

Biogas separation questionnaire



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Biogas separation questionnaire



Biogas can come in several different forms. In order to assess the technical requirements of any one source, it is necessary to define the feed gas composition and the required product gas composition. This will help define the recoverable energy content of the biogas stream under consideration and also the optimum technology to employ. Arriving at reliable understanding and definition of such matters, both now and into the future, will underpin the viability of any investment.

The following questionnaire will provide the basic information to determine initial evaluation of a specific potential project. It would also form a sound basis for a more detailed appraisal.

Biogas separation questionnaire



Client Information

Date	Client ref	Organisation name
First name	Last name	Position title
Address		
Office phone	Mobile phone	Email
		Web site

Project data

Project title	Project country	Technology sector	Biogas source
Biogas flow rate	Units	Biogas pressure at inlet	Units
Biogas composition		Separated gas composition	
Methane (%)		Methane (%)	
Carbon dioxide (%)		Carbon dioxide (%)	
Oxygen (%)		Oxygen (%)	
Nitrogen (%)		Nitrogen (%)	
Hydrogen sulphide (ppm)		Hydrogen sulphide (ppm)	
Other (Please specify)		Other (Please specify)	
Delivery pressure of bio-methane		Recovery of CO2 required	
		Purity required	
Preferred separation technology		Objective of project	

Thank you for completing this questionnaire. For more information, please contact us via comms@organics.co.uk or visit our website www.organicsgroup.com

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Project data (cont'd)

Site storage required	Standards to be applied
Site storage capacity required (litres)	Daily variation in biogas production
BioCNG dispenser required	Max ambient temperature
No of BioCNG dispensing points required	Min ambient temperature
Composition and Quality standards	? Safety standards ?
Injection into the Gas Grid	? Transport and storage ?

Site data

Area available for separation facility	Properties of Site Soil Strata Data
Distance from biogas source	Clay
General Layout Sketches	Sand
Proposed Site Fenced	Soil survey available
Any Power Supply Limitations	Distance to Other Industrial Areas
Voltage Available (Phase to Phase)	Distance to Residential Areas
Mains Frequency	Is there an air emission standard
Telecommunications Available Nearby	Is there an odour limit
Fresh Water Available at Proposed Site	Is there a noise limit
	Known Building Restrictions

Operation

Client to operate	Organics to provide tech support
Third-party operator	Number of operation hours per day
Request Organics to operate	Number of operation days per year

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Planning and Permitting

Environmental Impact Assessment

Environment Agency Approval

Planning Permission

Land allocated

Power supply on site

Site plan available

Capacity of site supply (kVA)

Targeted project completion date

Access to site location

Commercial

Project commercial process

Budget

Are there any major issues yet to be resolved

Are there any other relevant factors