



A Complete Renewable Fuel Solution.

Unlock exciting new opportunities and diversify your revenue streams.

Launched in 2025, our CAPCH4® Biogas Upgrader unit is a retrofittable solution for AD plants which upgrades Biogas into fuel grade Biomethane.

With over 10 years of R&D investment, our unique patented technology has been designed to future-proof the profitability of farm operations in what is becoming a more uncertain world.

CAPCH4® brings a host of benefits such as boosting farm revenue, extending asset life, and delivering fast, efficient Biomethane production for a smarter, greener energy future.



Your Biomethane Solutions Partner.

Our specialist team is here to support you on your journey to net zero.

With extensive experience across agriculture, logistics, and anaerobic digestion, we provide tailored guidance to help you identify the most effective solutions and build a package that meets your specific operational needs.

Get in touch today...



Biogas In, Vehicle Fuel Out.



Bannamann's CAPCH4® Biogas Upgrader and Refueller is a complete end-to-end renewable fuel solution, combining biogas upgrading, storage, and efficient dispensing in a single integrated package. Our system gives you a seamless pathway from biogas to clean, renewable CNG fuel for vehicles or a replacement fuel for diesel/HVO in portable power equipment.

Get in touch:
enquiries@bennamann.com
www.bennamann.com
0800 009 2963

Find Us Online





Future proof your business for life after tariffs



Protect your bottom line, own your fuel supply chain



Transition to renewable fuel



Biogas Upgrader

Portable, skid mounted and all connections are flexible 'plug and play' to speed up installation

Dimensions

Total Area Required: 10m x 6m
Biogas Upgrader Open to Run:
L 5.25m x W 6.2m x T 2.42m

Weight:

3.1T and designed for forklift truck movement



How It Works

Inlet filtration to prevent moisture ingress and primary compression

Water cooled drying and filtration to remove contaminants

Membrane separation for selective removal of CO₂ and residual water vapour

Odourisation system for safety and leak detection

Final stage compression for storage and distribution



Biogas Input Requirements:

- Supply: 50 m³/hr of biogas
- Methane content: 55% CH₄

Output Performance:

- 140,000kg of Biomethane/yr
- Purity: 90-95% CH₄
- Pressure 250 Barg

*subject to meeting input requirements



Stuart Cole

Director Menchine Farm and UK BioGas

"We've cut our carbon emissions, become less reliant on fossil fuels, and we're future-proofing the farm."

For AD plant owners, turning biogas into Bio-CNG is the future—we need to lead this transition in agriculture, transport and beyond."

CAPCH4®

Transform your plant with Bennamann's CAPCH4® retrofittable upgrader to fuel CNG Vehicles and provide clean fuel for portable power systems.



Please visit our website to learn more about our latest developments and initiatives.