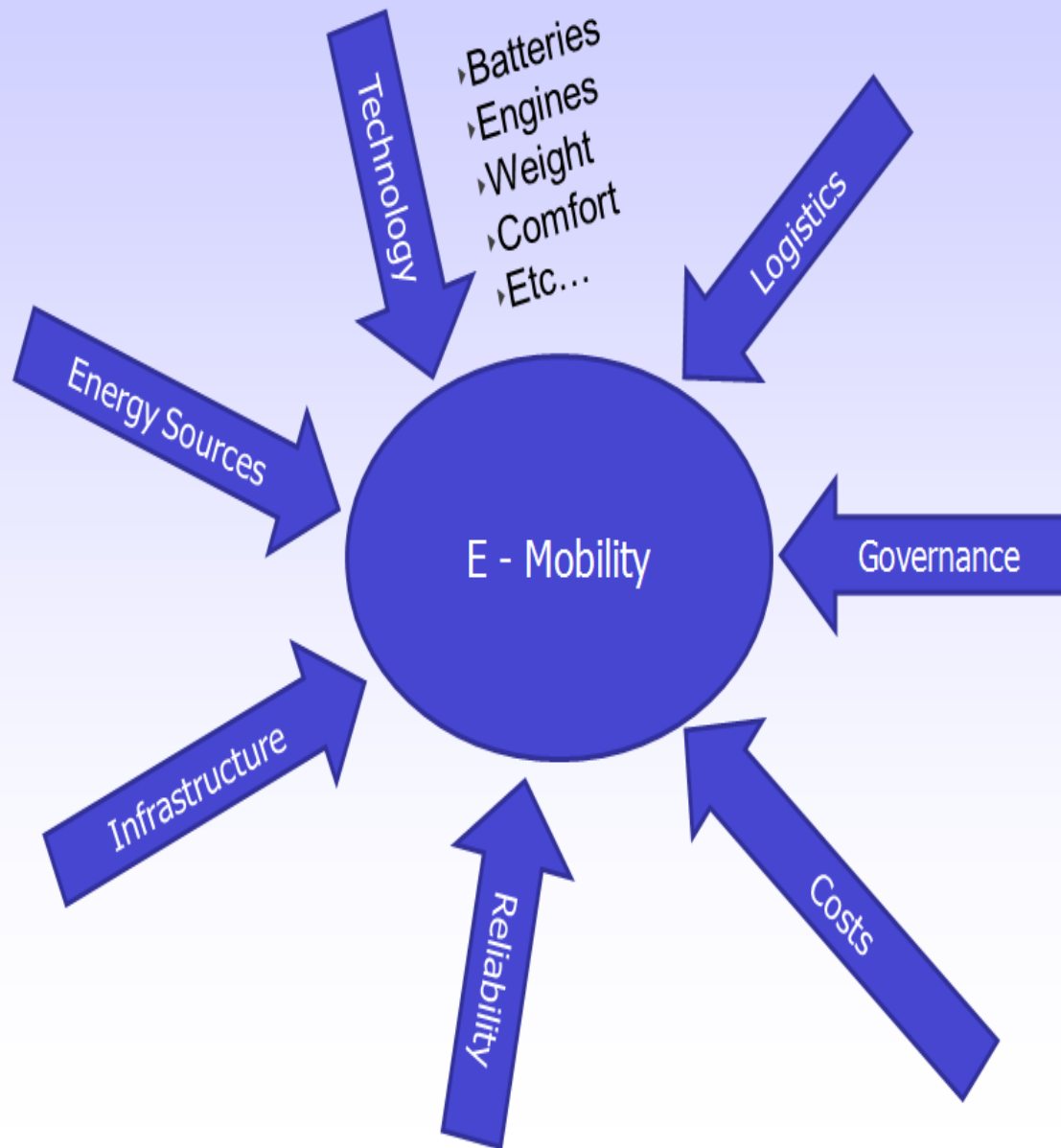


FOR 3 REASONS!



e-mobility NSR

- 1. Economic:** there are very few areas where so much investment is seen, but this needs guidance.
- 2. Political:** there is a risk many cities and regions will be left behind (the EMG Syndrom).
- 3. Technological:** the push seen in the next 3 years will largely decide what the next 20 years will look like: IT, batteries, logistics, propulsion, etc...



3. Aims of the project



e-mobility NSR

The project aims to:

1. increase accessibility by fostering e-mobility and stimulating the use of electric car transport across the NSR region, paying due attention to its links with freight and logistics;
2. realise the potential of e-mobility towards supporting regional economic development in the NSR and assist towards increasing its accessibility and achieving greater territorial integration;
3. unlock substantial future investments by identifying areas where action and investments are needed.



