



BIOIMPEC

Additives for the biogas industry



COMPANY BRIEF

Since 1999, BIOIMPEC has developed science-driven solutions for anaerobic digestion and wastewater treatment. Our mission: to improve biogas performance and yields worldwide. Our HQ include a state of the art research lab, a high volume production facility as well as our main offices. We are present in Argentina, Brazil, Chile, Uruguay, Ecuador, Peru, Colombia and Mexico. Currently expanding to North America and Europe.



Our additives cover the entire spectrum of biogas production

For **AD biogas plants** to develop and perform at **optimum levels**, a certain amount and variety of micronutrients (trace elements) is necessary, for the micro-organisms to grow and function efficiently at better ratios.

In most cases, anaerobic digesters and biogas facilities lack this vital micronutrients, meaning they do not work at optimum levels because of this limiting factor.

This can lead to several problems such as high VFA levels, poor COD removal, low microbial

growth and bacterial sludge production.

Our products and solutions neutralize most of this issues, significantly enhancing biogas output and plant performance in all stages of the process. We are committed to improving biogas yields in all plants receiving different kinds of substrates, including but not limited to:

- Animal manure
- Vinasse (thin stillage) / crop residues.
- Food and other organic waste.
- Wastewater effluents.



ADDITIVES FOR THE BIOGAS INDUSTRY

BIOIMPEC - sales@bioimpec.com - www.bioimpec.com



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Additives for the biogas industry



MICRONUTRIENT ADDITIVES FOR AD BIOGAS

- 100% BIOAVAILABILITY: CHELATED ESSENTIAL TRACE ELEMENTS
- IMPROVED BIOGAS YIELD & PLANT PERFORMANCE
- TAILOR MADE BLENDS BASED IN THOROUGH SCIENTIFIC ANALYSIS and TESTING
- EUROPEAN INDUSTRY STANDARDS.
- VERY COMPETITIVE COSTS

BIOIMPEC ADDITIVES improve several aspects of AD microbiology:

- Overall performance and plant stability.
- Lower VFA levels and FOS/TAC ratios.
- Improved COD removal and higher OLR.
- Improved biogas yields and plant output.
- Speed up plant startup.
- Enhanced response to plant shocks.



BIOGAS ADDITIVES: LIQUID / POWDER FORMULAS



METHANE PLUS®

Liquid blend of trace elements with all essential micronutrients for optimizing digester biology and biogas output. Up to 20% increase in biogas production.



ENERGY FLEX®

ENERGY FLEX is a tailor made liquid formulation based on a previous lab analysis of digestate of specific biogas plants. We carefully adjust dosage of trace elements for each case.



ENERGY VIN MAX®

Highly concentrated blend of trace elements specifically designed for substrates rich in vinasse (sugarcane/thin stillage) in a powder presentation.



NUTRI+ CH4®

Blend of iron, nickel, cobalt and molybdenum to cover nutritional deficiencies and desulphurize wastewater treatment facilities.