

Anaerobic Digestion Optimisation

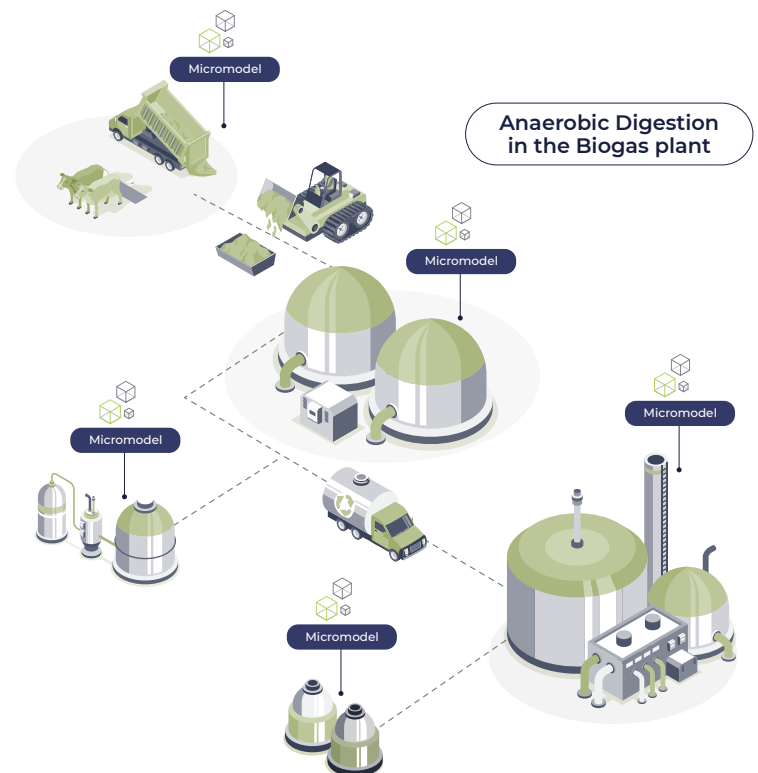
Optimise your anaerobic digestion plant with Entopy's AI platform

entopy

Turn data complexity into real-time control and up to 20% higher yield.

Running an anaerobic digestion (AD) plant is a daily balancing act. Feedstock quality fluctuates, sensors live in separate systems, equipment performance differs and by the time reports land on your desk, the opportunity to act has passed. **The result? Lost biogas, unexpected downtime, and regulatory headaches.**

Entopy gives you the live, predictive intelligence you need to stay ahead.



Challenges you face (and we solve)

- Inconsistent feedstock supply and quality
- Limited visibility into real-time plant performance
- Manual reporting and delayed decision-making
- Surprise downtime and expensive maintenance
- Unclear picture of net energy output and emissions

Benefits at a glance

Built for complex systems

Designed specifically for data-heavy operations like your AD plant.

Fast start

Go from onboarding to insight in weeks, not months.

Trusted & secure

Scalable architecture with data privacy at its core.

Reduce flaring

Spot imbalances early to prevent excess flaring and reduce emissions.

Maximise yield & gas-to-grid

Optimise digestion conditions using real-time data to extract more energy from every input.

Stronger supply chain

Track deliveries, forecast demand, analyse highest performing suppliers and prevent costly feedstock gaps.

Faster decisions

Access real-time insights in one place to make faster, smarter operational decisions.

Overcome data availability

Entropy uses synthetic data and ontologies to fill gaps, enabling insights even with limited data.

Why Entropy?

Real-time monitoring

See every sensor, system, and operational log in a single live dashboard. See what's happening across the plant – live.

Predictive energy yields

Our AI micromodels predict energy outputs such as CHP, Gas-to-grid and net biogas yield, so you can plan with confidence.

Process optimisation

Analyse feedstock inputs, digestion conditions, and biogas output to fine-tune operations for maximum yield and energy conversion.

Automated compliance & reporting

Generate environmental and regulatory reports in clicks, not hours.

Let's unlock more from your plant...

Ready to see what Entropy could do for you?

[Book a 15-minute demo.](#)



entropy
Contact us:
hello@entropy.com