

# Checklist biogas plant



please send to:

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project information						
company / biogas plant:				phone:		
contact person:				mobile:		
adress:				fax:		
post code, city:				e-mail:		
country:						
information about the biogas plant						
commissioning date:			manufacturer:			
tank	pre tank	fermenter	post fermenter	digestate storage		
number of						
liquid content, m <sup>3</sup>						
heated?						
isolated?						
cover?						
gas storage, m <sup>3</sup>						
CHP	1	2	3	4	5	6
manufacturer						
power, kW						
el. efficiency, %						
ignition oil consumption, l/d						
heat use, %						
feeding - average values						
manufacturer						
solid substrates	1	2	3	4	5	6
name						
VSS, %						
amount, t/d						
max. available						
cost, €/t						
in which tank?						
pretreatment						
liquid substrates	1	2	3	4		
name						
VSS, %						
amount, m <sup>3</sup> /d						
in which tank?						
transport tool? (bump, elevator?)						

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digestate						
VSS, %						
amount, m <sup>3</sup> /d						
separation?						
from where to where?						
Additives (desulphurisation, micronutrients, enzymes and others)						
name		purpose			amount per day	
process ariables (so far as this is known)						
value	Dimension	pre tank	fermenter	post fermenter	storage	last storage
temperature	°C					
pH-value	-					
FOS/TAC	-					
VSS-value	%					
oVSS-value	% v. TS					
total N	mg/l					
ammonium - N	mg/l					
acetic acid	mg/l					
propionic acid	mg/l					
total acids	mg/l					
results						
value	dimension	target	actual	approved		
elctrical power	kW					
electricity generation	kWh/a					
maximum rated power	kW (auf 8760 h)					
gas production max.	MioNm <sup>3</sup> /a					
methane content in biogas	%					
externally used heat	kWh/a					
electricity demand	kWh/a					
heat demand	kWh/a					

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<b>special characteristics of the plant:</b>	

<b>Objective, what would be achieved:</b>	
<input type="checkbox"/> increase power -	target:
<input type="checkbox"/> saving substrates	which:
<input type="checkbox"/> changing substrates -	target:
<input type="checkbox"/> flexible plant operation	maximum quantity:
<input type="checkbox"/> transition to biomethan	CH4-Prod. in m <sup>3</sup> /h:
<input type="checkbox"/> others (please specify):	

<b>appendix:</b>	<input type="checkbox"/> location plan
	<input type="checkbox"/> flow chart (sketch)
	<input type="checkbox"/> operation log
	<input type="checkbox"/> excerpt from environmental report

I hereby agree to the processing of my personal data.

\_\_\_\_\_

location, date

\_\_\_\_\_

signature

We hereby commission an on-site inspection, design calculation and price calculation for the construction of the Turbomaische®.

A fee of €1,000.00 net will be charged for this. If a turbo mash is to be built this amount will be credited back to you.

\_\_\_\_\_

location, date

\_\_\_\_\_

signature