



AEGLE
TECHNOLOGY SL



BioGas optimisation trial

A public offer to all Biogas producers

Optimise BioGas Production

BioGAS+ is a ready to use additive which increases the production of Biogas and the ratio of Methane (CH₄) to CO₂ without the danger of overdosing or harming the resident microbiota.

BioGAS+ contributes directly to the metabolism of microbes, with bioavailable minerals needed at each moment, for any microbe and for any feedstock:

- ▶ Reduction of the digestate fraction and higher waste degradation.
- ▶ Increased digestion process stability.
- ▶ Accelerated digestion means reduced retention time.
- ▶ Aids H₂S conversion to pyrite.
- ▶ Reduces the amount of foam produced.
- ▶ Increases value of the residual material as higher-quality fertilizer.
- ▶ Reduces aerobic digestion (AD) plant energy consumption.
- ▶ Minimises odours by reducing Hydrogen Sulphide and Ammonia.
- ▶ Aids conversion of phosphorus into ferric and ferrous phosphate.

Restores and rescues

- ▶ Disinfects pathogens and multi-resistant bacteria.
- ▶ Solution to inhibitory substances.
- ▶ Revives digesters with problems.

Improves biomass

- ▶ Increases the diversity of possible biomass feedstock (oil, fat, meat) as it has been proven very suitable for “difficult to digest” feedstock.
- ▶ More efficient use of biomass feedstock (low energy waste) due to the increased biogas/methane production.

Easy to Use

- ▶ Simple additive that can just be manually added onto the incoming feed.
- ▶ No pre-treatment of the feedstock or maintenance required.
- ▶ Works with any kind of anaerobic digester (large waste treatment reactor, a septic tank, or a homemade bio-digester etc.).
- ▶ Fully scalable to any size of biodigester

Proposal

Aegle Technology is now offering to partner with a limited number of Biogas producers (three) to undertake trials to demonstrate the effectiveness of BioGAS+ and to further optimise the dosage and composition of our product to better suit the specific Biomass(es) in use.

Aegle technology will provide:

- ▶ Samples of our BioGAS+ product free for initial trials (up to an agreed maximum amount depending on your requirements)
- ▶ Direct access to our team of scientific experts to support the calculation of suitable dosage and optimisation of the outcomes

Biogas producer will perform trials of BioGAS+ with their own equipment and provide:

- ▶ The infrastructure and resources required to undertake the trial
- ▶ Access to any data generated during the trial

Expected outcomes of the trial:

- ▶ Demonstration of the effectiveness of BioGAS+
- ▶ Optimisation of dosage (amount and frequency) and BioGAS+ composition

About Us

Aegle Technology SL is a European research, development and commercialisation company which specialises in innovative advanced material solutions. We are based in Barcelona, Spain, and work closely with both scientific experts and industry leaders to further technology innovation.

For more information

We look forward to hearing from you further and are happy to undertake a phone or video call to answer any questions and discuss further.

Christopher W. Young, CEO

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