



# International Biogas Operating and Engineering Course

Stuttgart, Germany – April 24-28, 2017



## Course Information

This 5-day intensive biogas training is designed to provide plant operators, decision makers and investors with profound specific operating and engineering knowledge. The course will be conducted in **English**.



The focus of this training course is to combine practical experience with theoretical and scientific knowledge. IBBK Fachgruppe Biogas and the University of Hohenheim are the organisers and conductors of this thorough training course. This ensures that participants have the opportunity to get in touch with the senior experts of the German Biogas Industry and benefit from their substantial long term practical and theoretical experience.

## General program topics (Program is subject to change)

- Current situation and prospects in Germany and Europe
- Choosing the right substrates
- Cogeneration to heat and power
- Experiences with bio-/food waste plants
- Introduction into feasibility study
- Measurement and data recording for the enhancement of the biogas process
- Proper usage of digestate as organic fertilizer in agriculture
- Process control and optimisation
- Digester biology
- Safety features of biogas plants and equipment
- Biogas specific building materials
- Prospects of biogas utilisation
- Decision criteria for a biogas plant
- Introduction into plant technology
- Planning and designing of stirring and mixing technology for digesters
- Introduction into design, planning and process engineering
- Field trip to an agricultural biogas plant
- Interactive group and field session

## Terms and conditions

After receiving your signed registration, we will send you the confirmation and bill by e-mail. Registration is legally binding. **Written cancellations are possible until April 7<sup>th</sup>, 2017** for an administration charge of 250 € (plus 19% VAT). After **April 7<sup>th</sup>, 2017** cancellations are billed in full. In case of cancellations we gladly accept a substitute participant. Participants will be debited with incurred bank charges. If not enough participants register, the organizer reserves the right to cancel the training course. If the organizer cancels the training course, the full participation fee will be refunded, but no other costs which may have occurred can be claimed. Participants look after their own insurance requirements. The organizer is not liable to personal injuries, lost property or any other personal damage, which might have occurred in connection with any of our events.

## Course fee per person

The price for the operating and engineering course is **1390 Euro** (plus 19 % VAT).

### Included:

- Seminar CD
- Beverages during the course
- Lunch with one beverage per day
- Excursion and entrance fees

### Not included:

- Travel to and from Stuttgart
- Accommodation
- Further meals and beverages

*The Operating and Engineering Course can be booked together with the Int. Biogas Study Tour, which takes place in the following week, May 2<sup>nd</sup>-5<sup>th</sup> 2017. Special rate for booking both events: 2290 Euro (plus 19 % VAT)*

## Registration form – please provide billing address

Biogas Operating and Engineering Course, April 24-28, 2017

Family name

First name

Company / Institution

Street / No.

ZIP-code

City

Country

Tel.

Fax

E-mail

Website

Date

Signature

\* With my signature I agree: 1) that my email address will be published in the participants list (only available for participants, speakers and visited plant operators) and 2) that the photos, videos and audio recordings made during the course can be used to advertise upcoming events.

## Please send your registration

by Fax to:

**+49 - (0)7954-926204**

or E-mail to:

**t.gruzkos@biogas-zentrum.de**

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

# International Biogas Study Tour

## on various substrates and AD-plant concepts

Starting and ending in Stuttgart, Germany – May 2-5, 2017



### Tour information

IBBK Fachgruppe Biogas offers a 4-day study tour starting and ending in Stuttgart. The tour will lead you to several plant operators and biogas companies in Germany. There will be a total of 8 plant visits.



All participants will get in contact with planners and operators of biogas plants and component manufacturers. The group will also have the unique opportunity to visualize real-life plant designs by visiting facilities with new and ground-breaking concepts and technologies.

### The tour will cover the following topics: (program is subject to change)

- Visit of a 700 kW biogas plant with an upgrading unit that cleans and purifies the raw biogas into natural gas which is then sold at the gas station on site as CNG
- Visit of a biogas plant with gas upgrading and purifying; injection of around 650 m<sup>3</sup>/h into the local gas grid
- Tour through the facilities of a gas engine manufacturer in Austria
- Visit of a small biogas plant with food digestion on a farm; dinner and accommodation at the farm's hotel in Austria
- Tour through an agricultural biogas plant with turkey manure digestion originating from the farm's own livestock
- Visit of a dry fermentation biogas plant with composting unit

The Biogas Study Tour will be conducted in **English / German** and includes sightseeing and cultural aspects.

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### Study Tour fee per person

The complete package price for the study tour is **1340 Euro** (plus 19 % VAT).

#### Included:

- Tour documentation
- Travel by coach
- 3 standard accommodation (double rooms)
- Breakfast and one meal with one beverage per day
- Excursion and entrance fees

#### Not included:

- Travel to and from Stuttgart
- Further meals and beverages

**The Study Tour can be booked together with the International AD Course which will be held April 24-28, 2017. Special rate for booking both events: 2290 Euro (plus 19 % VAT)**

### Registration form – please provide billing address

Biogas Study Tour, May 2-5, 2017

please check:  double room →  female  single room  
→  male (extra charge: 120€ + 19 %VAT)

.....  
Family name First name  
.....  
Company / Institution  
.....  
VAT Reg.-No. (only required for European companies to issue invoices without VAT)  
.....  
Street / No  
.....  
ZIP-code City Country  
.....  
Tel. Fax  
.....  
E-mail Website  
.....  
Date Signature

\* With my signature I agree: 1) that my email address will be published in the participants list (only available for participants and visited plant operators) and 2) that the photos, videos and audio recordings made during the study tour can be used to advertise upcoming events.

### Please send your registration

by fax to: **+49 - (0)7954-926204** by email to: **t.gruzkos@biogas-zentrum.de**