

Selected References

BIOGAS

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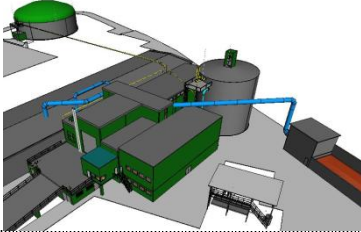
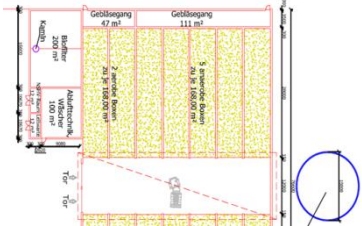
Graz, 10/23/2014


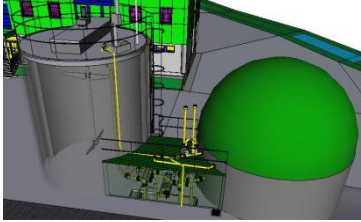
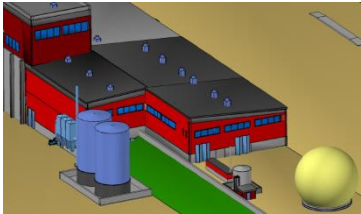
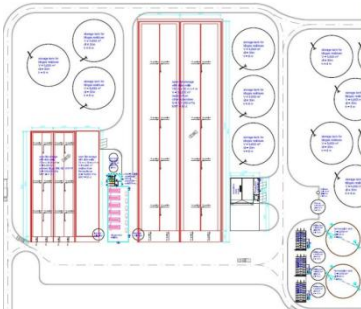
Biogas – Anaerobic Digestion

Plant	Scope of activity	year
COF ⁱ Knittelfeld, A 	Co-Fermentation at a communal waste water treatment plant <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision • Start-up • Management of public funding Waste processing capacity: 9.900 t/a electr. Power: 330 kW	2006 - 2010
COF Stadt Liezen, A 	Co-Fermentation at a communal waste water treatment plant <ul style="list-style-type: none"> • renewable energy from organic waste - feasibility Waste processing capacity: 2.000 t/a electr. Power: 30 kW	2009
COF Stadt Weiz, A 	Co-Fermentation at a communal waste water treatment plant <ul style="list-style-type: none"> • Optimization of energy consumption • renewable energy from organic waste - feasibility Waste processing capacity: 5.000 t/a electr. Power: 54 kW	2010 – 11
RBG ⁱⁱ Ebenthal, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 6.000 t/a electr. Power: 250 kW	2004

Plant	Scope of activity	year
RBG Echsenbach, A 	Anaerobic digestion of renewable energy crops and liquid manure <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 12.000 t/a electr. Power: 500 kW	2004
RBG Eggenburg, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision and training of operators • Start-up Processing capacity: 10.000 t/a electr. Power: 500 kW	2005-06
RBG Fetz, A 	Document on dangers of Explosive atmosphere (ATEX)	2010
RBG Fürstenfeld, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 10.000 t/a electr. Power: 500 kW	2004
RBG Göpfritz, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision and training of operators • Start-up Processing capacity: 10.000 t/a electr. Power: 500 kW	2005-06
RBG Hämmerle, A 	Document on dangers of Explosive atmosphere (ATEX)	2010
RBG Hofer, A 	Document on dangers of Explosive atmosphere (ATEX)	2010
RBG Krappfeld, A 	Anaerobic digestion of renewable energy crops and liquid manure <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 7.000 t/a electr. Power: 250 kW	2004
RBG Launsdorf, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 10.000 t/a electr. Power: 500 kW	2004

