



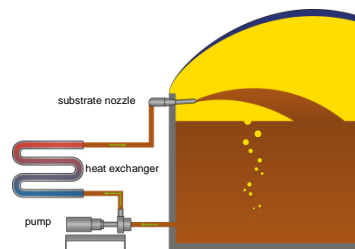
System of spraying – Proven and reliable



Innovative biogas plants from the Allgäu

Process

The heart of the ECOGAS process is SPS-controlled spraying of the liquid fermenter content (dry substrate max. 8 %). Thereby it is possible to spray accordingly depending on the substrate or to homogenize the fermenter content completely. By the possibility of a variable spraying intensity the fermentation process can be optimized accordingly.



Technology

The basic setting of the system consists of two vessels – one fermenter and one for the storage of fermented substrate. The plant is therefore extremely compact and clearly arranged. Furthermore, relating with the size of the plant additional vessels may be integrated. The vessels do not contain any technique. An equipment room with a substrate pump and a substrate heat exchanger is positioned between the vessels or constructed as container. The vessels are usually equipped with a double membrane cover.

The ECOGAS-method is suitable for both concrete vessels and steel vessels as well as for foil-lined ground basins (lagoons). It enables particularly efficient biogas production in a structurally and technically simple but worked out facility. This means a high degree of safety and economy for the biogas plant.

Examples: foil-lined ground basins (lagoons)



BGA Bahra
Power: 500 kWel.



BGA Reinsdorf
Power: 527 kWel.

Examples: concrete tank



BGA Wandlitz
Power: 75 kWel.

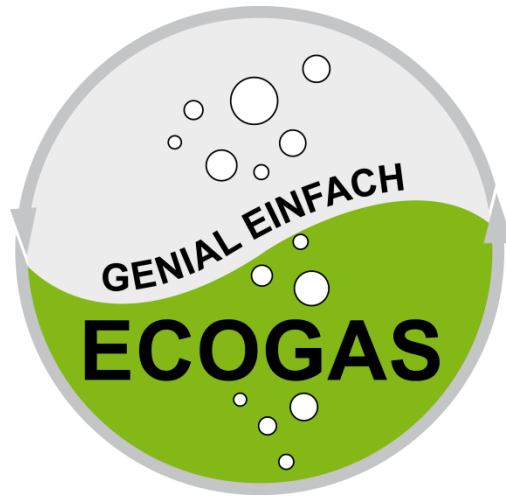


BGA Brück
Power: 250 - 450 kWel.



BGA Liebenau
Power: 527 kWel.

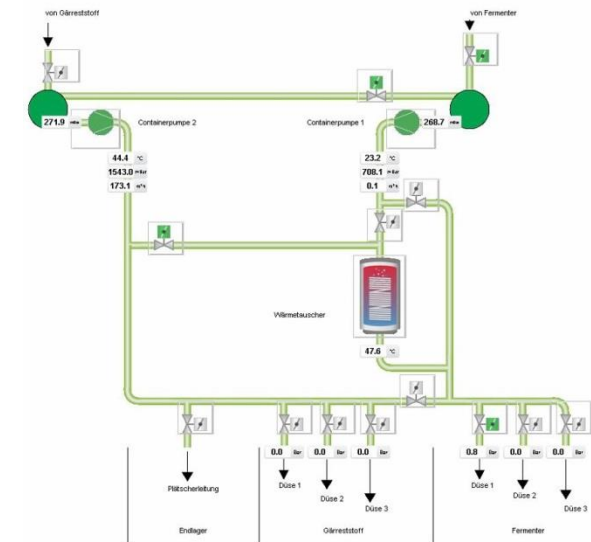




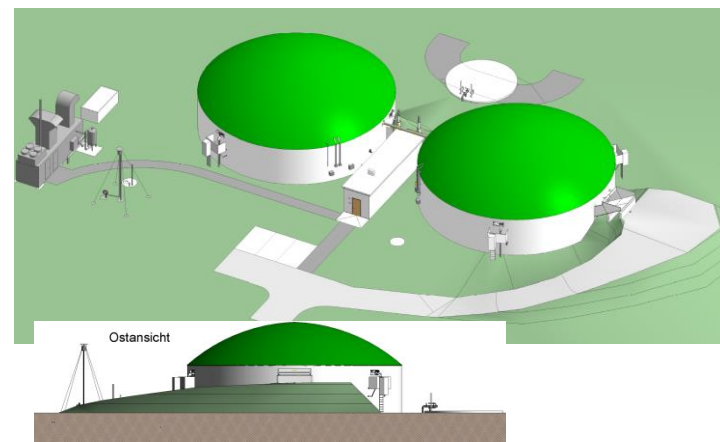
Services

- Planning and approval
- Construction of your biogas plant as part of a individual construction supervision
- Rendering of partial services
- Construction management
- Commissioning, handing over and maintenance
- System support for investors
- Financial consulting and capital procurement / Crowdfunding

Control pump room



Planning example



Ecogas GmbH
Hochstraße 8
88317 Aichstetten

Phone: 0049 7565 94028-0

Fax: 0049 7565 94028-29

Mail: info@ecogas-gmbh.de

Website: www.ecogas-gmbh.de

Benefits of the ECOGAS system

- Low maintenance and reparation costs as there is no technique installed
- Low system energy requirements about 5%
- Low operating costs
- Optimal system utilization (up to 98 %)
- Flexibility in substrate usage
- Critical materials, e.g. grass silage and solid manure can be used
- System independent of size
- Possibilities of extension of finished plants
- Double membrane cover
- Efficient biogas production