

References Cogeneration Plants

Project	Location	Fuel	Capacity	Engine	Heat utilization	Service UTEC	Customer	Year
Kampahalle Minden	LK Minden Nordrhein-Westf.	bio- methane	350 kW	not decided	heating and hot water	draft- and detail planning, bids for tender, supervision, commissioning	AML Immo	2008/ 2009
Hospital Bad Oeynhausen	LK Minden Nordrhein-Westf.	bio- methane	500 kW	not decided	heating and hot water	draft- and detail planning, bids for tender, supervision, commissioning	AML Immo	2008/ 2009
Town hall Minden	LK Minden Nordrhein-Westf.	bio- methane	ca. 250 kW	not decided	heating and hot water	draft- and detail planning, bids for tender, supervision, commissioning	AML Immo	2008/ 2009
Diakonie Lobetal	LK Celle Niedersachsen	natural gas	140 kW	Kuntschar&S. M.A.N. Gas-Otto	heating and hot water	draft- and detail planning, bids for tender, supervision, commissioning	Lobetalarbeit e.V. Celle Innere Mission	2008
Biogas Plant Negrete	Region VIII Chile	biogas	35 kW	TS Ruhland Belarus Gas-Otto	digester, district heating boarding school	concept, draft- and detail planning, bids for tender, supervision, commissioning	UTECH / Sequa	2008
Biogas Plant Schröder	LK OHZ Niedersachsen	biogas	365 kW	Sokrathern M.A.N. Gas-Otto	digester, district heating farm houses	concept, draft- and detail planning, bids for tender, supervision, commissioning	Schröder Biogas GbR	2008
Biogas Plant Banja Luka	Banja Luka Bosnien	biogas	43 kW	TS Ruhland Belarus Gas-Otto	digester, farm dairy and farm houses	concept, draft- and detail planning, bids for tender, supervision, commissioning	Caritas	2008

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Biogas Plant Liebenburg	LK Goslar Niedersachsen	biogas	537 kW	pro2 Deutz Gas-Otto	digester, district heating hospital	concept, draft- and detail planning, bids for tender, supervision, commissioning	Bioenergie Lewe GmbH	2007
Biogas Plant Hude	LK Diepholz Niedersachsen	biogas / palm oil	265 kW	Schnell Scania Diesel engine	digester, farm dairy and farm houses	concept, draft- and detail planning, bids for tender, supervision, commissioning	Jacob Biogas GbR	2007
Biogas Plant Rauschenberg	LK Marburg Hessen	biogas	500 kW	GE Jenbacher Jenbacher Gas-Otto	digester, district heating farm houses	concept, draft- and detail planning, bids for tender, supervision, commissioning	TRI-S GmbH & Co KG	2007
Biogas Plant Neetze	Neetze Niedersachsen	biogas	537 kW	Haase Deutz Gas-Otto	digester, biogas plant building	concept, draft- and detail planning, bids for tender, supervision, commissioning	e3 Bioenergie GmbH & Co KG	2007
Biogas Plant Staffel	LK Marburg Hessen	biogas / palm oil	265 kW	Schnell Scania Diesel engine	digester, district heating farm houses	concept, draft planning, consultatcy about connection with the electrical grid	Biogas Staffel GbR	2007
Aschendorf I Palm Oil Cogeneration Plant	Ostfriesland Niedersachsen	palm oil	240 kW	M.A.N. Diesel engine	greenhouse heating	permission planning	EWE AG	2007
Aschendorf II Palm Oil Cogeneration Plant	Ostfriesland Niedersachsen	palm oil	344 kW	M.A.N. Diesel engine	greenhouse heating	permission planning	EWE AG	2007
Wiesmoor Palm Oil Cogeneration Plant	Ostfriesland Niedersachsen	palm oil	317 kW	M.A.N. Diesel engine	greenhouse heating	permission planning	EWE AG	2007

