

## **DGE – Dr. Ing. Lothar Günther Engineering GmbH – Lutherstadt Wittenberg**

### **Press Release 05-07**

#### **on the cooperation of DGE - Dr. Günther Engineering GmbH, Lutherstadt Wittenberg with universities and colleges in the field of optimizing the biogas production.**

Renewable energies belong to the future. At present time the inadequate efficiency of biogas use in the energy industry is seen as problematic. With the future production of bio natural gas or bio methane, various possibilities for a more effective utilization of these produced methane qualities arise for energetic and material use.

Within the last few years, the DGE GmbH Company has developed a number of new technologies in the field of gas and environmental engineering, secured them by protected rights and, as pilot plants, built and put them into operation. One of these developments is the BCM<sup>®</sup>-method of the pressureless amine washing. With this method an excellent methane quality is produced at extremely low methane losses and a very high efficiency. Feeding the produced bio natural gas quality into the available natural gas grids is possible without problems.

In the context of research and development activities, the company DGE GmbH is keeping close contact with scientific facilities, like the University of Leipzig (since 2006 Dr.-Ing. Lothar Günther is member of the advisory board of the "Institute for Non-Classical Chemistry e. V." for the University of Leipzig) and the Anhalt University of Applied Sciences.

Since these cooperations have proved its worth so far, an agreement on another project between DGE GmbH and the Anhalt University (study group: energy biotechnology) have been signed recently. Both partners want to carry out common activities in the field of optimization of biogas production and the pilot testing of new methods in future. So there are enormous potentials for existing biogas plants. Therefore the objective of this cooperation is the development of new fermentation technologies for increasing the biogas output, says Dr.-Ing. Lothar Günther.

In future, DGE GmbH Company as well as the INNOGAS-network will attach even more importance to the development of their research activities. Therefore 6 master theses and 2 dissertations will be offered soon which analyze technologies for the production of biomethane from biogas. The best papers will be awarded.

Related to this topic an INNOGAS-Symposium takes place on 29th and 30th November 2007 in the Steigenberger Hotel in Dessau. With a reduced registration fee the organizers offer for employees and students of universities and colleges to use this international platform for establishing contacts with experts from science and practice.

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