

## Combigas Reference List

<b>Project Number and Project Name</b>	Combigas Reference List
<b>Version</b>	2_0
<b>Date</b>	2025-04-01
<b>Initials</b>	KS/PMA



**DAFENG, CHINA**

**YEAR: 2025**

**CLIENT**

Jiangsu Bestop Environmental  
Technology Co., Ltd.

In process.

**COMBIGAS DELIVERY SCOPE**

Design and supervision

**CAPACITY**

Phase 1: Pig manure 55,000 tons/year, rice and wheat straw 27,500 tons/year.

Phase 2: Pig manure 20,000 tons/year, rice and wheat straw 27,500 tons/year, household waste 100,000 tons/year

**BIOGAS PRODUCTION (CH<sub>4</sub>)**

9,282,055 m<sup>3</sup>/year

**APPLIED/PROJECTED BIOMASSES**

Pig Manure  
Rice and wheat straw  
Household Waste



**DENKA FARM, PHILIPPINES**

**YEAR: 2025**

**CLIENT**

Chiu NiChi Agro Resources Phil

**COMBIGAS DELIVERY SCOPE**

- Design and supervision
- Pumps
- Mixers
- Gas membranes
- Instruments
- Valves
- SCADA control system
- CHP and gas cleaning systems
- Lagoon systems: 20.000m3

**CAPACITY**

40,000 ton/year

**BIOGAS PRODUCTION (CH<sub>4</sub>)**

425,000 m<sup>3</sup> /year

**APPLIED/PROJECTED BIOMASSES**

Pig Manure





## TIMOLEAQUE, IRELAND

**YEAR: 2019**

### CLIENT

Timoleague Agri  
Gen Limited

### COMBIGAS DELIVERY SCOPE

Intake tank  
Mix tank  
Primary Digester  
Secondary Digester

76 m<sup>3</sup>  
622 m<sup>3</sup>  
2164 m<sup>3</sup>  
4256 m<sup>3</sup>

### CAPACITY

25,900 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

1,039,240 m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig and chicken manure  
Slaughterhouse waste  
Dairy waste  
Sewage sludge  
Blood



## BIO ENERGIE DU LEON BEL, FRANCE

**YEAR: 2018**

### CLIENT

Hubert Simon

### COMBIGAS DELIVERY SCOPE

Mix tank	1200 m <sup>3</sup>
Primary digester 1	2576 m <sup>3</sup>
Primary digester 2	2576 m <sup>3</sup>
Post digester	4590 m <sup>3</sup>
Pumps	Lobe og Landia
Mixers	Landia
Gasholder membrane	DBDS
Instruments	Endress & Hauser
Valves	Fagerberg
SCADA	Holtec
Air compressor + absorption dryer	
Project management	Combigas
Construction consultancy	Combigas

### CAPACITY

163,765 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

4,790,459 m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig, chicken, cattle, turkey and horse manure  
 Articulated, cereal, washer and vegetable waste  
 Corn flakes  
 Silage  
 Various biomasses  
 Water

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilisation.

### INSTALLED CHP POWER

1500 KWe



## FS BIOENERGI, DENMARK

**YEAR: 2018**

### CLIENT

Karsten Sørensen

### COMBIGAS DELIVERY SCOPE

Consultancy services for the conversion of an older biogas plant  
Instrumentation





## LE MESNIL EN VALLEE, FRANCE

**YEAR: 2017**

### CLIENT

Gaec Rethore

### COMBIGAS DELIVERY SCOPE

Mixtank  
Primary digester  
Pumps  
Mixers  
Gasholder membrane  
Instruments  
Valves  
SCADA  
Air compressor + absorption dryer  
Project management  
Construction consultancy

### CAPACITY

17,550 tons/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

850,000 m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Cow dung/deep litter  
Maize silage  
Grass silage

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilisation.

### INSTALLED CHP POWER

250 KWe



## RØDKÆRSBRO, DENMARK

**YEAR: 2017**

### CLIENT

Sjoerd & Martine Ydema

### COMBIGAS DELIVERY SCOPE

Turnkey

### CAPACITY

45,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

2,75 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig slurry  
Cattle manure  
Cow dung/deep litter  
Straw barley  
Hay silage  
Maize Silage  
Glycerine

### BIOGAS UTILIZATION

Sale – Biogas sale to dairy for utilization of renewable energy in food processing.





