



Biogas plant in Bonyhád (Hungary)

Planning

Construction

Start-up

Operation

Service



← The dry matter of the substrate can be adjusted by a separator

→ Technical building



Fact sheet

Location:	Bonyhád / Hungary
Capacity:	625 kW_{el}
In operation since:	6/2010
Input materials:	cattle manure, maize silage
Features:	2 x 625 kW_{el} performance scalable

The biogas plant in Bonyhád (Hungary)

Being the owner of a successful dairy farm breeding Hungarian Simmental cattle, Pannonia Co, decided to solve the farms manure treatment and storage problems by implementing a biogas plant in 2006. The company received non-refundable subsidies for the project under the so-called „EMVA-program”. The biogas plant has been located next to the cattle farm, outside the City of Bonyhád.

EnviTec-Biogas SEE Ltd. started the construction works in September 2009. The plant has an electric output of 625 kW_{el}, which might be increased to 1,25 MW_{el} in the near future, as planned by the owner. The cattle farm supplies the manure and the dung, while the maize supply grows on Pannonia's surrounding land.

A receiving tank with 1.000 m³ capacity is used for the intermediate storage of the manure, a vertical mixer receives and conveys the dung, while maize silage is being dumped to a concrete hopper equipped by a walking floor. All the components are mixed in a mixing tank, installed in the technical building. At the center of the biogas plant there are two digesters, 4.500 m³ each. From these tanks flows the residue to a storage lagoon prior to be spread to the fields. The plant supplies heat for the farm heating as well as warm water for the buildings.