



IBBK
BIOGAS

Internationales Biogas und Bioenergie Kompetenzzentrum
International Biogas and Bioenergy Center of Competence

List of References - Projects

Since 2001 the expertise of IBBK has been commissioned by scientific researchers, EU granted projects, municipal institutions and investors, as well as companies and individuals.

We provide independent expertise applying our 20+ years of insight and practical experience, supported by a worldwide network of specialists.

Enclosed a list of selected projects for which IBBK has provided its expertise, ranging from plant design to dissemination activities.

Client: **UNIDO**

Mandate: *Consultancy services related to strengthening technical capacities and project execution and project execution skills for the development of the biogas industry in the dairy sector in Chile*
IBBK is part of the project as concept development, organizer of the training and trainer. IBBK is also the project manager.

Location: Chile

Period: 11/2017 – Ongoing

Client: **GCS Water & Environmental Consultants**

Mandate: *Biogas Standard and Training Material (part of the UNIDO project: Promoting organic waste-to-energy and other low carbon technologies in small, medium and micro enterprises scale: Accelerating biogas market development in South Africa)*
IBBK is part of the UNIDO project as biogas energy systems expert, involved in the development of biogas standards and training standards.

Location: South Africa

Period: 09/2017 – Ongoing



NoAW and BiogasAction log

CEO: Michael Köttner
Amtsgericht Ulm - HRB 724524

contact@ibbk-biogas.de
www.ibbk-biogas.com
Phone: +49 (0) 7954 926 203
Fax: +49 (0) 7954 926 204

VAT: DE268792260
Tax Number: 57073/21766
Sparkasse Schwäbisch Hall-Crailsheim
BIC SOLADES1SHA
IBAN DE33 6225 0030 0001 8066 36



Client: **EU / H2020**

Mandate: *NoAW: No AgroWaste.*

The project aims to apply a circular economy approach to agricultural wastes on a territorial and seasonal scale. IBBK's role is to disseminate knowledge and technology transfer to farms, businesses and other end-users. IBBK is also the representative of Germany for: broadening the audience beyond the project consortium, analyzing the spatial and territorial Southern Germany, review existing business concepts and develop a set of collective and individual new business and marketing strategies.

Website: www.noaw2020.eu

Location: Europe, China and Taiwan

Period: 10/2016 – Ongoing

Client: **EU / H2020**

Mandate: *BiogasAction: Promotion of sustainable biogas production in the EU.*

The project aims to serve as vehicle for the development of the European biogas sector and thereby contribute to the EU 2020 targets by focusing on removing non-technical barriers to widespread production of biogas/bio-methane from manure and other waste.

Website: www.biogasaction.eu

Location: Europe

Period: 01/2016 – Ongoing

Client: **GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH**

Mandate: *Assessment of framework conditions for biogas production in Serbia (part of the project: Promotion of a Sustainable Bioenergy Market in Serbia)*

IBBK has been doing several one-week trips to Serbia with site visits and stakeholder interviews. The contract with GIZ was extended for several training sessions and consulting services on agricultural and industrial wastes (expired food stuffs).

Location: Serbia

Period: 2013 – ongoing

Client: **John Nurminen Foundation**

Mandate: *Risk assessment of biogas production in the Baltic Sea region from the nutrient management perspective.*

IBBK has been involved as the German partner of the project. Its aim was to assess the risk of nutrient discharges from biogas production in the Baltic Sea drainage area from plants located in Germany.



Location: Baltic Sea area in Germany

Period: 05/2017 – 11/2017

Client: **GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH**

Mandate: *Biogas operating and engineering course.*
Part of the *Promotion of a Sustainable Bioenergy Market in Serbia* project.

Location: Serbia

Period: 05/2017

Client: **GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH**

Mandate: *Preparation of a tender for a Biogas Center in Oujda to equip a lab.*
IBBK provided services for the installation of a biogas laboratory.

Location: Oujda, Morocco

Period: 09/2014 – 03/2015

Client: **GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH**

Mandate: *Short term biogas training seminar and study tour.*
IBBK provided the concept development, composition of trainer team and was the conductor of the seminar.

Location: South Africa

Period: 05/2015, 10/2016

Client: **GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH**

Mandate: *Technical assessment of a biogas plant in Gornje Suhotuo.*
Assessment of feasibility and preparation of feasibility studies for biogas projects.
Training: Preparation of feasibility studies for biogas projects.
The three contracts were part of the *Promotion of a Sustainable Bioenergy Market in Serbia* project. IBBK was in the tasks as consultant, concept developer and trainer.