## SDR. VIUM, DENMARK

**YEAR: 2017**

### CLIENT

Sdr. Vium Bioenergi

### COMBIGAS DELIVERY SCOPE

Turnkey + Q&M

### CAPACITY

70,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

7 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig slurry  
 Cattle manure  
 Cattle dung/deep litter  
 Mink manure  
 Hay silage  
 Grass silage  
 Maize silage  
 Soya molasses

### BIOGAS UTILIZATION

Upgrading – natural gas quality injected to gas grid  
 The gas is being upgraded at the biogas and upgrading plant in Hemmet, Denmark.

### OPERATION AND MAINTENANCE

The operation and maintenance agreement are carried out by Hemmet Bioenergi, who is providing labour and management of the plant. It includes daily operation, feedstock management, and feedstock procurement.



## RØDKJÆRSBRO, DENMARK

**YEAR: 2016**

### CLIENT

I/S Kuhr Hedegård

### COMBIGAS DELIVERY SCOPE

Turnkey

### CAPACITY

36,500 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

4,6 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Cattle manure  
Chicken dung  
Cattle dung/deep litter  
Straw barley (chopped)  
Grass silage  
Maize Silage  
Hay silage  
Chopped sugar beat  
Glycerine

### BIOGAS UTILIZATION

Sale – Biogas sale to dairy for utilization of renewable energy in food processing.



## TREGARON, WALES

**YEAR: 2016**

### CLIENT

W.H.J. Lloyd & Co

### COMBIGAS DELIVERY SCOPE

Underground tank  
Mix tank  
Primary digester  
Secondary digester  
Epoxy coating  
Pumps  
Mixers  
Instruments  
Valves  
SCADA  
Flare  
Gas Blower  
Air compressor + absorption dryer  
Drawings, operation manuals, etc.  
Project management  
Construction consultancy

### CAPACITY

11,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

680,000 m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Chicken dung/litter  
Cattle dung/deep litter  
Grass silage  
Fruit scraps

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization

### INSTALLED CHP POWER

200 KWe





## CARMARTHEN, WALES

**YEAR: 2016**

### CLIENT

S & A Davies &  
Daughters  
Limited

### COMBIGAS DELIVERY SCOPE

Underground tank  
Mix tank  
Primary digester  
Secondary digester  
Epoxy coating  
Pumps  
Mixers  
Instruments  
Valves  
SCADA  
Flare  
Gas blower  
Air compressor + absorption dryer  
Drawings, operation manuals, etc.  
Project management  
Construction consultancy

### CAPACITY

31,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

1,5 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Cattle slurry  
Cattle manure  
Straw barley

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

500 KWe



## WESTBURY, UK

**YEAR: 2016**

### CLIENT

Stokes Marsh AD Ltd.

### COMBIGAS DELIVERY SCOPE

Underground tank  
Mix tank  
Primary digester  
Secondary digester  
Pumps  
Mixers  
Instruments  
Valves  
Air compressor + absorption dryer  
Project management  
Construction consultancy

### CAPACITY

24,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

1,75 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Cattle manure  
Cattle dung/deep litter  
Straw barley (chopped)  
Grass silage  
Maize Silage  
Beet top

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

500 KWe



## BRETANY, FRANCE

**YEAR: 2016**

### CLIENT

Scea Thouly

### COMBIGAS DELIVERY SCOPE

Mix tank  
 Primary digester  
 Pumps  
 Mixers  
 Gasholder membrane  
 Instruments  
 Valves  
 SCADA  
 Air compressor + absorption dryer  
 Project management  
 Construction consultancy

### CAPACITY

5,300 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

350,000 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig slurry  
 Cattle dung/deep litter  
 Rye silage  
 Corn waste  
 Maize silage  
 Potato waste

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

110 KWe





## BRETANY, FRANCE

**YEAR: 2016**

### CLIENT

Gaec Ollivier

### COMBIGAS DELIVERY SCOPE

Mix tank  
 Primary digester  
 Pumps  
 Mixers  
 Gasholder membrane  
 Instruments  
 SCADA  
 Valves  
 Air compressor + absorption dryer  
 Project management  
 Construction consultancy

### CAPACITY

6,800 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

500,000 m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig slurry  
 Horse dung/deep litter  
 Wheat straw silage  
 Corn waste  
 Maize silage  
 Corn stalks

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

150 KWe



**MELTON MOWBRAY, UK**

**YEAR: 2016**

**CLIENT**

Green Generation Ltd.

