


Regional Study for gas supply expansion for Bourgas, Bulgaria

Del. 4.2.9



Intelligent Energy  Europe

MADEGASCAR 

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

Intelligent Energy  Europe

Deliverable nr	D4.2.9
Dissemination level	Public
Partner name	BoRAEM
Work Package	WP 4: Supply and distribution infrastructure for gas fuels
Country	Bulgaria
Region	Bourgas
Are there existing filling stations and natural gas and biogas driven cars already in the region?	Yes

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1. Expansion Plans for gas filling stations

1.1. Identify regional network or partners for new filling stations

- Remix BG is a company dedicated to building a chain of filling stations throughout the country. It owns a network of 34 CNG filling stations.
- AVTOMETAN OOD is also building filling stations in the region
- BULMARKET OOD offers supply of
- Bulgargas AD
- fuel sellers OMV, SHELL, Petrol
- BNVGA
- Overgas

1.2 Identify needs in your region

- The request for CNG filling stations is coming from the growing number of CNG vehicles, thus creating demand on the market for this fuel. For this - measures for stimulating the conversion of present vehicles or purchasing such originally produced with CNG engines, are needed.
- Public transport companies need to be pressed to convert or replace their vehicles to CNG ones.
- The municipalities having significant urban transport should be specifically reminded on the ecological benefits of CNG, and requested to work with the public transport companies for that.
- the general public needs to be specifically informed on the opportunities for reduction of the air pollution by introduction of CNG

1.3 Identify potential owners of new gas filling stations in your region

- Remix BG
- AVTOMETAN OOD
- public transport companies
- Overgas

1.4 Identify decision makers in your region

- Bourgas Regional Authority
- Varna Regional Authority
- Municipality of Bourgas
- Municipality of Varna
- Regional environmental inspectorates
- public transport companies

1.5 What else is necessary to reach the planned expansion of gas filling stations in your region

2. Expansion Plans for biogas plants

2.1. Identify regional network or partners for new biogas plants

Varna sewage treatment plant (existing installation is poorly managed)
 Major companies that are ready to provide the needed equipment are:

- SAM-SHUM Co OOD
- Bioenergy Ltd

2.2 Identify needs in your region

- producers of bulk quantities of organic waste need to be invited to reduce their ecological footprint by producing biogas from their waste.
- the two environmental inspectorates and the basin directorate need to be consulted on the opportunity that large biomass pollution can be prevented
- suppliers of equipment and gas filling stations should be presented to potential biogas plants owners - in a way to create confidence and sense of security for development of such.

2.3 Identify potential owners of new biogas plants in your region

Producers of large ammounts of biomas

- animal farms,
- farmers cooperatives,
- the sewage treatment plant Varna
- the sewage treatment plant Bourgas

2.4 Identify biogas plant decision makers in your region

- The regional environmental inspectorate Varna
- The regional environmental inspectorate Bourgas
- Regional service for advices in the agriculture Varna

2.5 What else is necessary to reach the planned expansion of biogas plants in your region

For the potential investors to reach a positive attitude towards building of biogas plants - there will be a need for providing a convincing set of evidences for a succesful market realisation of the product, on the one hand.
And on the other - pressure from the environmental authorities for reduction of the ecological problem from the organic waste producers.

3. Expansion Plans for plants for upgrading biogas to biomethane

3.1. Identify regional network or partners for upgrading

Two companies can supply such equipment in the region
- Sam Shum Co
- Bioenergy Ltd

3.2 Identify needs in your region

Needs will come together with building the biogas plants

3.3 Identify upgrading decision makers in your region

The future owners of biogas plants
CNG filling stations

3.5 What else is necessary expand the upgrading in your region

4. Other comments

