

Feasibility or Case Study for gas supply expansion for PODRAVJE REGION and SLOVENIA

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Are there existing filling stations and natural gas and biogas driven cars already in the region?	NO
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Contact person: [Mag. Urban Odar, director](#)
Tel: [0038615889601](tel:0038615889601)
Fax : [0038615889609](tel:0038615889609)
E-mail: info@giz-dzp.si
Website: www.giz-dzp.si

Gas supplier
Company name: PETROL
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: PETROL
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

The idea of Madegascar was presented to all partners of the Association of Slovene gas supply companies – it is all together 16 companies that supply natural gas in Slovenia. After the presentation they were interested to start to use the natural gas as a vehicle fuels also in Slovenia. But there is no national regulation that would allow to start with the study for filling station. At the presentaion there were also two persons from the Ministry for economy which is responsible for natuarl gas supply regulations . They were also intersted in idea and they will try to make some steps forward also in new national energy programme that is planned to be changed soon. It will be then the bsis to start with technical and other regulations. In coopeartion with

Austrian colleagues we have presented them some technical and legal aspect for new filling station as it is in Austra. The biggest gas supplier in Slovenia – PETROL company was interested to build 10 filling station in the corridor through the Slovenia if there will be some initiatives – technical and financial support from the Slovene government.

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

NO

A2.6 Barriers to establishing new gas filling station:

No technical and legal regulation that would allow to build it and there are very high subsidies to use the biogas for electricity production.

A2.7 How did MADEGASCAR help to overcome these barriers

We have presented the best practice in the field from other EU countries. We are going to organize also the visit for Slovene gas suppliers to Austran filling stations and biogas plant in Leoben.

A2.8 How did others help to overcome these barriers

We are not able to overcome the barrier in legal and technical aspect on the national level. At the presentaion there were also the representatives from the Ministry of Slovenia for economy which is responsible for gas supply in Slovenia and they are goint to try to start the procedures together with the Nationa association of all Slovene gas supply companies to propose the regulatrion that would allow the use of natuarl gas and biogas in vehicel and also some iniciatives to use it.

A2.9 Was a new gas filling station built as a result of your Study

A2.10 Total capital cost of new filling station

A2.11 How long did it take to execute the Case Study/Feasibility Study

hours

A2.12 What is the current status (e.g. finished, work in progress)

A2.13 When did the Case Study/Feasibility Study start

A2.14 When did/will the Case Study/Feasibility Study end

A2.15 How long did you spend working on this Case Study/Feasibility Study

hours

A2.16 How did this Case Study/Feasibility Study cost

hours

A2.17 General conclusions and recommendations

Without a clear regulation at national level there is no possibility to make any study because to get the building permission in Slovenia to build the new filling station you have to have a lot of document and they have to be approved at national level.

A2.18 Comments

B. New biogas plants

B1. Case Study or Feasibility Study

B1.1. How many feasibility studies or case studies have you undertaken for new gas filling stations from 1 Sep 2007 to 20 Aug 2009

Number: 1

Number of case studies:
Number of feasibility studies: 1

B1.2 This is Case Study number Reporting date

B1.3 This is Feasibility Study number 1 Reporting date 20.08.09

B1.4 Title of this Case Study/Feasibility Study: [Upgrading a biogas](#)

B1.5 How was the Case study/Feasibility study selected. According to what criteria?
[It was the only study.](#)

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

NO

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

[Gas supplier from Jesenice was at the presentaion of the Madegascar project and after they wanted to make a initial idea study.](#)

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

[We have presented the idea and have given them some information and the Consulting company specialised for making the feasibility studies for biogas is making the study.](#)

B2. The Study

B2.2 List partners in your study

Owner of biogas plant

Company name: ENOS – Energetika d.o.o.
Address: Cesta železarjev 8, 4270 Jesenice, Slovenija
Contact person: Mr. Janez Pikon
Tel: 00386 4 584 1838
Fax: 00386 4 584 1890
E-mail: janez.pikon@plinstal.si
Website: www.enos.si

Supplier of waste

Company name: Municipality of Jesenice
Address: Cesta železarjev 6, 4270 Jesenice, Slovenia
Contact person:
Tel: 0038645869200
Fax: 0038645869270
E-mail:
Website: www.jesenice.si

Plant construction company

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

Purchaser of biogas

Company name:
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	Mestna deponija Jesenice, Mala Mežaklja, Jesenice
Type of location, eg. farm, municipal, industrial estate,	landfill, municipal
Make of biogas plant e.g.	
Principal feedstocks e.g. municipal waste, cattle slurry	municipal waste
Tonnes per annum of waste treated	tpa
Cubic metres of biogas produced	350-750Nm ³ per hour
Proportion of biogas upgraded to biomethane	100%
Method of upgrading the biogas to biomethane	removing H ₂ S, water, CO ₂ not necessary
Whether biomethane is fed into the gas grid	Yes
Name of gas filling station where biomethane is used	
Method by which biomethane reaches a gas filling station e.g. gas grid, pipeline, trailer, etc	
Price paid for gas to biogas plant owner	€ per m ³

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

After the presentation of the Madegascar they have seen the possibilities of upgrading the biogas and feed it into the grid.

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

No

B2.6 Barriers to establishing new gas filling station:

Legislative and technical regulation at the State – national level. There are also the incentives for using a biogas for electricity use and with that the economical studies are not in favour to use the biogas in vehicles.

B2.7 How did MADEGASCAR help to overcome these barriers

We have presented the best practice in the field from other EU countries. We are going to organize also the visit for Slovene gas suppliers to Austrian filling stations and biogas plant in Leoben.

B2.8 How did others help to overcome these barriers

We are not able to overcome the barrier in legal and technical aspect on the national level. At the presentation there were also the representatives from the Ministry of Slovenia for economy which is responsible for gas supply in Slovenia and they are going to try to start the procedures together with the national association of all Slovene gas supply companies

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

No

B2.10 Total capital cost of new filling station

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

30 hours

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

In progress

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

In April 2009

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

Partially in August
2009 , partially
still in progress

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

60 hours

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

2000 EUR

B2.17 General conclusions and recommendations

In Slovenia the bussines interest has started but due to the lack of legal and technical recomedationa and documents at sate – national level it is very difficult to strat with the building activities. At the moment in Slovenia there is no possibily to get the building permission for gas fillin station. The incentives are at the moment as such that the production of the electricity from biogas is economicaly 2-3 times more efficient. But at least the information has started to go around and peolpe are interested and also the connection to the national Ministry were established and ideas with the best practices examples were spread around.

B2.18 Comments