



Fit for Biogas

We are the feedstock advisers for your biogas plant!

How can I maximize full-load operation for my biogas plant? What biogas plant operator has not asked himself this question many times? Operators are familiar with the basic technical principles but the actual process biology is too much of a problem for nearly everyone. This is hardly surprising: microbiology is a study in itself and running the digestion process in an optimum and stable manner is no easy task. In fact, we offer the required expertise that Schmack, our technology partner, developed with the "Fit for Biogas" program. This was awarded the Environmental Innovation Prize from the Bavarian State Ministry for Economic Affairs in 2001.

The range of services

Fit for Biogas is a "biological maintenance contract" for your biogas plant. The range of services comprises two packages - the analysis themselves and the individual operational recommendations resulting from them are based on the prevailing technical conditions.

Initial consultancy service for laboratory customers

- The initial consultancy service is intended to provide you, the new customer, with detailed and enlightening information regarding the current status of the biological process within your biogas plant. Fundamental parameters are determined in our laboratory and specific process-technical characteristic values are compared and interpreted in order to come up with recommendations and suggestions for subsequent action.
- If you wish, we would be delighted to visit you in order to get to know your plant on site and to clarify individual questions directly.

Requirements for success

The decisive factors for the success of any biogas plant are:

- Consistent feedstocks
- Well engineered and constructed plant systems
- Controlled operation
- Regular process monitoring
- Reliable documentation

Competent consultancy service for the operator

- Practical interpretation of laboratory results and resulting concrete recommendations for subsequent action based on your individual biogas plant, e.g. producing an optimum plan for your plant
- Clarification of substrate-specific questions, e.g. the gas yield of a given / current substrate or its influence on process-technical characteristic values such as volumetric loading or hydraulic retention time.
- Suggestions and assistance in the event of substantial process problems (e.g. process inhibition, overfeeding etc.)

Evaluation of operating and laboratory data

- Continuous data acquisition and data evaluation through the regular analysis of samples and operational logs received
- Progress and quality of the digestion process
- Assessment of plant efficiency
- Recommendations to further optimize the plant

What are the benefits for you?

- Process problems are identified in a timely fashion
- The digestion process is stabilized
- The plant's capacity utilization is optimized
- Biogas production is increased

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