

Biogas

facilities Retz
and Ziersdorf
3 x 500 kW_{el}

Renewable energy

Ingenieurbüro für Verfahrenstechnik

A-8042 Graz

Eisteichgasse 20/9, Stock/Tür 36

Tel. +43 / 316 / 38 10 38-0, Fax: -9

office@envicare.at

www.envicare.at

your reference:

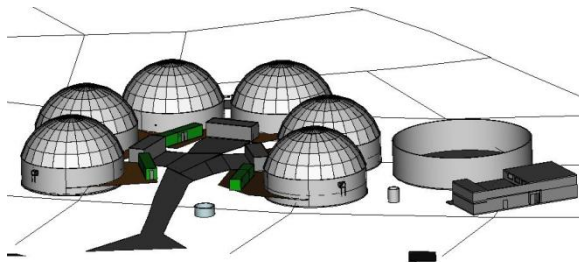
our reference: BM/Akq

File: EnviCare-Retz Ziersdorf-engl_2014-07-23.docx

Number of pages: 1

Graz, July 23, 2014

Biogas is generated when bacteria degrade biological material in the absence of oxygen, in a process known as anaerobic digestion. Biogas is rich in methane and therefore can be used to produce heat and/or electricity or gaseous fuel.



The landmark for quality and operational availability is located at the biogas plants Retz and Ziersdorf in lower Austria. These units were designed and started up by EnviCare® Engineering in 2008.



Inside the fermenter – gas storage and desulfurization

The biogas plants are built for an anaerobic digestion of roughly 36.000 tons of substrate (mainly silage of corn and grass, residues of sugar beets and manure) each year at each site.

Due to these substrates an electric power of 1.500 kW and a thermal power of appr. 1.800 kW are produced in three cogeneration units.



Pumping equipment



co-generation unit 1.500 kW_{el} with transformator

EnviCare® Engineering was responsible for authority and detail engineering, site supervision as well as for start up.

EnviCare® offers years of knowledge in development, design, installation and operational practice of environmental technology.

We take care of your environment!