Location: Serbia

Period: 08-09/2016

Client: **EU / IEE**

Mandate: *BioEnergy Farm II*
Research, consulting and training on micro-scale biogas installations which mainly



use own manure and feed left-overs of the farm as feedstock.
Website: www.bioenergyfarm.eu/en/.

Location: Europe

Period: 03/2014 – 12/2016



IBBK expert gives a lecture at a conference in Germany, within the BioEnergy Farm II project.

Client: **EU / IEE**

Mandate: *GR3: GRass as a GReen Gas Resource: Energy from landscapes by promoting the use of grass residues as a renewable energy resource*
GR3 focused on the valorization and promotion of the use of grass and other herbaceous residues from landscape management as a resource for biogas production, as a heat and electricity source. IBBK main role in the project was to bring its great experience in the field of biogas into the project's consortium. Furthermore IBBK has together with its cooperation partner FnBB e.V. a huge network. This was useful to achieve the right stakeholders for providing them with the appropriate information. Additionally, IBBK was responsible for the communication and dissemination of GR3's lessons learned and results to the relevant national and international stakeholders. IBBK's experts evaluated different available types of digester processes and grass digestion best practices. They were also involved in the development of a business model for grass management and use in AD. IBBK organized and held study tours during the project.
Website: <http://www.grassgreenresource.eu/theproject>.

Location: Europe

Period: 04/2013 – 03/2016



Client: **EU / Seventh Framework Programme**

Mandate: *Rapid deployable kits as seeds for self-recovery: S(P)EEDKITS.*

Most humanitarian organizations use stand-by emergency response units (ERU), to meet the immediate needs of people hit by disaster. Each ERU has a specific function, e.g. medical care, sanitation, energy provision, or water supply. S(P)EEDKITS aimed at speeding up the emergency response and at providing the seeds for future development. Further research and design were conducted on novel concepts for energy supply (biogas from sanitation). IBBK contributed with its expert knowledge on energy production from biogas. The main task was developing a flexible biogas unit that treated both human and kitchen waste to generate energy. IBBK also developed an interface for the waste reception as well as a pasteurizer unit to convert human feces into a safe handling material.

Website: www.speedkits.eu.

Location: Europe

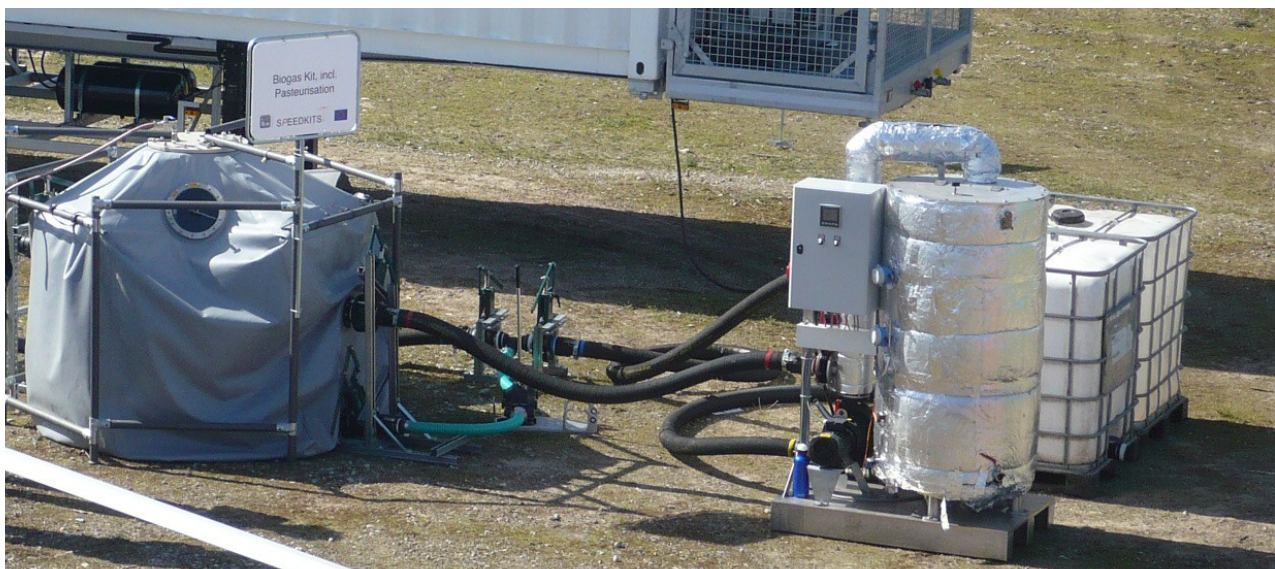
Period: 03/2012 – 02/2016

Client: **Energie Zentrum Wolpertshausen, EU / IEE**

Mandate: *Biomethane Regions (BMR) vs. Biogas Regions 2007: Promotion of biogas production and its market development through local and regional partnerships. Consulting, feasibility study and study tour.*

Location: EU

Period: 02/2012 – 07/2014



Biogas S(P)EEDKITS prototype.



