Accelerating E-Mobility
Our Aim

ENEVATE aims to facilitate and support an accelerated and well informed introduction of electric mobility in North West Europe through structured transnational cooperation between public authorities and business representatives.

In doing so, the project aims to boost innovation and competitiveness of the rapidly developing electric vehicle sector in NWE and at the same time contribute to the urgent environmental challenge of reducing CO2 emissions.

ENEVATE targets electric road vehicles, energy infrastructure, integrated mobility concepts, and demonstrates the potentials through pilot actions and enables other actors too.
WP 4: Pilots

WP lead: ATC, Netherlands

Main aim is to demonstrate the validity of the ENEVATE tools and outputs through their implementation in several regional EV pilots.

This is done by:

- Analysing existing EV Pilots in NWE regions
- Set-up pilot guidelines for pilot owners
- Assess and benchmark international pilots

The findings will be implemented in regional pilots, in order to support the quality, efficiency, effectiveness and sustainability of pilots, by implementing the recommendations and guidelines in a selected number of high level “real world” pilots.
What has been achieved:
- Successful tender for test beds (9 projects)
- Successful R&D tender (15 projects)
- Dutch agreement on technical aspects (plug)
- Public access to charging facilities
- Extension of the tax benefits
- Launch of a battery-testing centre in Helmond
- Vision and roadmap for the Government
- Intensified international collaboration

Stimulation package for the future:
- Tax benefits (Private motor vehicle, motor cycle tax BPM, motor vehicle tax MRB)
- Focus areas, market segments, international test beds, communication and R&D: € 9mln
- High tech areas including Smart Grids: € 26mln
- EU subsidy schemes
Pilots in the Netherlands

- **Van Gansewinkel Groep** voor Proeftuin elektrische vuilniswagens bij Van Gansewinkel group
  8 Electric garbage trucks

- **Collect Car B.v.** voor Elektrische Greenwheelauto’s in de G4
  25 EV’s

- **Cornelissen Transport BV** voor CityShopper elektrische stedelijke bezorgservice

- **Peters Appel Transport B.V.** voor Elektrisch bezorgen van levensmiddelen
  40 EV’s

- **L.A.J. Duncker B.V.** voor Fijnmazige stadsdistributie met elektrische vrachtwagens voorzien van cryogene koelinstallatie
  15 10T trucks

- **Ontwikkelingsmij Den Haag voor Elektro-pool Haaglanden**
  15 EV’s

- **STEDIN** voor 75-EV’s-RO
  75 EV’s and plug in hybrids

- **Stichting Urgenda voor Texel Gastvrij Elektrisch Vervoer - Opladen op Texel**
  26 EV’s

- **SLIM Elektrisch rijden Noordoost Brabant**

- **Deelautopark Paleiskwartier**

- **Investing in Opportunities**

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**European Network of Electric Vehicles and Transferring Expertise**

**Accelerating E-Mobility**
Brabant is a highly industrialized, knowledge-intensive region

Strengths: automotive, high-tech, smart grids

Subsidypackage: Regeling Elektrisch Rijden en Slimme Decentrale Netwerken
  - Support in realising market introductions of Electric Driving and smart infrastructures
  - Crosssectoral Innovations: Automotive, High Tech Systems, Grid
  - Connection between Technology Push (Breakthrough Innovations) and Market Pull (Pilot Projects)

Total EUR 2,8 mln subsidy available
  - 1st Tender July 2010 (EUR 1 mln)
  - 2nd Tender December 2010 (EUR 1,8 mln)
  - End of Project December 2011

• Pilot visit in Q2 2012
1. **SLIM Elektrisch rijden Noordoost Brabant**: Charging infrastructure for electric fleet in public area of Den Bosch.

2. **Pro OV**: Development of 12m public transport bus with inductive charging. Den Bosch.

3. **Electrical Charging Inverter Device**: High power inverter system for commercial vehicles and industrial equipment. Oss

4. **ETR**: Full electric HD-TV reporter vehicle for sports events. Den Bosch

5. **Deelautopark Paleiskwartier**: Electric car park for business users in Den Bosch, charging and parking.

6. **IPT Bus**: Pilot with 12m city bus and inductive charging. Den Bosch.

7. **Zero Emission Phileas**: Inductive charging system for public transport systems, 24m city bus. Helmond

8. **STaR Range Extender**: Development of a new type range extender. Eindhoven

9. **E-truck on the road**: Electric/ hybrid DAF garbage truck. Westerhoven

10. **Smart Charging**: smart charging based on existing infrastructure with Better Place
Pilot projects

Next phase

2011: 3000 EV’s
- 9 EV pilots (€10mln)
- 15 R&D project (€18.5mln)
- 1900 charging points
- 8 fast charging points

2015: 20,000 EV’s
- 20,000 charging points
- 100 fast charging points
- Transnational test beds

2020: 200,000 EV’s

Source: Roland Berger study PNB for the province of Noord-Brabant
Closing comments …

Thank you, good bye and please visit us at:

WWW.ENEVATE.EU