

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 and supported by UK-based customer service, we help water companies safely **degas** and reuse biogas.

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



Reducing methane emissions
Safer sludge handling
Manufactured in the UK



bluemethanedegas

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

bluemethane.co.uk/degas

Methane capture from post-digested sludge

Residual methane in post-digested sludge creates avoidable emissions, making it challenging for water utilities to meet their emissions targets. It is also wasted 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

Bluemethanedegas is now operating in the UK and has been demonstrated in real-world water industry 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 recovering 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

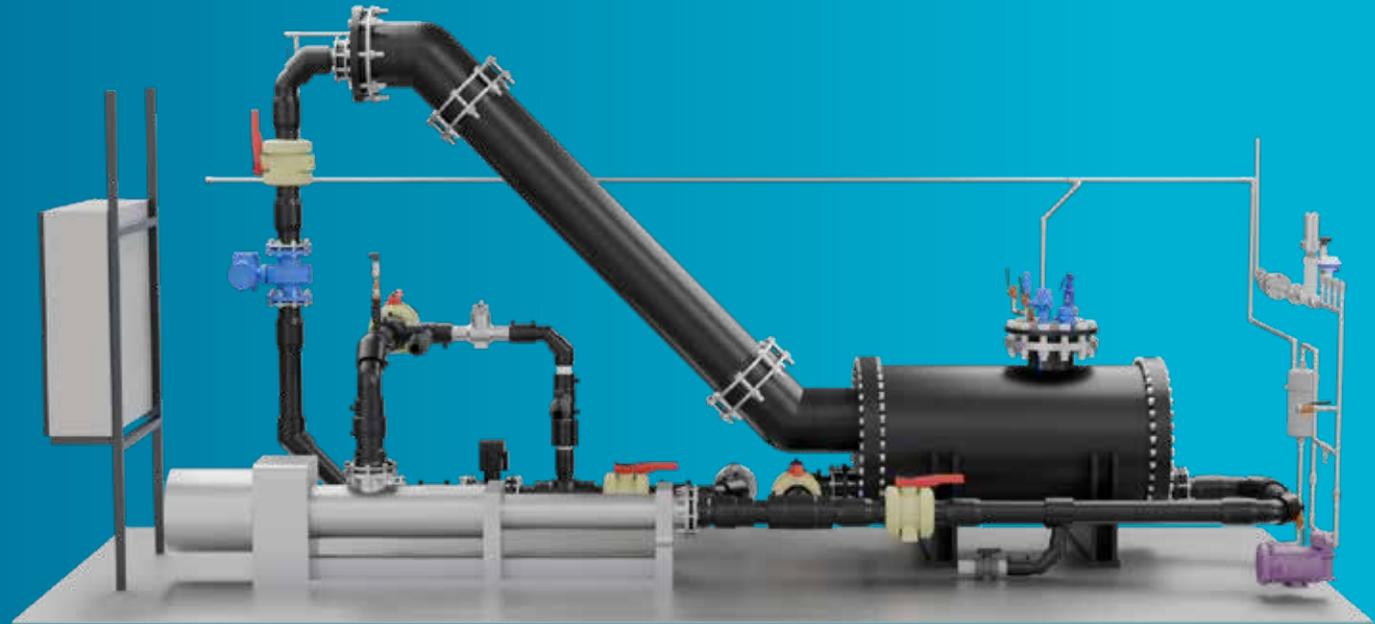
Delivery, scale and confidence

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, **Bluemethane degas** is WIMES compliant and certified to ATEX standards.



bluemethanegas

- ✓ Modular system with minimal installation disruption
- ✓ Suitable for phased roll-out
- ✓ Proven in live sludge treatment environments
- ✓ Designed specifically for UK water companies
- ✓ Using gravity, pressure change and turbulence. Removing the maximum methane with minimal energy and cost
- **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 bioenergy.



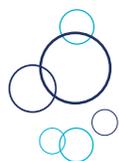
Safer sludge handling

Lower methane emissions

A tried and trusted solution

Technical snapshot

Parameter	Value
Liquid Processing Capacity	100–1,000 m ³ /day
Biogas Output	Up to 288 m ³ /day
Flowrate	0–15 m ³ /ph
Methane Concentration	30–60% CH ₄
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



bluemethane

Contact us today: info@bluemethane.com



Unlock your methane opportunity.

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