

# WP 5

## Regional study for gas vehicles and gas cars expansion in each region

(D.5.2.1. – 5.2.12)


This publication is a result of  
the project Madegascar, EIE/07/180/S12.466795  
supported by

Intelligent Energy  Europe

**Disclaimer:**

*The sole responsibility for the content of this WP 5 publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that maybe made of the information contained therein.*

Please return the filled out form to [baumgartner@grazer-ea.at](mailto:baumgartner@grazer-ea.at) no  
later than **20<sup>th</sup> of February 2009**

Intelligent Energy  Europe

**Del. 5.2.1-5.2.12**

**Partner Nr.: SEVEN (8)**

**Country: Czeck rep.**

**Region: City of Prague, South Bohemia and Pardubice**

**Are there existing filling stations and CNG cars already in the country: YES**

**Regional study for gas vehicles and gas cars expansion in each region (D.5.2.1 – 5.2.12)**

**Remember: In Del. 2.2 as well as in Del. 2.7 you have been asked about your vehicle expansion plans in general. In 5.1 you have been asked about your general cooperation partners and dissemination channels. Now you have to elaborate the questions more detailed working together with concrete networks and partners to achieve your vehicle expansion goal.**

**1. Expansion plans**

- General identification of each fleet (> 5 vehicles) operating in the regional context

**List your identified fleets shortly:**

Based on the profound analysis, following major fleet operators in the region of interest which are prospective users of NGVs (or already use them) have been identified:

1) Fleet operators active only or predominantly in Prague - Dopravni podnik hl.m.Prahy Inc. (over 1400 buses, of which prospectively 100-150 on CNG), Prazske sluzby Inc. (over 70 HD vehicles for waste collection and street cleaning, prospectively all on CNG), Prazske kolektory Inc. (several passenger cars, prospectively all on CNG), various state administration institutions (ministries, subordinated bodies, prospectively 20 % on CNG), taxi operators like Radio taxi, AAA, Sedop etc (tens pf cars. at minimum).

2) Fleet operators active nation-wide including Prague, South Bohemia and Pardubicky kraj: Ceska posta Inc. (1000-odd passenger cars, prospectively 10-20 % on CNG), LeasePlan Ltd. (around 20 thous. vehicles, mostly passenger cars, the rest then LD vehicles provided nation-wide on financial lease contract basis to various organizations, also possibly to partly be switched onto CNG), ČSAD Jihotrans Inc. (over 700 buses and trucks), Connex (several hundred of buses used for public transportation).

**2. Identification of regional network or partners which could be interested**

- List partners and cooperation area:  
*E.g. Gas company which builds filling stations*

**List your partners and networks shortly:**

- Prazska plynarenska Inc. - company is investor and operator of CNG filling stations in area of Prague, provides also NGV rental services - strategic partner on initiation and development of a concrete project for biogas production and use as motor fuel in Prague
- E.ON - major shareholder of Prazska plynarenska company; strategic partner on initiation and development of a concrete project for biogas production and use as motor fuel, especially in city of Prague.
- Cesky bioplyn s.r.o. - Czech daughter organization of Munich-based BASE Technologies GmbH; consulting, engineering and investor of biogas-related projects; strategic partner for biogas production and upgrading technology selection and implementation
- Czech Gas Association - the network of various (natural) gas-use related organizations; partner for promotional activities.
- Prague City Administration - partner for co-ordinated action in initiation and development of biogas (production and) upgrading facility for use.

**3. Identification of possible needs for the respective region**

- Describe shortly the major needs:

**Describe shortly:**

On general level, increased penetration of gas-driven vehicles is primarily hampered by insufficient economic incentives (presently provided only in the form of reduced (till 2012 even zero-level) excise tax), close connection of price of gas to oil (with delayed reflection of actual prices of oil onto those of gas by several months), shorter distance ranges of gas-driven vehicles, and lack of sufficient filling points. In the regional context, these drawbacks may be overcome by use of biomethane - it may be priced independantly of fossil fuels, and be renewable fuel with even beter energy balance when produced from biowastes which are largely available even in metropolitan areas. These arguments may justify and offset above mentioned disadvantages. Therefore, biomethane will be promoted as the decisive factor for gas-driven vehicles preference in city of Prague.

**4. Identification of vehicle service stations and car dealers**

***Count and list shortly:***

Mercedes-Benz and IVECO (for HD vehicles especially), FIAT and OPEL (for passenger cars and LD vehicles), TEDOM, Irisbus/Karosa, and Ekobus (for buses)

**5. Identify decision makers and opinion leaders within the region**

***List shortly:***

As several times already mentioned, these include leading municipal representatives like Mr Radovan Stajner (member of city council responsible for transportation), and Mr Petr Stepanek (councillor for environment), Mr Roman and Kolinger (members of board of management of Prazske sluzby Inc.), Mr. Dvorak and Mr. Zamrazil (members of board of management of Dopravni podnik hl. m. Prahy Inc).

**6. What else is necessary to reach the planned gas vehicle expansion in your region?**

***Describe shortly:***

As the most substantial precondition is seen to find a common agreement that if gas-driven vehicles would be able to operate on biomethane, the environmental benefits would be maximized and, thus, such a solution should be given active political support and precedence.

**7. Any other general remarks/comments/information from your side?**

***Feel free to add what you think is important and might not fit into the above questions:***