

FBI consists of 4 parts that cover all know-how including plant design, consultancy, project development and key components.



The biogas design companies are masters in:

- Plant design
- Feasibility studies
- Project management

Some of FBI's design companies are:

- BIGATEC®
- Bionova
- Ing.-Büro Dr.Markert
- Innovas



Various consultants specialize in:

- Plant optimization
- Special feedstock and plant designs
- Investment and technology consulting

- Financing
- Waste management

Biogas project developers do:

- CDM projects with biogas
- Community waste management with biogas

Some of FBI's companies are:

- First Climate AG
- Dr. J.Gomez

Suppliers deliver:

- Know-how for key components
- Local supply for components
- Partnerships for local sales and distribution
- Licensing for local production

Some of FBI's companies are:

- Hugo Vogelsang pumps and choppers
- Harvestore digesters and storages
- 2G biogas CHPs
- PRG agitators



The advantages of the FBI know-how transfer model

Compared to other corporation models, like a joint venture, licensing, etc., the past showed that a know-how transfer with local adaption is the most effective and economic way to start a new biogas business, anywhere in the world. The reasons are the following:

1. More efficient know-how transfer since FBI is specializing in just that
2. Broader range of services and components due to an extensive network involved
3. Lower risks for both parties due to elimination of fraud. There is no thread of copying or know-how theft: all know-how belongs to the customer!
4. Huge experience and reference list due to the network involved
5. Lower plant prime costs due to onetime fee
6. Higher competitiveness due to these factors and a steady know-how stream

The FBI biogas academy

With regard to transfer all biogas know-how to its customers and partners in an effective and comprehensive manner, FBI runs its own biogas academy. It collects and provides most recent knowledge and experience about biogas from R&D and out of biogas practice and makes it available in a most digestible form to its customers worldwide. The academy offers three main and three additional blocks of courses that lead the trainees to master the biogas technology and business. Senior instructors with at least ten years of international biogas experience lead these courses. The courses take place in the country of the customer, in Switzerland and Germany and online. A midterm and a final examination make sure the trainees reached the necessary level of knowledge. The know-how transfer includes the transfer of all biogas knowledge, handing out all required calculation tools, knowledge data-bases, presentation materials etc.

The FBI Design and Project Management Center

Once the know-how has been transferred to the customer, he can start to design his own projects and to erect biogas plants. Experienced engineers from FBI support him for at least the two first projects which should be conducted in series later-on. There will be one senior engineer from FBI heading the whole realization process. FBI is 100% responsible and the engineering leader during the whole realization period for these first two projects.

International success

Out of more than 8 years of international experience in designing and erecting biogas plants, FBI has developed a successful methodology which consists of the following parts:

1. Selecting the customer's engineers: they must speak English well, strive for quality and must be experienced in construction and construction management.
2. The customer has to be prepared well for the projects, before he's getting involved into the complexity of a biogas plant. The biogas academy makes him ready.
3. The customer has to be well documented, including 3-d graphics and drawings.
4. An online service for web meetings and desktop remote access helps to collaborate.
5. An online project management service provides online documents management, real-time cost control, online time management, online diary, issues and risk management and can be monitored by the project supervisor in all details anywhere and anytime.

References and Awards

FBI has access to more than 2'000 biogas plants that have been designed, erected or equipped by a company of FBI and several awards were won like the EUROSOLAR prize for the best conceptual design, the Agrex prize of innovation, the AXPO prize for R&D and many others.

Current activities

FBI is busy with know-how transfers and plant designs in China, South Korea, Thailand, 4 European countries and Latin America. And FBI is in the advisory board of a Swiss investment fund to supervise biogas investment activities.

