

Electromobility +

SELECT

Suitable Electromobility for Commercial Transport

Dr. rer. nat. Sebastian Schneider



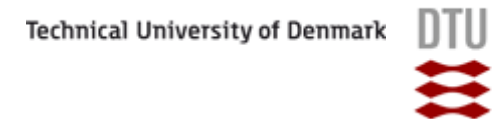
Project facts

- Project Duration: 3 years
- Number of partners: 3 scientific + 3 industry
- Project kick-off: September, 18th 2012



The project consortium - Research

- Institute of Transport Research,
German Aerospace Center (DLR)
Berlin
- Technical University of Denmark (DTU)
Copenhagen
- AIT Mobility – Austrian Institute of Technology
Vienna



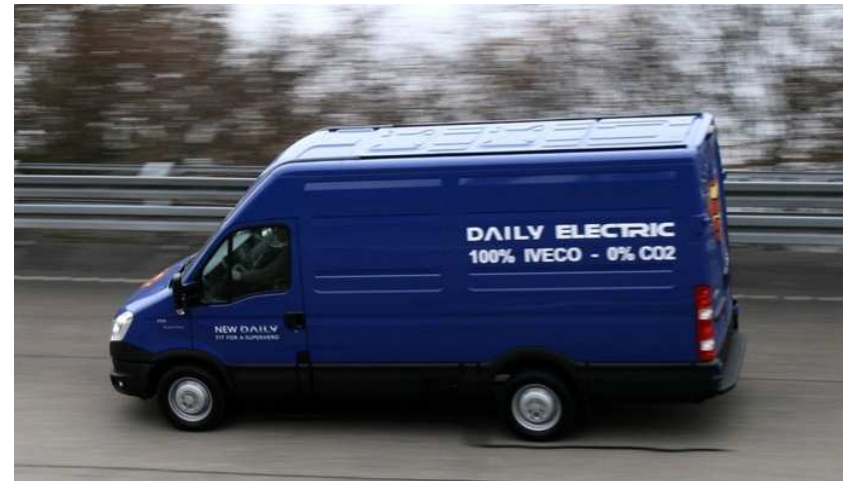
The project consortium - Industry

- CLEVER A/S (formerly ChooseEV), Denmark
(electric mobility operator, owned
by two Danish energy companies, 300 vehicles)
- Consilio Information Management GmbH, Austria
(consultancy for technical vehicle equipment
for data collection)
- Reffcon GmbH, Austria
(consultancy for sustainable mobility)



The aim

- To determine and to develop the **potential of Electromobility in commercial transport**
- The application of EV is especially useful in **urban areas** where a large number of **short trips** are being made and where the vehicle can be recharged during nighttime



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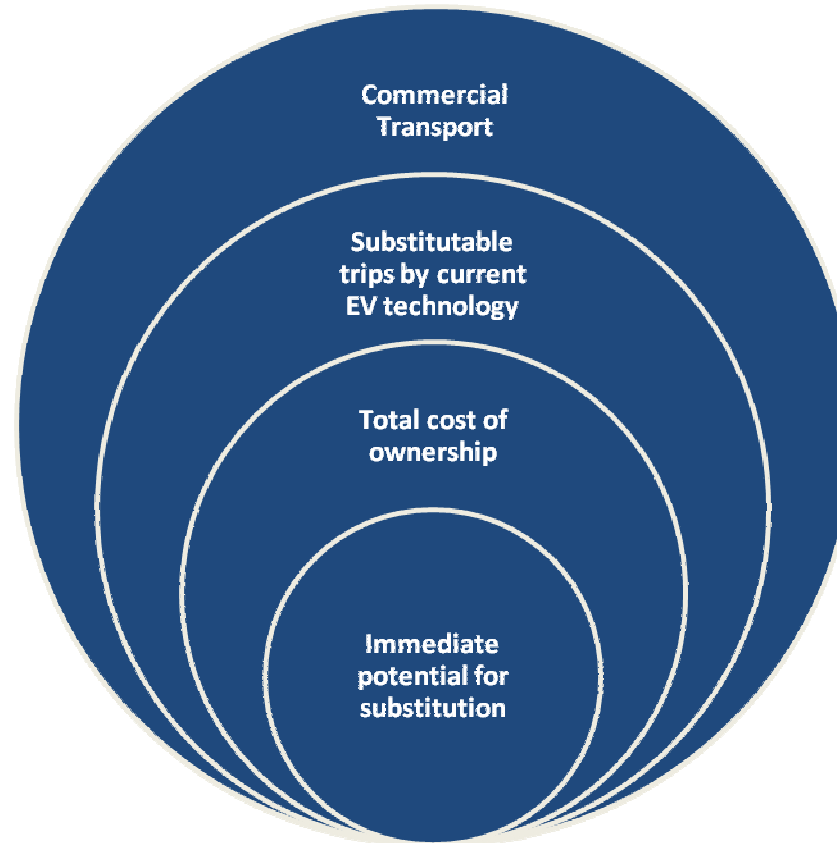


