



Bennemann

CNH

M –Shed, Bristol City Centre

May 16th

Deep Dive: Manure and Methane – What should we do with it?





INNOVATED IN CORNWALL, UK

**A passionate
team of x87**

**Founder inspired to
eradicate fugitive
methane**

**Majority
investment by
CNH Industrial**

**Internationalisation
from 2025**

Our Purpose

To provide clean energy to
the hard-working farmers,
tirelessly transforming
agriculture for
generations to come.



What we solve

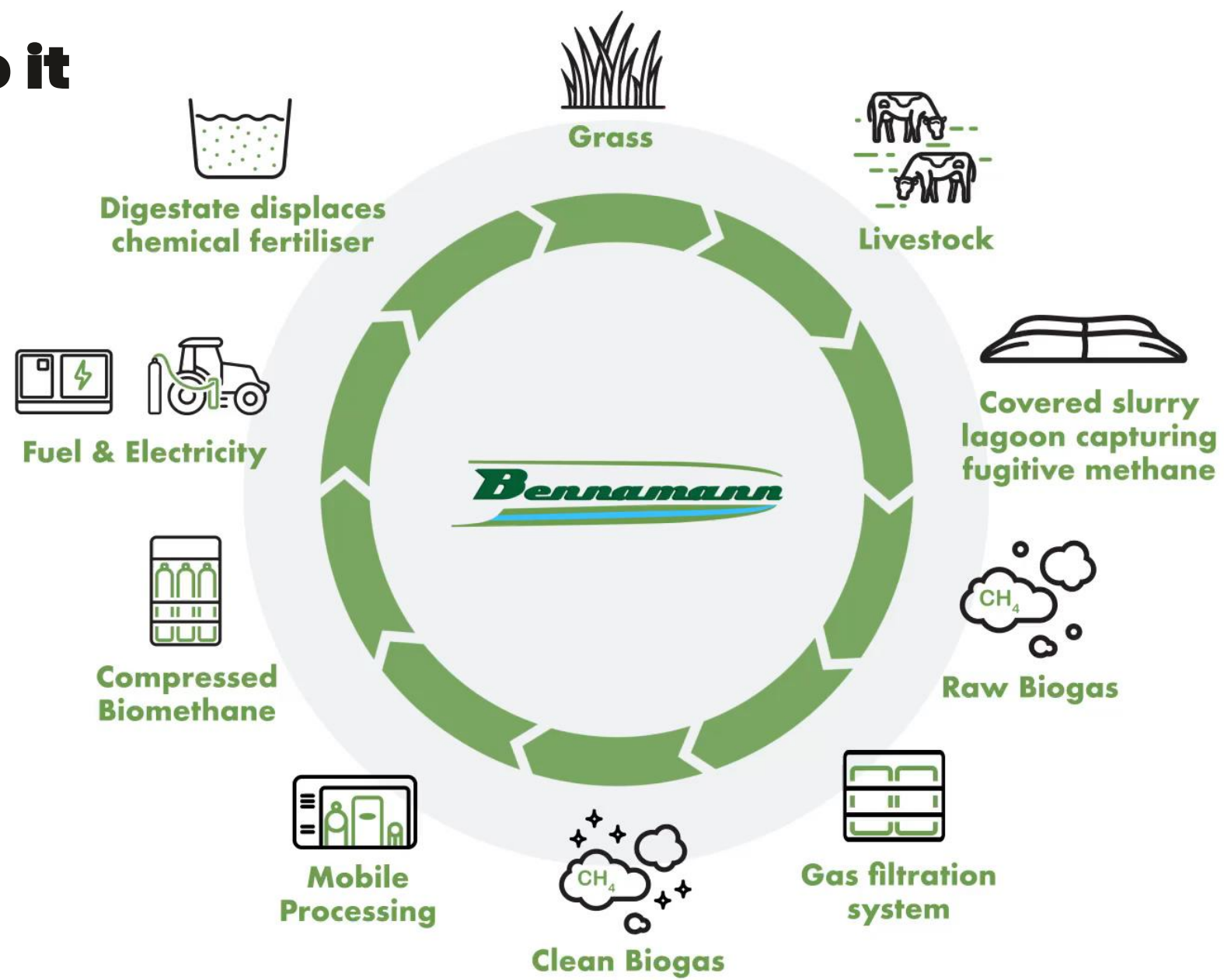


Farmers pushed to leave sector after costly
EA inspections



and need to avoid

How we do it



A success example: 4 major benefits for your farm

Example farm in Cornwall / 90 milking cows



Net Zero CO₂ emissions

734 tCO₂e

2021



-64 tCO₂e

2023



Operational costs saving & stability with -£47k per year

Electricity - Diesel offset - Fertilizer /spreading reduction



Soil regeneration

Improved Grass concentration and worm density



Carbon free milk to new standards

1,03 KgCO₂e per KG FPCM

2021



0,13 KgCO₂e per KG FPCM

2023

@Leckford farm





It all starts with The Smartcover*

***eligible in 2024 for
SIG fund £34 per m²**

And goes as far as fuelling a Tractor



Today – CFM as a Tractor Fuel

Quote: Kev Hoare, “Tractors earning its keep!”