4. Partners



Hamburg University of Applied Sciences (D)	
Delft University (NL)	
WFB Wirtschaftsförderung Bremen (D)	
Northumbria University (UK)	
Lindholmen Sciencepark (S)	
Høje-Taastrup Municipality (DK)	
Association of Danish transport and logistics (DK)	
Zero Emission Resource Organisation (N)	
Transenergy (B)	
Cities Institute/ London Metropolitan Region (UK)	
Province of Noord-Holland (NL) / Amsterdam Metropolitan Region (NL)	

5. Work Packages



e-mobility NSR

WP1 – Project management and administration (HAW, DE)

WP2- Project information, communication (HAW, DE)

WP3- Inventory of state of the art and stakeholder analysis (TU Delft, NL)

WP4- Development of a Transnational e-mobility plan (Lindholmen, SE)

WP5- Smart grid solutions (TransEnergy, BE)

WP6- Set up Transnational Electric Mobility Information Centres (EMIC) (Hoje-Taastrup, DK)

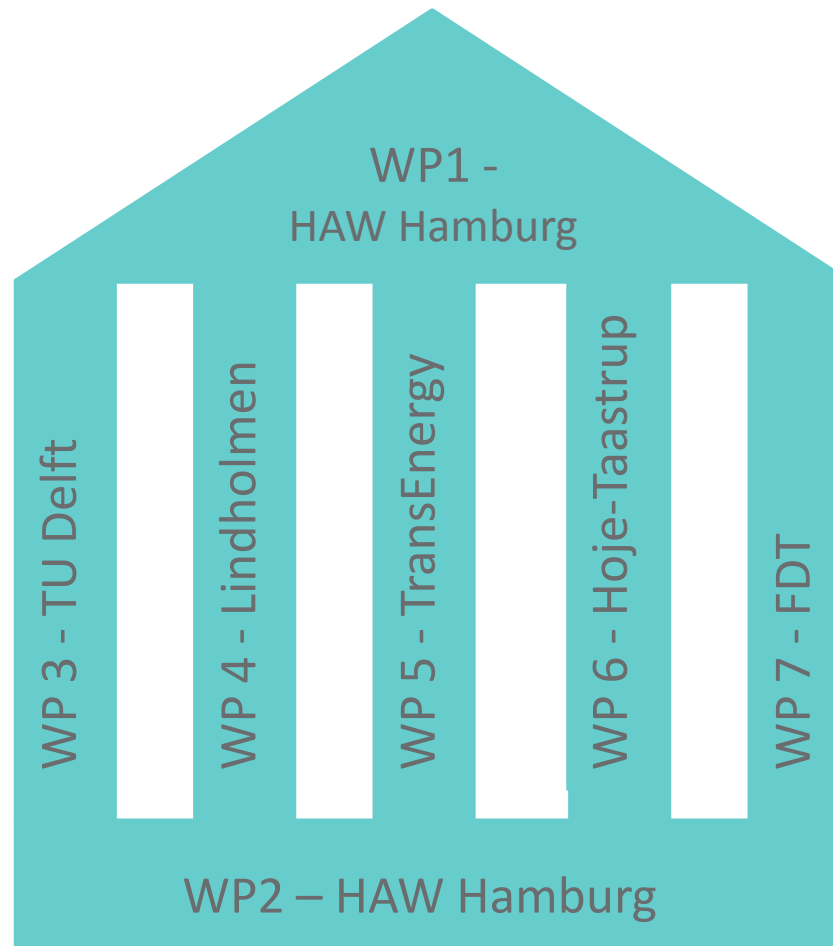
WP7- Promoting efficient and effective urban freight logistics solutions in enhancing regional accessibility (FDT, DK)



Overview of WPs



e-mobility NSR



6. Expected outputs



e-mobility NSR

1. **State of the art information on policy developments** and current and future action needed to support e-mobility in the NSR.
2. **Identification of gaps and needs** in respect of infrastructure, logistics, and preliminary standards for multi charging techniques
3. **The development of a smart grid concept** with charging points, to contribute to an increasing accessibility in the region with e-mobility.
4. **The development of a virtual e-route** across the NSR and **set-up of information centres**, to inform and raise awareness about e-mobility.
5. **The integration of an urban freight logistics dimension** into the e-mobility network promoting better accessibility and cleaner cities.





e-mobility NSR

7. Getting involved

1. The project is inclusive and a wide network is being built
2. The project team is interested in synergies and in avoiding duplications
3. Participation of project activities is free of any charges
4. If you want to get involved, please contact the project team in each of the participant countries!





Thank you!

Hamburg University of Applied Sciences
Research & Transfer Centre „Applications of Life Sciences“
Prof. Dr. (mult.) Dr. h.c. (mult.) Walter Leal
Natalie Fischer, Franziska Mannke
Tel: +49 (0) 40 42875 6324
Fax: +49 (0) 40 42875 6079
e-mobility@ls.haw-hamburg.de
www.e-mobility-nsr.eu