Potential in commercial transport

- **Many vehicles run < 50 km per day**
 - **Many vehicles could be charged overnight**
 - **some sectors are more suitable than others**
-
- **Available EV technology**
 - **Cost / benefit analysis**



Stepwise identification



Three levels of analysis

1. General level:

Analysis of commercial sectors with regard to **potential market shares** based on common **usage patterns**

2. Mid-level:

Concentration on **particular sectors**, with detailed (GPS) trip analysis

3. Case study level:

Determination of specific organizational needs for EV when looking at the **actual practical integration** of such vehicles into a particular fleet (e.g. novel methods for **mixed fleet management**)



Examples

- Courier services
- Delivery services
- Mobile nursing services



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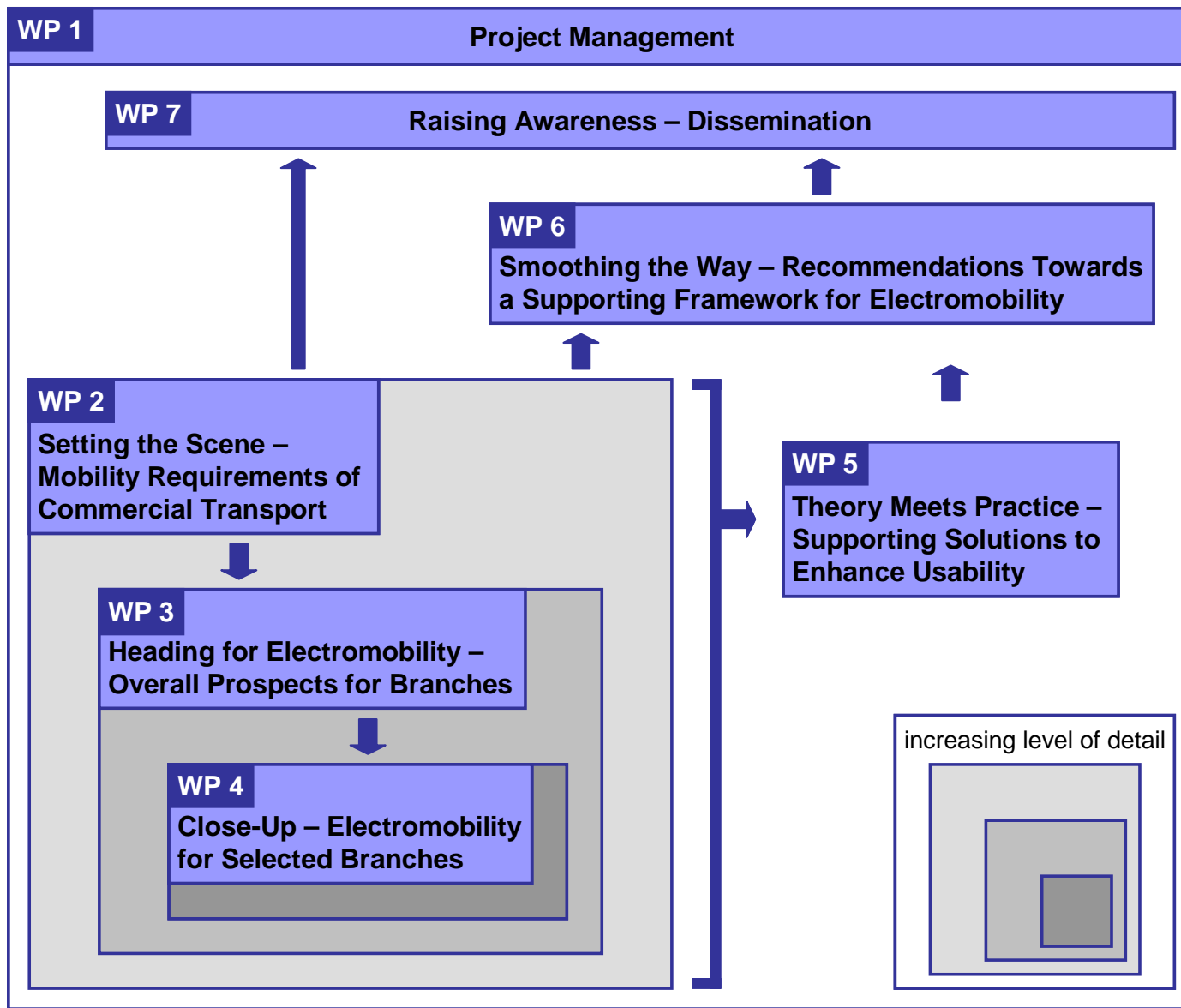


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Thank you.

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