Conditions of participation

Registration is required in writing per fax or e-mail. After receiving your complete registration, we will send you the confirmation and bill by e-mail. Written cancellations are possible before June 21, 2015 for an administration charge of 150 Euro. After June 21, 2015 cancellations are billed in full. In case of cancellations even in case of illness we gladly accept a substitute participant. The number of participants is limited, therefor a timely registration is recommended.

The complete price for the biogas course is 1290 EUR. REA full members: 1050 EUR.

All prices plus 19 % VAT. If there's a VAT registration number of your company available and your country belongs to the EU, we won't have to charge VAT.

Included are

- seminar-CD
- beverages during the course
- lunch with beverages
- entrance fees to biogas site

Not included are

- travel to seminar and biogas site
- accommodation
- further meals and beverages

Registration	form	(please provide billing address)
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Biogas Training, July 6-8, 2015 - Dundee, UK

Family name		First name
Company/ Institution		
VAT RegNo. (only require	ed for European companies to issue invoices wi	thout VAT)
ZIP-code (City	Country
Street/No		
Fon		Fax
E-mail		www
Date	Signature	

Please send your registration

by Fax to:

or E-mail to:

+49 - (0)7954 - 926132

s.volk@biogas-zentrum.de

IBBK Fachgruppe Biogas GmbH * Am Feuersee 6 * 74592 Kirchberg * Germany







International Intensive Biogas Training - Practical Digester Biology -

At the Abertay University, Dundee, UK
July 6-8, 2015

For the first time the Renewable Energy Association (REA) and the International Biogas and Bioenergy Center of Competence (IBBK Fachgruppe Biogas) are delighted to welcome you for a 3-day long indepth Biogas Operators & Planners Course at the Abertay University in Dundee. The course will be delivered by biogas experts from Germany and UK with many years of practical experience in the biogas sector.



Who would benefit from the course?

- Biogas plant operators & staff; farmers planning to operate an ADfacility
- AD developers
- Central & local government officials engaged with AD
- Banks & investment houses, private investors
- Academic institutions

Preliminary programm				
Mond	Monday, 06 July 2015			
08:30	Registration			
	Welcome to the seminar Lecturers and attendees introduce themselves			
	Overview of the Biogas industry in Europe and UK and its future development			
10.30	Coffee break			
	New substrates and their pretreatment for future biogas plants Macro algae and their challenges Pyrolysis liquids from low quality biomass Pretreatment for the improvement of biogas yield			
12.30	Lunch			
	Fundamentals of biological process			
15.00	Coffee break			
	Choosing the right substrate and combining it for the optimal digestion input Substrate selection criteria Calculation of the gas yield according to energy content Substrate quality and level of contamination Off farm material from communal and industrial origin			
17.00 17.15	Discussion End of the day			

Tuesday, 07 July 2015	
9:00	Pretreatment and pre-storage technology
10:30	Coffee break
10:45	Start up phase & practical measures for monitoring the digestion process Initial phase: Heating-up and Feeding-start Testing parameters during operation

	 Practical devices for plant monitoring
12:30	Lunch
13:15	Process parameters Inhibitors in anaerobic processes Additives Process control
15:00	Coffee break
	Interactive group and laboratory session - Necessary laboratory tests & practical interpretation of operating modes using examples from practise Testing parameters during operation Practical devices for plant monitoring Record keeping
17.00 17.15	Discussion End of the day

Wednesday, 08 July 2015		
09:00	Practical experiences & lessons from operating a bio-waste and food waste plant	
10.30	Coffee break	
	 Measurement for process optimisation, stabilisation and enhancement of the biogas process Gas analysis related to the metabolic pathway Application area for gas analysis devices Application of further measured variables, controlling and supervisory control 	
	Questions and answers	
13:00	Lunch	
15.00	Biogas Plant visit	
~ 17.15	Return to Dundee End of the Seminar	