

Press Release - 03/07

on the construction and handover of the first large-scale plant for biogas recycling to highly purified bio natural gas or biomethane according to the BCM[®]-method

DGE GmbH has protected rights and the know how for the recycling of biogas to bio natural gas or biomethane in highly purified qualities. With this technology such a gas quality which can unproblematically be fed into available natural gas grids, can economically be produced from biogas. With that a considerably higher energetic efficiency gets possible opposite to the present electricity generation of the biogases. Since October 2006, a prototype of this plant runs in the northern Lower Saxony and has proven its efficiency. The methane qualities are above 99%, the methane losses are less than 0.1%. Compared to other methods, there are considerable technical and economic advantages, DGE GmbH determines the state-of-the-art with its technology.

Companies from Saxony-Anhalt were involved in building the first large-scale plant for a processing capacity of 600 m³/h biogas according to the BCM[®]-method of pressureless amine washing, such as DSD Streicher Anlagenbau GmbH, Digtal GmbH Wittenberg and Leithmann Maschinen- und Apparatebau GmbH Wittenberg. Other companies from Central Germany are included in the production of large plants in future. There is a close cooperation with the Institute for Non-Classical Chemistry (INC) of the University of Leipzig and the Verbundnetz Gas AG Leipzig.

Up to a certain size, it is possible to manufacture such plant types in container design. Industrial plants with even bigger dimensioning are in the planning period.

In the context of a licence agreement, MT Energie GmbH in Rockstedt (Lower Saxony) has purchased corresponding rights by DGE GmbH for the construction and sale of this key technology and has received the licencing for the EU-area of and North America. The investor has already started with the construction of corresponding production capacities and his manpower potential will extend fundamentally. The laying of the foundation stone for the erection of

manufacturing facilities in Zeven was recently carried out in presence of the Prime Minister of Lower Saxony.

On 22nd August 2007 the first large-scale plant will be hand over to MT Energie GmbH Rockstedt, transported to Zeven by low-bed trailers and connected to a biogas complex there.

The demand for such plants is very high, there are a lot of advance orders from at home and abroad.

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