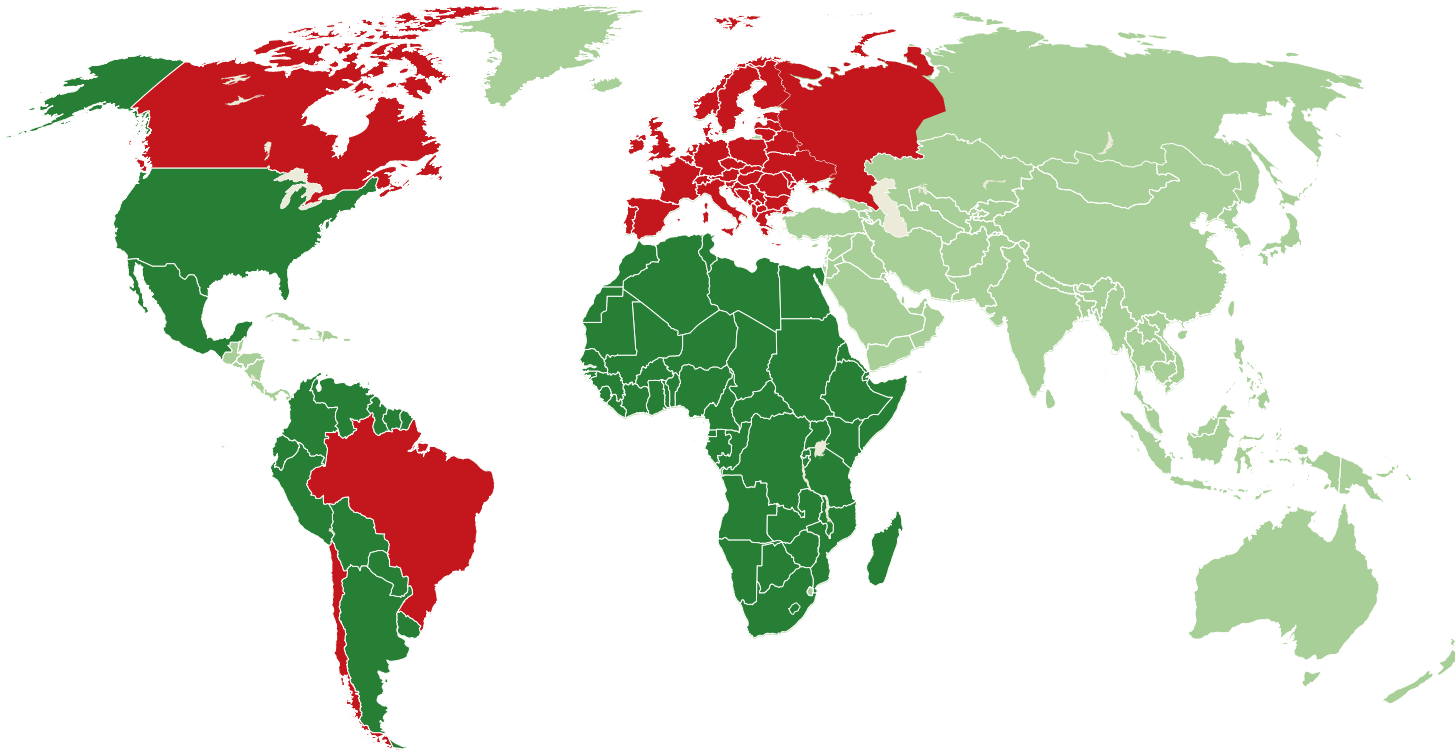


ABSTRACT OF OVER 70 REFERENCES

PROJECT	COUNTRY	PROVINCE	INPUT	OUTPUT
Biogas plant Bioenergie Drosendorf reg.Gen.m.b.H. I	Austria	Lower Austria	corn silage, rye silage, pig manure	500 kW _{el}
Biogas plant Bioenergie Drosendorf reg.Gen.m.b.H. II	Austria	Lower Austria	corn silage, pig manure	100 kW _{el}
Biogas plant ÖKOENERGIE Wallsee-Sindelburg reg.Gen.m.b.H.	Austria	Lower Austria	corn silage, clover, pig manure, chicken dung	500 kW _{el}
Biogas plant Bioenergie Gabersdorf	Austria	Styria	corn silage, sudan grass, greeneries, sun flowers	1.000 kW _{el}
Biogas plant Uidl	Austria	Styria	corn silage, pig manure	500 kW _{el}
Biogas plant Energievers. Prellenkirchen - Deutsch Haslau - Schönabrunn	Austria	Lower Austria	corn silage, sun flowers, greeneries, sudan grass, lucerne	500 kW _{el}
Biogas plant Japons	Austria	Lower Austria	corn silage, rye silage, manure	625 kW _{el}
Biogas filling station Japons	Austria	Lower Austria		220.000 m³/a
Biogas plant Hollern	Austria	Lower Austria	corn silage, rye silage	500 kW _{el}
Biogas plant Orth an der Donau I	Austria	Lower Austria	corn silage, sorghum, crop silage	1.131 kW _{el}
Biogas plant Stockerau	Austria	Lower Austria	rye silage, corn silage, lucerne	500 kW _{el}
Biogas plant Kainreith-Walkenstein	Austria	Lower Austria	rye silage, corn silage, lucerne, manure	500 kW _{el}
Biogas plant Elmira	Canada	Ontario	grease, flotate, food waste	2.700 kW _{el}
Biogas plant HBS Energia S.A. Chile	Chile	Los Angeles	corn silage, greeneries, cattle dung	1.000 kW _{el}
Biogas- and recycling plant Wiener Neustädter Stadtwerke und Kommunal Service GmbH	Austria	Lower Austria	organic waste, bio-waste container	900.000 m³/a CH4
Gas filling station Wiener Neustädter Stadtwerke und Kommunal Service GmbH	Austria	Lower Austria		450.000 kg/a
Expansion Biogas plant Retz	Austria	Lower Austria	corn silage, sugar beet shred	2.000 kW _{el}
Expansion Biogas plant Ziersdorf	Austria	Lower Austria	corn silage, sugar beet shred	2.000 kW _{el}
Biogas plant Carl Frook	Canada	Ontario	cattle waste, off farm materials	750 kW _{el}
