

**Checklist**  
**for the calculation of profits and efficiency of a**  
**biogas plant**

In order to create a study of feasibility free of charge and without engagement we need the most important characteristics and technical data of your planned project. By means of this information our experts will prognosticate the biogas yield and will create an individual calculation of profitability.

This checklist serves as a basis for us in order to decide whether the construction of a biogas plant is economically reasonable for you.

Please fill in the checklist carefully and send it back to us via fax or post. We will contact you immediately in order to discuss the results.

Date \_\_\_\_\_

**Address**

Surname _____	Name _____
Street _____	Phone _____
P.C./City _____	Fax _____
County _____	_____
Cadastral number _____	_____

Would you like to erect a new biogas plant and

- operate it on your own or within an operator corporation  
 entitle a third party operating your biogas plant (rent model)

or  
would you like to

- expand an already existing biogas plant

## Contact data

How did you get to know about BioConstruct?

Internet	<input type="checkbox"/>	Speech	<input type="checkbox"/>	Visit of a plant	<input type="checkbox"/>
Magazine	<input type="checkbox"/>	Which magazine?	_____		
Exhibition	<input type="checkbox"/>	Which exhibition?	_____		
Others	<input type="checkbox"/>	_____			

## Market analysis

Country: \_\_\_\_\_

Purchase price for current: \_\_\_\_\_ €/ kWh

Purchase price for warmth: \_\_\_\_\_ €/ kWh

Feed-in remuneration:

up to 75 kWh	_____	€/ kWh
up to 150 kWh	_____	€/ kWh
up to 500 kWh	_____	€/ kWh
up to 5 MW	_____	€/ kWh
up to 20 MW	_____	€/ kWh

Duration of the legal feed-in remuneration: \_\_\_\_\_ years

Do you have CO<sub>2</sub> certificates?  yes  no

If yes, which value can be set? \_\_\_\_\_ €/ pieces or €/ kWh

Are there any governmental subsidies for the biogas plant?  yes  no

If yes, how high are they? \_\_\_\_\_ € or %

### Accumulated quantity of liquid and solid manure

Kind of animal	Quantity of animals	Type of feedstock [liquid or solid manure]	Total quantity [t per year]	dry matter [%]	organic dry matter [%]

### Location (stables and storage of manure)

Are the stables situated in the near (up to 50 m)?  yes  no

If no, how far away are they from each other? \_\_\_\_\_

How far is the distance between the stables and location of the biogas plant? \_\_\_\_\_ m

(If available, please attach the position plan! A3-copy is sufficient)

Which capacities are available for the manure storage?

Below the stable _____ m <sup>3</sup>	Manure tank <input type="checkbox"/> concrete <input type="checkbox"/> steel _____ m <sup>3</sup>
Pre-storage pit _____ m <sup>3</sup>	<input type="checkbox"/> concrete <input type="checkbox"/> steel _____ m <sup>3</sup>
	<input type="checkbox"/> concrete <input type="checkbox"/> steel _____ m <sup>3</sup>
	Others: _____ m <sup>3</sup>

Connection to the canalisation  is existing  is planned  not planned

Position of the planned location  plain  slope  steep slope

## Co-fermentation

A biogas plant produces much more gas if further feedstock, such as renewables, are used besides the liquid manure. Please indicate the corresponding farm land!

Total agricultural farm land \_\_\_\_\_ ha

Therefrom arable land \_\_\_\_\_ ha

Therefrom pasture land \_\_\_\_\_ ha

Therefrom unused and therefore adequate for the cultivation of renewables (e.g. corn) \_\_\_\_\_ ha

Crops that can be grown for the co-fermentation

Sort of crop (e.g. corn silage, grain silage, turnips etc.)	[ha]	yield [t pro ha]	Cultivation costs [€/ha or €/t]	dry matter [%]	organic dry matter [%]

Silage storage capacity:

existing \_\_\_\_\_ m<sup>2</sup>

free \_\_\_\_\_ m<sup>2</sup>

Additional co-fermentation material can be lopping, waste of cider mills, waste of food productions, other farms manure, fats or leftovers e.g..

Is this co-fermentation material available?

yes  no

Type of waste/ feedstock	Origin	Quantity [t per year]	Costs [€per t]	Remuneration [€per t]	dry matter [%]	organic dry matter [%]	Viscosity [pumpable?]

Is it possible to bring out further amounts of fertilizer on the existing fields?

no

yes, namely still: \_\_\_\_\_ kg nitrogen (N)

no

yes, namely still: \_\_\_\_\_ kg phosphorus (P<sub>2</sub>O<sub>5</sub>)

no

yes, namely still: \_\_\_\_\_ kg potassic (K<sub>2</sub>O)

## Energy utilisation

Are there any potential consumers of warmth in the near (up to 500 m), e.g. pig sties, houses, greenhouses, business enterprises)  yes  no

Warmth consumer	Previous source of warmth (e.g. heating oil, natural gas, liquid gas...)	Consumption [quantity kWh or ltr. per year]	Costs [€/kWh or €/ltr.]	Distance [m]	Remuneration for the delivered warmth [€/kWh]

Please send the completed checklist via fax or post to the following contact details. We will contact you immediately.



**BioConstruct GmbH  
Wellingstraße 54  
49328 MELLE  
GERMANY**

**Phone. +49 (5226) 5932-0  
Fax. +49 (5226) 5932-11**

**info@bioconstruct.de  
www.bioconstruct.de**