Plant	Scope of activity	year
RBG Möbling, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 5.000 t/a electr. Power: 250 kW	2004
RBG Pöchlarn, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • framework contract • Building supervision Processing capacity: 10.000 t/a electr. Power: 500 kW	2004
RBG Rauch, A	Document on dangers of Explosive atmosphere (ATEX)	2010
RBG Retz, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision and training of operators • Start-up and guarantee check • Processing capacity: 30.000 t/a electr. Power: 1.500 kW 	2006-07
RBG St. Veit/Glan, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic and authority engineering • Tendering • Building supervision Processing capacity: 20.000 t/a electr. Power: 1.000 kW	2002-05
RBG Waidhofen, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic and authority engineering Processing capacity: 10.000 t/a electr. Power: 500 kW	2010
RBG Ziersdorf, A 	Anaerobic digestion of renewable energy crops <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision and training of operators • Start-up and guarantee check Processing capacity: 30.000 t/a electr. Power: 1.500 kW	
RBG Horn, RBG Stockerau (2x), RBG Waidhofen, A	Biogas from renewable primary products (4 projects 500 kW): <ul style="list-style-type: none"> • Basic and authority engineering 	2004
RBG Wucher, A 	Document on dangers of Explosive atmosphere (ATEX) Authority engineering for a renewed operation permit	2010 2013

Plant	Scope of activity	year
WBG ⁱⁱⁱ Amstetten, A 	Anaerobic digestion of biowaste, kitchen slops and slaughterhouse waste <ul style="list-style-type: none"> • Feasibility study and consulting Processing capacity: 12.000 t/a electr. Power: 330 kW	2003
WBG Crnomelj, Slo 	Anaerobic digestion of separately collected food waste <ul style="list-style-type: none"> • Basic and detail engineering for hygienization unit • Consulting during start-up and operation Waste processing capacity: 25.000 t/a electr. Power: 1.400 kW	2010
WBG, Feldbach, Austria	Feasibility study for Biogas plant 250 kW from organic waste	2011
WBG Graz, A	Dry-Fermentation of bio waste <ul style="list-style-type: none"> • Feasibility study on pre-processing organic waste Waste processing capacity: 50.000 t/a electr. Power: 1.800 kW	2011
WBG Ilirska bistrica, Slo 	Anaerobic digestion of separately collected food waste <ul style="list-style-type: none"> • Evaluation of biogas project Ilirska bistrica Waste processing capacity: 27.000 t/a electr. Power: 1.000 kW	2008
WBG Judenburg, A	Biogas from biowaste (500 kW): <ul style="list-style-type: none"> • Feasibility study 	2001
WBG, Knittelfeld, A	Feasibility study for Biogas plant 500 kW from organic waste and agricultural residues	2009 cont.
WBG N.N., A 	Anaerobic digestion of separately collected organic waste, expansion from 10.000 to 20.000 t/a <ul style="list-style-type: none"> • Basic engineering • Authority engineering • Detailengineering Processing capacity: 20.000 t/a electr. Power: 1.200 kW	2010 – 2011
WBG Maribor, Slo 	Dry-Fermentation of organic fraction of municipal sewage waste <ul style="list-style-type: none"> • Feasibility study on implementation of an anaerobic MBT Waste processing capacity: 30.000 t/a electr. Power: 970 kW	2011

Plant	Scope of activity	year
 <p>WBG Kecskemét, H</p>	<p>Anaerobic digestion of manure, silage and spent straw from fungi production</p> <ul style="list-style-type: none"> • Basic engineering • Authority engineering <p>Processing capacity: 7.000 t/a electr. Power: 330 kW</p>	2006
 <p>WBG Voitsberg, A</p>	<p>Anaerobic digestion of separately collected food waste, liquid manure, energy crops and gras</p> <ul style="list-style-type: none"> • Basic, authority and detail engineering • Tendering • Building supervision and training of operators • Start-up and guarantee check <p>Processing capacity: 5.000 t/a electr. Power: 64 kW</p>	2011 - 2104
 <p>WBG Riihimäki, F</p>	<p>Anaerobic digestion of organic fraction of municipal sewage waste</p> <ul style="list-style-type: none"> • Basic engineering • Tendering <p>Processing capacity: 100.000 t_{MSW}/a electr. Power: 1.200 kW</p>	2011 - 2013
 <p>WBG KINEC Project, DK</p>	<p>Anaerobic digestion of industrial and municipal organic waste</p> <ul style="list-style-type: none"> • Feasibility study <p>Processing capacity: 264.000 t/a biomethane: 7.500.000 m³/a</p>	2012

ⁱ COF: Co-Fermentation – using organic waste to enhance biogas production in communal sludge digestion plants

ⁱⁱ RBG: biogas plant utilizing renewable energy crops and agricultural manure, no waste

ⁱⁱⁱ WBG: biogas plant using organic waste as main substrate