

Feasibility or Case Study for gas supply expansion for South Bohemia, Czech Republic

Del. 4.3.12.1



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



Deliverable nr	D4.3.12.1
Dissemination level	Public
Partner name	SEVEn
Work Package	WP 4: Supply and distribution infrastructure for gas fuels
Country	Czech Republic
Region	South Bohemia
Are there existing filling stations and natural gas and biogas driven cars already in the region?	Yes (except for availability of biogas as motor fuel for transportation)
Status (F:Final, D:Draft)	F – September 30, 2009

Disclaimer:

The sole responsibility for the content of this 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.

Gas supplier

Company name:
Public/private:
Address:
Contact person:
Tel:
Fax :
E-mail:
Website:

Filling station construction company

Company name
Public/private:
Address:
Contact person:
Tel:
Fax:
E-mail:
Website:

Owner of new filling station

Company name:
Public/private:
Address:
Contact person:
Tel:
Fax:
E-mail:
Website:

Principal users of new filling station

Company name:
Public/private:
Address:
Contact person:
Tel:
Fax:
E-mail:
Website:

Other relevant partners (please copy this section as many times as is required)

Company name:
Public/private:
Address:
Contact person:
Tel:
Fax
E-mail:
Website:

A2.3 Describe new/proposed filling station:

NEW GAS FILLING STATION

- Name of filling station and address
- Type of location, eg. urban, motorway, industrial estate,
- Type of filling station eg stand-alone, within petrol/diesel filling station
- Number of fast filling points
- Number of slow filling points
- Number and make of compressors
- Storage pressure (bar) bar
- Storage capacity (water litres) water litres
- Ownership of station
- Method of financing station
- Main user of station
- Number of vehicle fills per week Kg or m³
- Total weekly supply of gas to vehicles Kg or m³
- Types of vehicles already using the filling station eg HGV, bus, van, taxi, car
- What proportion of the gas is biomethane %
- Name of gas supplier
- Price of gas to vehicle owner € per kg
- Price of gas to station owner € per kg
- Opening hours
- Method of payment, eg. credit card, special card, number plate recognition and account
- Profitable or not, with figures if possible

A2.4 What was MADEGASCAR’s major contribution to the Study

A2.5 Were there any incentives to help establish the new filling station?

A2.6 Barriers to establishing new gas filling station:

A2.7 How did MADEGASCAR help to overcome these barriers

A2.8 How did others help to overcome these barriers

B1.5 How was the Case study/Feasibility study selected. According to what criteria?

It was because of the fact the SEVEN had been already responsible for project design documentation preparation, so, next step leading to final project realization was natural.

B1.6 Would this Case Study/Feasibility Study have taken place without the input from Madagascar

Yes or No Yes

Please give details: (Was it planned before, was it started before, was it initiated by Madagascar, etc)

The project idea was firstly formulated in late 2006. During 2007 project desing phase took place - project documentation was worked out and, finally land use permitt awarded. In late 2007, decision to apply for investment grant was made. As part of the application, also the feasibility study had to be worked out - and it is its preparation that can be attributed to the national activities of the MADEGASCAR project (lowered the preparatory costs for the investor and improved the quality of the project).

B1.7 Did you carry out the Study for a particular company or as a marketing tool?

For a particular company - investor

B2. The Study

B2.2 List partners in your study

Owner of biogas plant

Company name: BIOPLYN Třeboň spol. s r.o.
 Address: Dukelská 134/I., 37901 Třeboň
 Contact person: Miroslav Kajan
 Tel: +420 333721211
 Fax:
 E-mail: aqua@trebon.cz
 Website:

Supplier of waste

Company name: local farmers
 Address:
 Contact person:
 Tel:
 Fax:
 E-mail:
 Website:

Plant construction company

Company name: MT-ENERGIE Česká republika s.r.o.
 Address: nám J. Hrubého 244, 378 21 Kardašova Řečice
 Contact person: ing. Ladislav Dobrovolný

Tel:	+420 384 385 790
Fax	
E-mail:	info@mt-energie.cz
Website:	http://cz.mt-energie.com/kontakt/va-e-kontakt-n-osoba.htm

Purchaser of biogas	
Company name:	none yet,
Address:	
Contact person:	
Tel:	
Fax	
E-mail:	
Website:	

Other relevant partners (please copy this section as many times as is required)	
Company name:	
Address:	
Contact person:	
Tel:	
Fax	
E-mail:	
Website:	

B2.3 Describe new biogas plant:

NEW Biogas PLANTS

Name of biogas plant and address	Bioplyn Trebon, Trebon (industrial park ca 2 km north of city), farm
Type of location, eg. farm, municipal, industrial estate,	
Make of biogas plant e.g.	MT-Energie
Principal feedstocks e.g. municipal waste, cattle slurry	maize and grass silage, pork slurry
Tonnes per annum of waste treated	22 000 tpa
Cubic metres of biogas produced	4 milion m ³ per annum
Proportion of biogas upgraded to biomethane	prospectively in the future 50%
Method of upgrading the biogas to biomethane	to be selected
Whether biomethane is fed into the gas grid	No
Name of gas filling station where biomethane is used	
Method by which biomethane	prospectively natural gas grid

reaches a gas filling station e.g. gas
grid, pipeline, trailer, etc
Price paid for gas to biogas plant € per m³
owner

B2.4 What was MADEGASCAR's major contribution to the Study

MADEGASCAR project partner took the role of working out the feasibility study which was used as one of the underlying documents of the application for an investment grant verifying technical as well economic viability of the project.

B2.5 Were there any incentives to help establish the new filling station?

B2.6 Barriers to establishing new gas filling station:

B2.7 How did MADEGASCAR help to overcome these barriers

B2.8 How did others help to overcome these barriers

B2.9 Was a new gas filling station built as a result of your Study

B2.10 Total capital cost of new filling station

B2.11 How long did it take to execute the Case Study/Feasibility Study

100 hours

B2.12 What is the current status (e.g. finished, work in progress)

finished, project realized

B2.13 When did the Case Study/Feasibility Study start

11/2007

B2.14 When did/will the Case Study/Feasibility Study end

2/2008

B2.15 How long did you spend working on this Case Study/Feasibility Study

100 hours

B2.16 How did this Case Study/Feasibility Study cost

100 hours

B2.17 General conclusions and recommendations

The feasibility study proved that the project is viable both from technical point of view and also economic, if investment grant were provided.

B2.18 Comments

More information about the project can be found in a short summary which is the attachment of the form.