

# Dry Anaerobic Digestion Plant Sogliano Ambiente

BIOFerm Dry AD plant; 1 MW<sub>el</sub>



References

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

## ■ Project data:

Owner and operator:	Sogliano Ambiente S.p.A.
Plant engineering:	Schmack Biogas GmbH , Schwandorf; ECOMASTER Atzwanger S.p.A.
Location:	Sogliano al Rubicone, Forli, Italy
Start of operation:	March 2013

## ■ Energy balance:

Feed-in capacity/a:	Approx. 8 million kWh/a electric and 9 million kWh/a thermal output; potential electric power requirement for approx. 2,000* households* as well as heat supply for approx. 500 households*. <small>*3-person household in Germany with 120m<sup>2</sup> living area incl. hot water generation.</small>
Energy efficiency:	High energy efficiency through the utilisation of heat in the local district heating network and electricity (feed-in the grid) all year round.
Feed-in:	Electrical grid and local district heating network.

## ■ Input material:

40,000 t Biowaste and municipal solid waste (0-80 mm fraction) per year.

## ■ Plant data:

Quantity	Plant component	Dimension/Capacity
1	Delivery hall with material processing	1,700 m <sup>2</sup>
3	Flat bunker	400 m <sup>3</sup> each
11	Digestor	30 x 7 x 5 m
2	Perkolate tank	500 m <sup>3</sup> each
8	Composting box	30 x 7 x 5 m each
8	Aeration area	30 x 7 m each
2	CHP (2 x 500 kW <sub>el</sub> )	1,000 kW <sub>el</sub> total
2	Biofilter	120,000m <sup>3</sup> /h each
1	Control-/ administration building	approx. 300 m <sup>2</sup>