**COMBIGAS DELIVERY SCOPE**

- Complete secondary digester
- Concrete blocks for silage clamp
- Gas flare
- Active carbon filter
- Valves



## JOHANNESBURG, SOUTH AFRICA

**YEAR: 2015**

### CLIENT

Bio2Watt

### COMBIGAS DELIVERY SCOPE

Turnkey

### CAPACITY

275,000 tonnes/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

7,700,000 m<sup>3</sup> CH<sub>4</sub>/year

### APPLIED/PROJECTED BIOMASSES

Cattle manure  
 Chicken abattoir waste  
 Yoghurt waste  
 Ice cream waste  
 Food sludge  
 Liquid fat trap waste  
 Fruit and vegetable waste  
 Waste Paper (pulp)

### BIOGAS UTILIZATION

CHP on site – power to BMW factory and heat for local utilization.

### INSTALLED CHP POWER

4 MWe





## KILDARE, IRELAND

**YEAR: 2015**

### CLIENT

Green Generation Ltd.

### COMBIGAS DELIVERY SCOPE

Turnkey

### CAPACITY

40,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

3,4 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

2 x Primary digester  
Pumps  
Mixers  
Instruments  
Gasholder membranes  
Heat exchangers  
Construction consultancy

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

1 MWe

## Expansions of existing biogas plants



**KROGENSKÆR, DENMARK**

**YEAR: 2015**

**CLIENT**

GFE Krogenskær

**COMBIGAS DELIVERY SCOPE**

Complete secondary digester

**MELTON MOWBRAY, UK**
**YEAR: 2014**
**CLIENT**

Green Generation Ltd.

**COMBIGAS DELIVERY SCOPE**

 Technical components:  
 Primary digester  
 Pumps  
 Mixers  
 Instruments  
 Construction consultancy

**CAPACITY**

36,000 tonne/year

**BIOGAS PRODUCTION (CH<sub>4</sub>)**

 2,8 million m<sup>3</sup>/year

**APPLIED/PROJECTED BIOMASSES**

 Pig slurry  
 Cattle slurry  
 Belly grass  
 DE lactose whey  
 Dough/pie waste  
 Dew valley  
 Green isle CAT 3  
 Greem isle DAF  
 Glanbia DAF

**BIOGAS UTILIZATION**

CHP on site – power to public grid and heat for local utilization.

**INSTALLED CHP POWER**

500 kWe



## HEMMET, DENMARK

**YEAR: 2012**

### CLIENT

Hemmet Bioenergi

### COMBIGAS DELIVERY SCOPE

Turnkey

### CAPACITY

73,000 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

4 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig slurry  
 Cattle manure  
 Cattle dung/deep litter  
 Mink manure  
 Poultry manure  
 Chopped wheat straw  
 Grass silage  
 Maize silage  
 Slaughterhouse waste  
 Fish waste  
 Glycerin

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

750 kWe

**YEAR: 2015**

Complete secondary tank and upgrading unit. The upgrading unit has a capacity of 16 million m<sup>3</sup> biogas per year and is currently processing biogas from 3 different plants, all of which are within a radius of 6 kilometers.





## MÜNCHENBERG, GERMANY

**YEAR: 2012**

### CLIENT

Belmont Farm

### COMBIGAS DELIVERY SCOPE

Primary digester  
Secondary digester  
Pumps  
Mixers  
Instruments  
Gasholder membrane  
Air compressor + absorption dryer  
Construction consultancy

### CAPACITY

36,400 tonne/year

### BIOGAS PRODUCTION (CH<sub>4</sub>)

1,7 million m<sup>3</sup>/year

### APPLIED/PROJECTED BIOMASSES

Pig Slurry  
Maize silage

### BIOGAS UTILIZATION

CHP on site – power to public grid and heat for local utilization.

### INSTALLED CHP POWER

500 kWe