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Wastewater Treatment Plant Rotenburg	LK Rotenburg Niedersachsen	biogas	52 kW	Sokratherm M.A.N. Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Rotenburg (W.)	2007
Wastewater Treatment Plant Bremen-Farge	Bremen-Nord	biogas	350 kW Gas-Otto	Sokratherm M.A.N. Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Hansewasser	2006
Biogas Plant Elm	LK Wolfenbüttel Niedersachsen	biogas	500 kW	Deutz Gas-Otto	digester, district heating hospital "Neuerkeroder Anstalten"	concept, draft- and detail planning, bids for tender, supervision, commissioning	Bioenergie Elm Betriebs GmmbH	2006
Biogas Plant Düversbruch	LK Diepholz Niedersachsen	biogas / palm oil	2 x 265 kW	Schnell Scania Diesel engine	digester industrial utilization	concept, draft- and detail planning, bids for tender, supervision, commissioning	Fangmeier Biogas GmbH & Co KG	2006
Wastewater Treatment Plant Delmenhorst	Delmenhorst Niedersachsen	biogas	500 kW	Deutz Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Delmenhorst	2005
Orphanage St. Petri	LK OHZ Niedersachsen	natural gas	18 kW	Kraftwerk Ford Gas-Otto	district heating, hot water	concept, draft- and detail planning, bids for tender, supervision, commissioning	St. Petri Kinder- u. Jugendhilfe e.V.	2005
Biogas Plant Grüne Energie	LK Rotenburg Niedersachsen	biogas	2 x 350 kW	SEVA Caterpillar Gas-Otto	digester, biogas plant building; fire wood drying	concept, draft- and detail planning, bids for tender, supervision, commissioning	Grüne Energie GmbH & Co KG	2005

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Biogas Plant Wüsthof	Soltau Niedersachsen	biogas	1.020 kW	Haase Deutz Gas-Otto	digester, district heating with farm- and industrial buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Wüsthof Biogas GmbH	2005
District Heating Soltau-Therme	City of Soltau Niedersachsen	natural gas	2 x 1400 kW	GE Jenbacher Jenbacher Gas-Otto	district heating	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Soltau	2004
Biogas Plant Humuswerk	Amt Neuhaus Niedersachsen	biogas	330 kW	GE Jenbacher Jenbacher Gas-Otto	biogas plant buildings, aquaculture	concept, draft- and detail planning, bids for tender, supervision, commissioning	Hanseatische Humus GmbH	2003
Biogas Plant Jakarta	Jakarta Indonesien	biogas	40 kW	Sokratherm Deutz Gas-Otto	slaughterhouse	concept, draft- and detail planning, bids for tender, supervision, commissioning	TÜV Rheinland	2003
Biogas Plant Wüsthof	Soltau Niedersachsen	biogas	1.020 kW	GE Jenbacher Jenbacher Gas-Otto	digester, district heating with farm- and industrial buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Wüsthof Biogas GmbH	2003
Biogas Plant Wüsthof	Soltau Niedersachsen	biogas	650 kW	Deutz Gas-Otto	digester, district heating with farm- and industrial buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Wüsthof Biogas GmbH	2002
Swimming Baths Rotenburg	LK Rotenburg Niedersachsen	natural gas	350 kW	M.A.N. Gas-Otto	swimming baths	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Rotenburg (W.)	1999

