

Dry Anaerobic Digestion Plant Bennati

Plant Type: BIOFerm Dry AD, 910 kW_{el}

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References

Biogas plant to feed into the electrical grid and the local district heating network.

■ Project data:

Owner and operator:	Societa Agricola Aziende L. Bennati S.p.A, Italy
Plant engineering:	BIOFerm GmbH, Germany; ECOMASTER Atzwanger S.p.A., Italy
Location:	34075 San Canzian D'Isonzo , Via Molino Rondon 2 , Italy
Start of operation:	April 2010

■ Energy balance:

Feed-in capacity/a:	Approx. 7 million kWh/a electric and 8 million kWh/a thermal output; potential electric power requirement for approx. 1.800* households* as well as heat supply for approx. 450 households*. <small>*3-person household in Germany with 120m² living area incl. hot water generation.</small>
Energy efficiency:	High energy efficiency (approx. 85% efficiency) through the utilisation of heat in the local campus district heating network and electricity (feed-in the grid) all year round.
Feed-in:	Electrical grid and local district heating network.

■ Input material:

Manure and renewable greens.

■ Plant data:

Quantity	Plant component	Dimension/Capacity
11	Digesters	30 x 7 x 5 m
1	Percolate tank	250 m ³
3	CHP (2 x 360kW _{el} und 1 x 190kW _{el})	total 910 kW _{el}
1	Control room/meeting room	