Client: **GIZ / Turkish-German Biogas Project**

Mandate: *Training: Resource-efficient and climate-friendly use of animal waste for biogas production in Turkey.*
Concept development, composition of trainer team, trainer.

Location: Turkey

Period: 11/2013 – 05+06/2014



GasHighWay logo. The project aimed to increase the share of biofuels and alternative fuels.

Client: **FnBB e.V., UE / IEE**

Mandate: *Promoting the Uptake of Gaseous Vehicle Fuels, Biogas and Natural gas in Europe: GasHighWay.*

Research, consulting and training on stimulating the spread of the best practices and best available technologies in the uptake of gaseous fuels in vehicles, the expansion of the gas filling station network and the production and upgrading of biogas to vehicle fuel as well as its delivery to customers in Europe. In-house consulting for FnBB association.



Location: Europe

Period: 05/2009 – 04/2012

Client: **GIZ / Turkish-German Biogas Project**

Mandate: *Biogas operator course and study tour.*
Concept development, organization of event and tour, composition of trainer team, trainer.

Location: Germany

Period: 11/2011

Client: **FnBB e.V., CAREI**

Mandate: *Sino-Dutch Co-Project: Promotion of Rural Renewable Energy in Western China.*
Know how exchange of rural biogas and CHP technology on a small scale level.

Location: Beijing, China

Period: 09/2004 – 12/2010

Client: **FnBB e.V., IEU / EE**

Mandate: *Promoting the production and utilisation of energy crops at European level: EnCrop.*
Research, consulting and training project on increasing the knowledge of different actors along the energy crop production chain, as well as the general public, on the ecological, technical, economic, logistic and administrative matters related to energy crop production and utilization. In-house consulting for FnBB association.

Location: Europe

Period: 09/2007 – 07/2010

Client: **Ontario Ministry of Agriculture Food and Rural Affairs (OMAFRA)**

Mandate: Biogas training course, consulting development and delivery of a 4-day basic biogas training course.

Location: Ontario, Canada

Period: 04/2008 – 03/2010

Client: **FnBB e.V., EU / IEE**

Mandate: *Promoting Biogas Production and Use in Eastern Europe: BiG>East.*



The objective of the project is to promote the production and use of biogas as a secure and sustainable energy source in six target countries of Eastern and Southern Europe: Bulgaria, Croatia, Latvia, Romania, Slovenia and Greece. This is achieved by knowledge transfer from biogas experts of Western Europe to farmers, biogas plant operators and decision makers in Eastern Europe. Thereby, BiG>East increases both the quality and the number of installed biogas plants in the target countries. In-house consulting for FnBB association.

Location: Eastern and Southern Europe

Period: 10/2007 – 03/2010

Client: **UE / IEE**

Mandate: *Regional Markets of RES-fuel cell systems for households: RES-FC Market.* Research project on market possibilities for RES-fuel cell systems. The identifying of local markets shall drive down the costs of small scale fuel cells through the pooling effect.

Location: Europe

Period: 01/2006 – 06/2008



Biogas plant visits during the BiG>East project.

Client: **FnBB e.V., Asia Pro Eco**

Mandate: *Diagnostic on the commercial use of biogas recovered from the landfill in Mianyang.* Consultancy as biogas experts and institutional know how transfer.

Location: China



Period: 07/2004 – 01/2006

Client: **Technische Akademie für Technikfolgenabschätzung, Stuttgart**

Mandate: Formal and legislative requirements for the decentralized treatment of household wastewater – identification of legal constraints and barriers.

Location: Stuttgart, Germany

Period: 11/2002 – 06/2003

Client: **EU – ALTENER**

Mandate: *Regional AD Development Groups RAGs*
Resource survey and site assessment on the potential for biogas and waste water technology in the area.

Location: Region Hohenlohe, North Baden-Württemberg, Germany

Period: 08/2001 – 06/2003

Client: **GTZ / Ecosan Project**

Mandate: *Ecological Sanitation in South Africa: ecological decentralized sustainable waste water and human waste treatment.*
A fact finding mission and compiling of technical papers.

Location: South Africa

Period: 07 – 11/2002

Last update: 21. March 2018