

Reducing emissions from **digested sludge**

Bluemethane exists to eliminate methane emissions from waste streams, supporting water utilities in reducing emissions from post-digested sludge.

Manufactured in the UK, we're helping water companies **degas** and reuse biogas.

We **measure** | **degas** | **prevent**.



Reducing methane emissions
Safer sludge handling
Manufactured in the UK



bluemethanegas

The answer to **methane degassing** for UK water companies.

bluemethane.co.uk/degas

Methane capture from post digested sludge

Gas release from digested sludge causes real operational issues, especially during storage, dewatering and handling.

Left unmanaged, it leads to:

- Safety risks for people and the plant
- Poor dewatering performance
- Compliance pressure under the EU Industrial Emissions Directive
- Unnecessary carbon footprint in the face of net zero targets
- Wasted biogas for energy

Most sites don't need complex new processes. They need a reliable way to remove residual and entrained gas that works with what's already there.



bluemethanedegas

Our degas technology is contracted across six UK water companies and has been demonstrated in real-world environments since 2024..

The system removes dissolved and entrained methane at the source during:

- Digested sludge processing
- Sludge handling and dewatering
- High-strength industrial influent treatment

By dealing with the gas, **Bluemethane** helps reduce downstream emissions by removing all methane that is left behind in the digestate.

Our system integrates vacuum, agitation and cascading technology to deliver superior methane removal efficiency.

measure | degas | prevent

Tackling emissions from
post-digested sludge.



bluemethane.co.uk/degas

Delivery, scale and confidence

Bluemethane provides a practical sludge degassing system designed specifically for UK sludge operations.

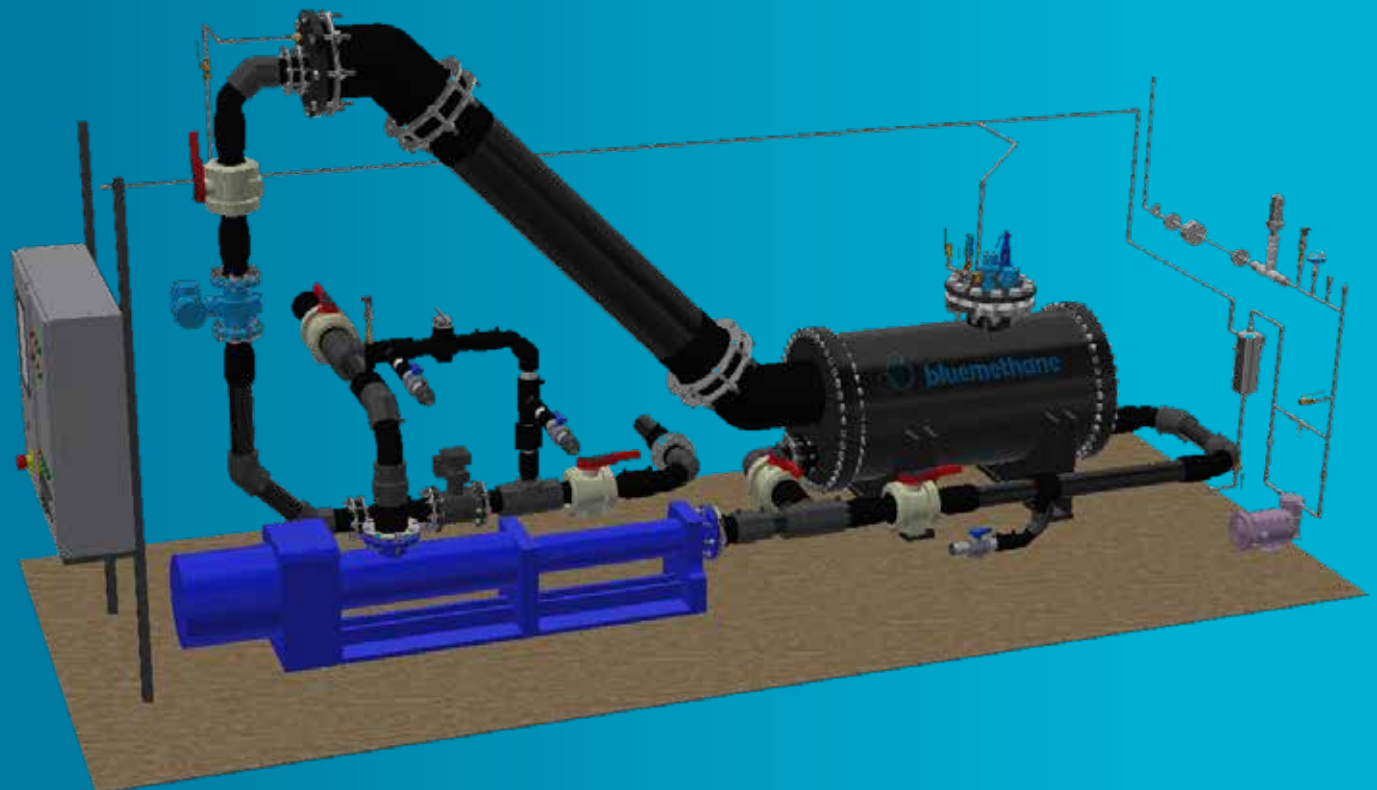
The result is reduced emissions, increase biogas recovery and safer operations.

The modular design allows units to be installed with minimal disruption and phased in over time, or delivered all in one go.

UK-assembled and supported by a strong domestic supply chain, **Bluemethanedegas** is WIMES compliant and certified to ATEX standards.

- ✓ Modular system with minimal installation disruption
- ✓ Suitable for phased roll-out
- ✓ Proven in live sludge treatment environments
- ✓ Designed specifically for UK water companies

- **Safer sludge handling** — Degassed sludge reduces risk during storage, transfer and dewatering.
- **More stable operations** — Improved dewaterability and fewer process interruptions.
- **Lower operational burden** — Fits into existing sludge lines without adding complexity.
- **Useful energy recovery** — Recovered gas is returned to the site for electricity generation or biomethane upgrading.
- **Meets net zero targets** — Lower carbon footprint.
- **Forms critical part of EU Industrial Emissions Directive solution**



Reducing methane. Proven in operation.

bluemethane.co.uk/degas

Install. Capture. Reuse.

Install: Rapid-fit, modular system.

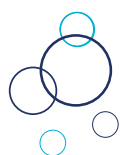
Capture: Recover significant additional biogas by capturing methane from post-digested sludge and residual streams.

Reuse: Transform captured methane into usable energy.

Technical snapshot

Parameter	Value
Liquid Processing Capacity	100–1000 m ³ /day
Biogas Output	Up to 288 m ³ /day
Flowrate	0–15 L/s
Methane Concentration	30–60% CH ₄
Operating Temperature	Up to 40°C
Power Requirement	<11 kW (UK 3-phase)
Container Size	20ft modular unit
Telemetry	SCADA integration, ISO 27001 compliant
Installation Time	Quick-fit, minimal site changes
Maintenance Frequency	Low, periodic checks
Material Specifications	Corrosion-resistant steel, industrial-grade seals

Unlock your methane opportunity.



bluemethane

Contact us today: info@bluemethane.com



Safer sludge handling

Lower methane emissions

A tried and trusted solution



bluemethane.co.uk/degas