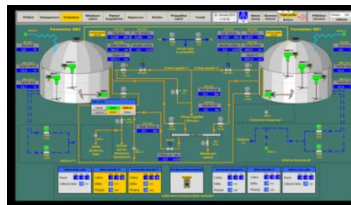


Biogas Plants

A biogas plant is a facility for processing bio-waste by way of anaerobic fermentation which yields biogas.

BPS Types

- agricultural
- waste



Benefits of a biogas station

- A stable source of income from the sale of electric power or heat as a solution to owner buildings, etc.
- A viable solution waste disposal products (droppings, liquid manure etc.) or production waste by-products
- Quality fertilizer

What about the smell?

We use a high quality and tested material for the construction of biogas stations. The roofing system is from the best manufacturers in Europe, such as SATTLER A.G. The smell of a biogas station is minimized when the required technological procedures are observed. It is a closed process.

We offer complete deliveries of agricultural BPS to our customers for crops grown for this particular purpose and stations for the disposal of biodegradable wastes.

GASCONTROL offers the following

- Complete “plug-and-go” delivery
- Delivery of the individual building objects
- Delivery of the individual technological facilities
- Repairs and service of all parts of the biogas station



Technology

Wet Fermentation – Material in tanks with solid content of up to 12%

Dry Fermentation – Material in tanks with solid content of 25 – 40%

The organic material decomposes without access to air which creates methane, with CO₂ as the by-product.

The cogeneration unit provides the production of electric power and heat. Electric power can be distributed into the network with a small amount of power and heat required for the operation of the unit. The remaining part may be used for other needs (heating, drying etc.).

If the cogeneration unit needs to be shut down, the biogas can be eliminated in the burner of the spare heat source (boiler) or by the flare boiler.

The biogas station is designed and delivered according to the customer's needs – on the basis of their budget, available quantity and type of material, and the installation area.



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