



The biogas plant in Medicina (Italy)

Planning

Construction

Start-up

Operation

Service



← The separation of the substrate in digestion is an advanced organic management technology.

→ The roof of the EnviTec plant is flexible, free-standing, gas-proof and extremely durable. It therefore guarantees stable process conditions. Maintenance of the agitators during operation is always possible using the inspection holes.



Fact sheet

Location:	Medicina / Italy
Capacity:	999 kW_{el}
In operation since:	12/2010
Input materials:	Silage made from sorghum, corn and triticale
Features:	A plant with advanced technologies, a dual organic digester and heat recovery

A plant with all the latest technological innovations from EnviTec

Società Agricola San Salvatore was founded with the purpose of diversifying the production activities. In addition to transforming available biomass into electrical energy amounting to some 8 million kWh per year, it also recovers heat from flue gases to allow heat to be transferred to other users, such as the farmhouse adjacent to the plant. The plant consists of two digesters with a size of around 2,570 cubic metres. It is supplied by around 18,000 tons of sorghum, corn and triticale silage per year. The loading pit is topped by a mobile steel cover to protect the silage storage.

It is a versatile and innovative biogas plant that offers superior efficiency, optimal performance and high economic profitability.. Like all EnviTec plants,

it has been awarded the CE mark, the EU's symbol of maximum guaranteed safety. It is equipped with a shredder for shredding all biomass at the input level. It also comes with a separator for controlling the dry matter in the digesters and a separator for storage of the single liquid phase.

The innovative "EnviTec Feedcontrol" system, awarded "Machine of the Year 2010", guarantees the uniform production of biogas through the precise updating of the feed intervals of bacteria in the digester. The feeding is regulated by measuring the Redox potential of the biomass being digested. The dual organic digester configuration with dual, interchangeable biomass feed and mixing technology is yet another innovative advantage of the plant.