The only fossil fuel this tractor has seen was at Basildon!

New Holland T6 Compressed Methane Tractor

- Front range extender quickly removable
- Front PTO and Front linkage re-instated

Our Solutions

Sustainably Innovating Climate Solutions For Agriculture



Small

- Regulation Compliance
- Fertilizer Savings



CAPCH4

Ammonia



Small / Med

- Energy Independence
- Infrastructure Savings
- Carbon Credit Revenue



CAPCH4POWER

Biogas



Med / Large

- Energy Independent
- Diversified Business Model Benefit £
- Tractor Ready Customer
- RTFC / Carbon Credit Revenue



CAPCH4GAS

Biomethane

AD

CAPCH4TM Smartcover

Sustainably Innovating Climate Solutions For Agriculture

Small



CAPCH4TM
Ammonia

- Rainwater exclusion
- Reduced spreading
- Fertilizer Savings improved NPK
- Ammonia Capture
- SIG Fund Eligible £34/m2
- SSAFO compliant & supporting EA requirements
- Soil regeneration

Small / Med



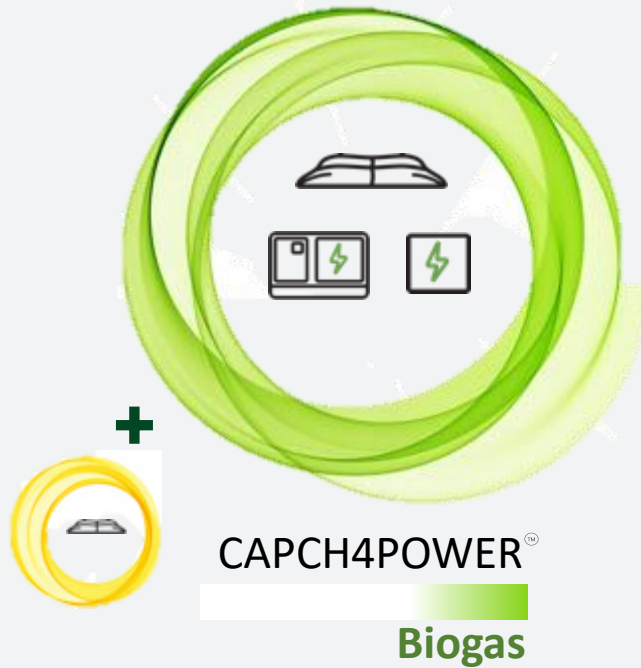
CAPCH4TM POWER
Biogas



CAPCH4TM Power

Sustainably Innovating Climate Solutions For Agriculture

 **Small / Med**



CAPCH4 Smartcover benefits



- Energy Independence
- Electricity Saving
- Carbon Credit Revenue
- Excess Electricity sold to grid
- SIG Fund Eligible (cover)

