

Methane slip <1%
 Methane emissions acc. to TA-Luft
 Low energy consumption
 8,400 hours of operation per year
 German service

HAASE BiogasUpgrader

Refinement of
 1,130m³/h raw biogas
 to biomethane
 in Rathenow, Germany



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Certified acc. to
 DIN EN ISO 9001 : 2000

Project	Refinement of raw biogas to biomethane (bio natural gas) for the supply into the local natural gas grid of NBB, acc. to the requirements of the DVGW working sheet G 260 and the German TA-Luft Customer: Greengas Produktionsanlage Rathenow GmbH & Co. KG Year of construction: 2009
Procedure	HAASE BiogasUpgrader according to VP 265-1: Organic physical scrubbing at approx. 7 bar gauge pressure Continuous regeneration of the organic liquid detergent; Exhaust gas treatment acc. to German TA-Luft in a HAASE VocsiBox®
Capacity	1,130m ³ /h raw biogas Feed of approx. 4.7 million m ³ of biomethane per year Upgrading of methane content to min. 96 Vol-% (natural gas quality) Hydrogen sulphide <5 ppm Methane slip <1 Vol.-%
Operation	Grid supply since Juli 2009