



The biogas plant in Julčín (Czech Republic)

Planning

Implementation

Commissioning

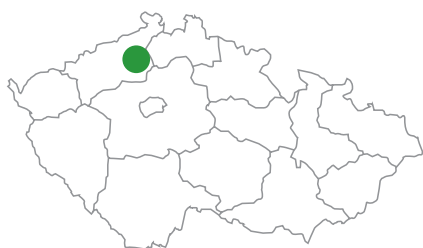
Operation

Service



← Special equipment for the treatment and dispensing of straw manure

→ Construction of the fermentation tank from prefabricated concrete parts



Fact sheet

Location:	Julčín / Czech Republic
Capacity:	945 kW_{el}
In operation since:	07/2009
Input materials:	Straw manure, maize silage, grass forage
Features:	The biogas plant technology includes special equipment for the dispensing and treatment of straw manure.

The biogas plant in Julčín (Czech Republic)

The biogas plant in Julčín has an electrical capacity of 945 kW_{el} and has been in operation since July 2009. All the electrical energy generated is supplied into the ČEZ distribution network. Thermal energy is not used at present.

The technology of the Julčín biogas plant is adapted to processing of input materials in the following ratio:

straw manure of cattle:	1,250 tonnes per year
maize silage:	17,052 tonnes per year
grass forage:	1,890 tonnes per year
technological water:	5,600 tonnes per year

The whole technology for processing of input materials before it is dispensed into the fermentation tanks and the cogeneration unit are situated in the technical building. The manure which consists of parts of straw and has a dry matter content of up to 35 % has to be processed first. The straw in the manure is broken up into smaller pieces of approx. 1 cm. Thus it is ensured that no large floating elements are in the tanks that would prevent gas from passing into the integrated gas receivers.

Apart from two fermenting units, also three new tanks produced by MST EnviTec for the storage of digestate for a period of 180 days were built in the area of the biogas plant.