Biogas plant Folhito	Brasil	Rio Grande do Sul	poultry bedding, fruit and vegetable waste, DAF, slaughterhouse waste	1.000 kW _{el}

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REFERENCES



BIOGAS PLANT AND BIOGAS FILLING STATION MARGARETHEN / MOOS

LOCATION

Enzersdorf a. d. Fischa, district Bruck an der Leitha, Lower Austria, Austria

OPERATOR

Energieversorgung Margarethen / Moos reg. Gen.m.b.H.
President: Mr. Friedrich Schwarz

SUBSTRATES

Corn silage, cereal silage, liquid manure

PLANT OUTPUT

Electrical: 625 kWel
Thermal: 950 kWth incl. biogas vessel
Biomethane: 50 Nm³/h (95 % CH4)
Energy self consumption: app. 5 %

ANNUAL ENERGY OUTPUT

Biogas: 2,6 Mil. Nm3/year
El. Current: 5,0 Mil. kWh/year
Heat : 7,6 Mil. kWh/year

ENERGY UTILIZATION

Feed-in of 5,0 Mio. kWh electrical current per year into the public grid of EVN. District heating grid supply for Margarethen am Moos throughout the whole year. Biomethane filling station for natural gas passenger cars.

BIOGAS PLANT SEACLIFF

LOCATION

Leamington, Ontario, Canada

OPERATOR

Seacliff Energy Inc.
President: Mr. Roger Tiessen & Mr. Dennis Dick

SUBSTRATES

Flotate, glycerin, vegetable waste, coffee waste, food leftovers, expired food waste

PLANT OUTPUT

1. Expansion stage	2. Expansion Stage
Electrical: 1.600 kWel	Electrical: 3.200 kWel
Thermal: 1.700 kWth	Thermal: 3.400 kWth
Energy self consumption: 6%	

ANNUAL ENERGY OUTPUT

Biogas:	6,5 Mil. Nm3/year	13,0 Mil. kWh/year
El. Current:	13,0 Mil. kWh/year	26,0 Mil. kWh/year
Heat :	14,0 Mil. kWh/year	28,0 Mil. kWh/year

ENERGY UTILIZATION

Feed-in of electrical current into the public grid. Heat supply for greenhouses.

BIOGAS PLANT IKRENY

LOCATION

Ikreny, near Győr, Hunagria

OPERATOR

Inicia Zrt.
President: Mr. Andrew Hunter

SUBSTRATES

Cattle dung, cattle manure, energy crops

PLANT OUTPUT

Electrical: 630 kWel
Thermal: 650 kWtherm
Energy self consumption: app. 4%

ANNUAL ENERGY OUTPUT

Biogas: 2,4 Mil. Nm3/year
El. Current: 5,0 Mil. kWh/year
Heat : 5,3 Mil. kWh/year

ENERGY UTILIZATION

Feed-in of electrical current into the public grid. Heat supply for a neighbouring potato factory.

