

Bioenergiedorf Schlöben eG

07646 Schlöben, Germany



Awarded as
„bioenergy
village 2012“

1. Bioenergy
village of
Thuringia!

Operator
Operating company

Commissioning
2011

Inputs
Slurry, maize, manure

Technical Data

Digester (Ø 25 m; height 6 m; 2,945 m³) incl. wall and base heating, wooden roof, PlanET Flexstore XL (air supported roof)
Agitators: 1 PlanET eco[®] turbo, 1 PlanET eco[®] paddel, 1 PlanET eco[®] prop

Secondary digester (Ø 28 m; height 6 m; 3,694 m³) incl. wall and base heating, wooden roof, air supported roof
Agitators: 2 PlanET eco[®] turbo, 1 PlanET eco[®] prop

Digestate storage (Ø 28 m; height 6 m; 3,694 m³)
Agitators: 3 PlanET eco[®] turbo

CHP 3 x 265kW_{el}. Schnell pilot injection engines

Feeding technology PlanET Vario Multirotor 74 m³

Heat use

The gas utilisation of the biogas plant is naturally integrated into the overall concept of the bioenergy village. Two satellite CHP are powered by a 2 km long gas pipeline with biogas to supply 80 homes in Schlöben year-round with heat. In addition, a grain drying benefits from the plant's heat.



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