 **Med / Large**



CAPCH4GAS[®]

Biomethane

AD

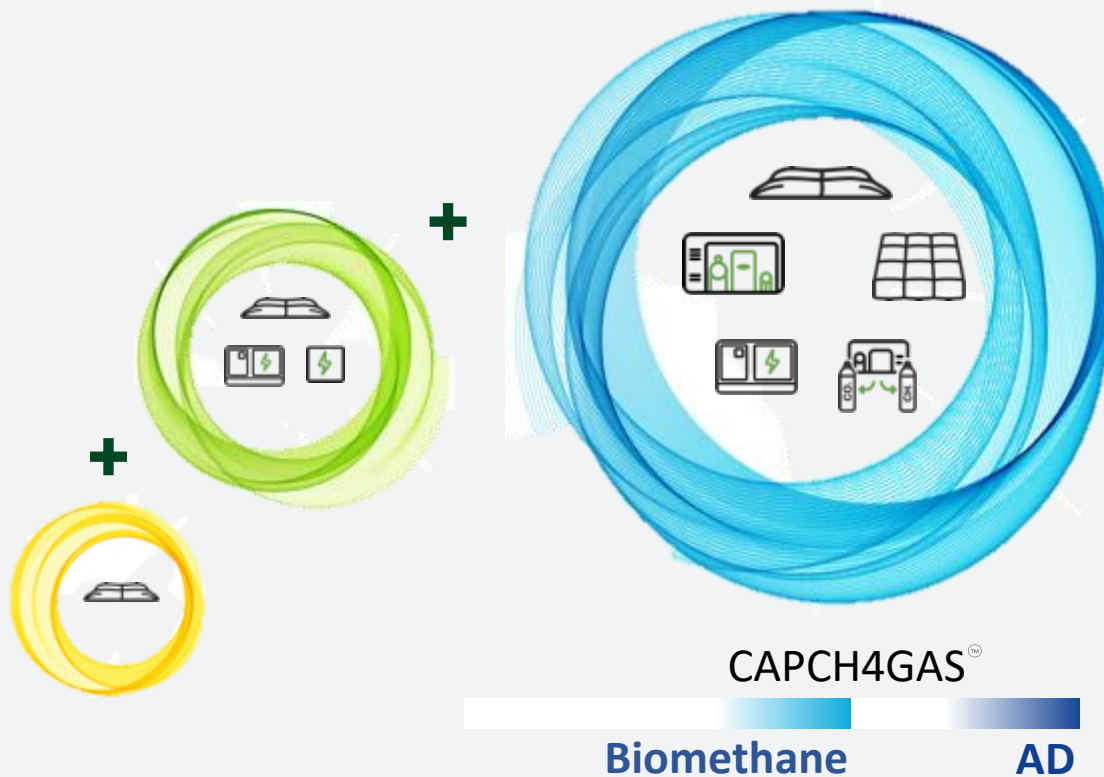


CAPCH4TM Gas

Sustainably Innovating Climate Solutions For Agriculture



Med / Large



CAPCH4 Power benefits



- Energy Independent in Fuel, Electricity, Heating
- Diversified Revenue
- Runs methane Tractor and vehicles
- RTFC / Carbon Credit Revenue
- SIG Fund Eligible (cover)



INDUSTRIALISATIONTM

ALL COMPONENTS OF THE SOLUTION HAVE NOW BEEN OUTSOURCED WITH SUPPLIERS THAT CAN SCALE



The GFS



BioCycle™



INDUSTRIALISATIONTM

ALL COMPONENTS OF THE SOLUTION HAVE NOW BEEN OUTSOURCED WITH SUPPLIERS THAT CAN SCALE



The Terrastore



The GenSet



The BioCycle



Livestock emissions are not a problem, they are a SOLUTION

