Good reasons to invest in a biogas plant

A biogas plant is a true allrounder. It can produce either methane in domestic gas quality or electrical and thermal energy. A mid-sized biogas plant covers the demand of 1,000 households or one energy-intensive industrial enterprise. The produced bio-methane can be fed into the domestic gas grid or be used as fuel for natural gas vehicles. Biogas can be stored and the production output is variable. Biogas plants represent a sustainable, safe and local source of energy and are a perfect addition to the fluctuating production of wind and solar energy.

Biogas can be produced from waste or energy crops and both resources bear a huge potential. The investment in a biogas plant guarantees a secure, sustainable and long-term return on investment.
A CLEAN BUSINESS

IN HARMONY WITH NATURE
What happens during the operation of a biogas plant?

The control system may show a sudden drop in temperature. A slider cannot be opened and you cannot find the reason why? The screen display shows only two of three cogeneration units. Or is the substrate contaminated with extraneous materials, causing damage to the feeding system?

Whatever happens: Our service is available for you day and night – 24 hours a day, 7 days a week. Plus: Germany is not far. Thanks to the Internet, our world has become a global village.

Simply give us a call! Our service technicians speak German, English and perhaps even your native language. They can access the controls of your plant via Internet and in 80% of the cases they are able to solve the problem. 15% of the times the instruction of an on-site cooperation partner gets the job done straight away. And should your problem be one of the remaining 5%, one of our technicians will be with you as soon as possible. Together, we will solve any problem.

Please feel free to ask our clients about their experience with our service. We are happy to name references in Estonia, the Czech Republic, Italy, the Netherlands, Turkey...
Our company has planned and put up over 200 biogas plants throughout Europe, each of them tailor-made. We build small agricultural plants for manure fermentation with the same passion as large 5-MW-projects that generate power from waste. Regardless which kind of substrate you intend to use, we can adjust the technology accordingly. We will build your plant in a way that allows hassle-free alignment should you decide to change your input or utilisation concept in a few years.

After all, no two biogas plants are alike and each substrate has its own technological requirements. We have experience with food leftovers and industrial waste. We know how to monoferment grass, chicken manure or pig slurry. We know how corn is best ensiled and what it takes to work with expired food.

Whatever you want us to handle for you – each of our biogas plants is built with nothing but the best materials to ensure maximum lifetime and maximum efficiency. The results speak for themselves: the average capacity utilisation of our plants is over 96%.
We are so convinced of our technology that, in addition to building plants for our customers, we also run our own. To this day, we own and operate a total of 18 biogas plants. Which other manufacturer can claim this? Our advantage is the profit we make with these plants. Your advantage is the unique wealth of experience we can offer you throughout all phases of construction and operation. And yet, we do even more …
In 2010 we invested 5 million Euros in a biogas research laboratory at our headquarters. Here, we put new technologies to the test before recommending them to our clients – or advising them otherwise.

In this elaborate testing centre, we use various different substrates and building materials. We try out engines of different manufacturers and measure their energy consumption. We perform long-term studies, measuring and comparing the gas yield of each fermenter at different fermenting temperatures. We thereby answer questions like: How can the yield be increased and how much does the modification cost? Which additives are worthwhile and which are merely a cost-factor? What effect does ultrasound treatment have on the substrates? Simply ask us! We have either made the experience ourselves, or we have a customer who has already done what you intend to do. And if that is not the case, we can just start a research project in order to give qualified advice. Working closely with our clients, we are always one step ahead.
Last but not least: Your investors will probably not care about the pretty pictures in this brochure. They want hard facts. So, here are some powerful arguments:

**BioConstruct stands for**
- Solid and high equity ratio
- Excellent financial rating
- Owner managed business, hence constant and sustainable company policy
- Broad experience from over 200 successful projects
- Internationally positioned and experienced
- Average full load hours of all plants higher than 8,400 per year (98%)
- Robust. Fits. Runs.