



Biological Process Support Package





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The anaerobic digestion process is like a living organism. The feeding of biomass, the mixing and the temperature are important parameters for successful operation of the biogas plant. Monitoring and responding to changes in the biological process is the key to achieving the highest level of efficiency, and the best return on investment for the plant owner.

At Xergi our specialists will help you choose an appropriate solution to optimize your biogas production. We do this by continuously monitoring your plant and the biological process through laboratory tests. This Biological Process Support Package can be provided to our customers as a stand-alone service, or in addition to a System Service Package.

With a Biological Process Support Package from Xergi the following services can be provided at a fixed price which is below our standard price list:

Hotline support 8.00–16.00 hours (office hours)

- Trouble shooting. Biological support & sparring as well as recommendation from Xergi know-how & competence based on plant data info.

2 x feeding plans pr. month

- Specifications of suggested feeding of digester. Recommendations, sparring and follow-up.

1 x monthly process evaluation & recommendation

- Monthly analysis and recommendations for optimized productivity.

1 x yearly biological support visit

- One day on site, board & lodging at cost.

5 x biomass methane potential test pr. year

- E.g in connection with changes in biomass or to confirm BMP in consumed biomass.

(If required services exceed the fixed level further services to be invoiced directly to client with a 15% discount on price list).

In addition to a Biological Process Support Package, Xergi can offer you the following analyses at a reduced price:

- **Biomass methane potential test (batch digestion):** Triplicate testing at one substrate level incl. TS, VS, & CH₄ analysis.
- **Dry matter:** Total Solids, Total solids + volatile solids (organic DM), COD, BOD
- **Nutrients:** Total nitrogen, total ammonium nitrogen, phosphorous+potassium (P+K)
- **Process indicators:** Volatile fatty acids profile (GC), pH-values, biogas quality CH₄ + ppm H₂S.



- excellence in biogas

Xergi A/S

Hermesvej 1
9530 Støvring
Denmark
Phone +45 99 35 16 00

Xergi Ltd.

823 Salisbury House
29 Finsbury Circus
London EC2M 5QQ
England
Phone +44 1483 600 098

Xergi SAS

Tour de l'Horloge
4 Place Louis Armand
75603 Paris Cedex 12
France
Phone +33 172 762 664

mail@xergi.com

www.xergi.com