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Wastewater Treatment Plant Zeven	LK Rotenburg Niedersachsen	biogas	200 kW	M.W.M. Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Zeven	1999
Swimming Baths Ottersberg	LK Verden Niedersachsen	natural gas	2 x 110 kW	AN M.A.N. Gas-Otto	swimming baths	concept, draft- and detail planning, bids for tender, supervision, commissioning	Gemeindewerke Ottersberg	1997
Biogas Plant Wüsthof/Soltau	Stadt Soltau Niedersachsen	biogas	2 x 110 kW	AN M.A.N. Gas-Otto	digester, district heating with farm- and industrial buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Wüsthof Biogas GmbH	1997
Shipyards SSW	Bremerhaven	natural gas	3 x 108 kW	AN M.A.N. Gas-Otto	shipyards with boilers, 2,5 MWth	concept, draft- and detail planning, bids for tender, supervision, commissioning	Schichau- Seebeck-Werft	1997
Wastewater Treatment Plant Thedinghausen	LK Verden Niedersachsen	biogas	50 kW	Sokratherm M.A.N. Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Gemeinde Thedinghausen	1996
District Heating Barth	LK Barth Mecklbg.-Vorp.	natural gas	3 x 800 kW	MDE M.A.N. Gas-Otto	district heating city of Barth	concept, draft- and detail planning, bids for tender, supervision, commissioning	Stadtwerke Barth	1995
District Heating Auf den Häfen	Bremen	natural gas	50 kW	Sokratherm M.A.N. Gas-Otto	district heating with 40 business and private users	concept, draft- and detail planning, bids for tender, supervision, commissioning	Tandem GmbH	1995

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Wastewater Treatment Plant Bremen-Farge	Bremen-Nord	biogas	200 kW	Zeppelin Caterpillar Gas-Otto	digester, plant buildings	concept, draft- and detail planning, bids for tender, supervision, commissioning	Hansewasser	1995
Swimming Baths Ottersberg	Emmerich Nordrhein-Westf.	natural gas	2 x 495 kW	GE Jenbacher Jenbacher Gas-Otto	swimming baths	Sanierungs- und Optimierungsgutachten, Kostenschätzung, Vorplanung	Stadtwerke Emmerich	1995
Swimming Baths Vegesack	Bremen-Nord	natural gas	2x108 kW Gas-Otto	AN M.A.N. Gas-Otto	swimming baths	concept, draft- and detail planning, bids for tender, supervision, commissioning	GÖB Bremen	1994
Compact Shipyard MTW	Stadt Wismar Mecklbg.-Vorp.	natural gas	2 x 450 kW	GE Jenbacher Jenbacher Gas-Otto	district heating shipyard	Konzepterstellung, Kostenschätzung, Wirtschaftlichkeitsanalyse, Bauüberwachung	MTW	1993
Swimming Baths Bremervörde	LK Rotenburg Niedersachsen	natural gas	108 kW Gas-Otto	AN M.A.N. Gas-Otto	swimming baths	Konzept, Vor- und Detailplanung, Ausschreibung, Bauüberwachung, Inbetriebnahme	Stadtwerke Bremervörde	1992
Wastewater Treatment Plant Bremervörde	LK Rotenburg Niedersachsen	biogas	72 kW Gas-Otto	AN M.A.N. Gas-Otto	digester, plant buildings	Konzept, Vor- und Detailplanung, Ausschreibung, Bauüberwachung, Inbetriebnahme	Stadtwerke Bremervörde	1990
Wastewater Treatment Plant Bramsche	LK Bramsche Niedersachsen	biogas / natural gas	3 x 72 kW Gas-Otto	AN M.A.N. Gas-Otto	digester, plant buildings	Konzept, Vor- und Detailplanung, Ausschreibung, Bauüberwachung, Inbetriebnahme	Stadtwerke Bramsche	1990

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<i>Wastewater Treatment Plant Seehausen</i>	Bremen	biogas	3 x 800 kW 2 x 800 kW Druckluft	Deutz Gas-Otto	digester, plant buildings	Energiekonzept mit den Schwerpunkten Kraft-Wärme-Kopplung und Abwärmepotentiale	BEB Bremen	1990
<i>Wastewater Treatment Plant Bremen-Farge</i>	Bremen-Nord	biogas	2 x 120 kW	M.W.M. Gas-Otto	digester, plant buildings	Konzept, Vor- und Detailplanung, Ausschreibung, Bauüberwachung, Inbetriebnahme	BEB Bremen	1985