

Anaerobic Digestion Plants made of stainless steel

SERVICES

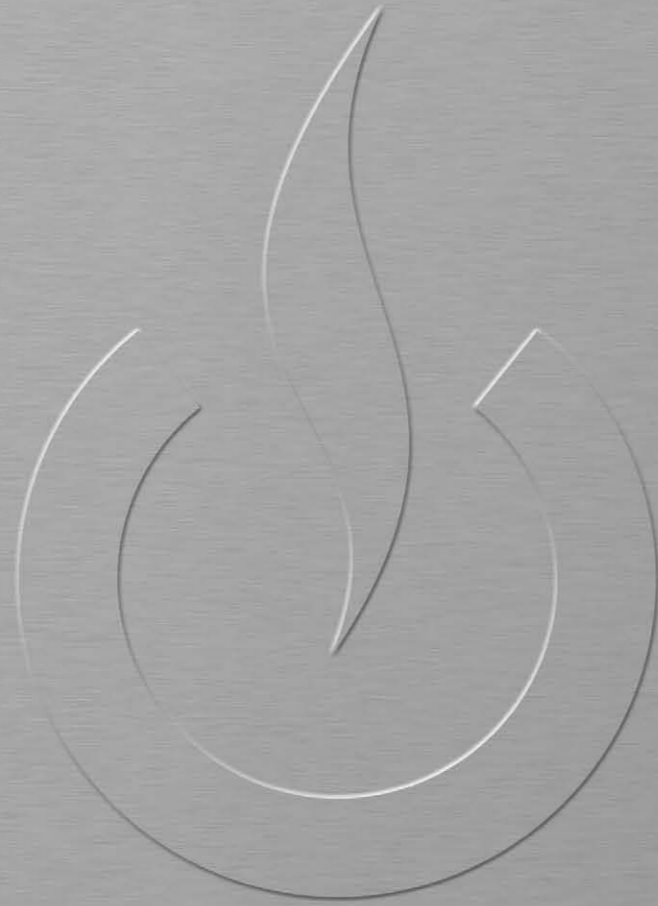


Organic energy worldwide

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SERVICES

We exert ourselves for your success – every day.



Day for day, the state-of-the-art Anaerobic Digestion plants of WELTEC BIOPOWER deliver top performance for your energy needs. To ensure this performance level on a long-term basis, the modern service department of WELTEC BIOPOWER serves as a strong partner by your side. Starting from the development stage, our choice of high-quality components and material is governed by the special attention we pay to maximum efficiency and a long plant life. Nevertheless, individual fine-tuning, regular servicing/maintenance, and documentation of the plants are indispensable when it comes to benefiting from maximum energy output, especially over a long period

We put a real emphasis on personal contact. Thus, our experienced specialists are pleased to assist you in all issues and subjects concerning Anaerobic Digestion: see for yourself!

Our service components:

-  *Plant control*
-  *Mechanics*
-  *CHP*
-  *Biology*
-  *Operator service*
-  *Repowering*
-  *Power service*

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- *Online remote monitoring*
- *All types of electronic repairs*
- *Software solutions*
- *Preventive maintenance*
- *Recurring checks with accredited documentation*
- *Preparation of consumption analyses*
- *Approved VdS energy plant inspection with thermal imaging*

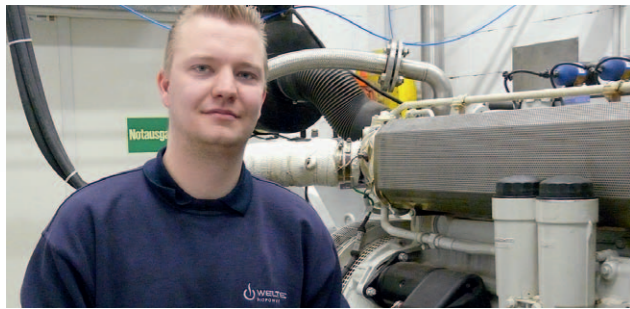
The control is the plant's "brain" that monitors and steers all of the key processes. Therefore, smooth operation of the control system is vital. It is good to know that with the control service of WELTEC BIOPOWER and the active failure management, you are always on the safe side.

In the event of a malfunction, the operator is informed straight away by SMS and can then promptly react. Minor problems can be identified and quickly eliminated directly via plant dial-in, e.g. using a smartphone. In the case of more extensive problems, our experts are available around the clock. To restore normal operation, we have immediate remote monitoring access to your plant. Furthermore, our team can visit the site very quickly in the case of emergencies in order to ensure continued operation of your plant without delay.



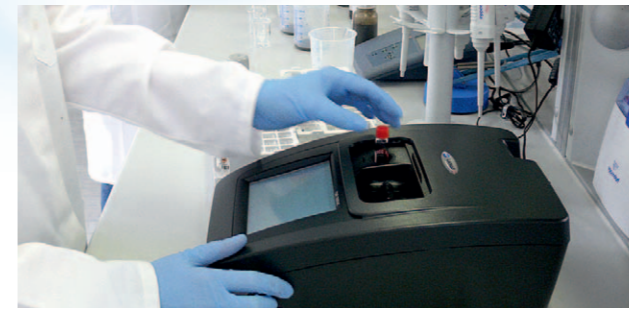
An Anaerobic Digestion plant consists of many tried-and-tested components, all of which are necessary for the smooth operation of the plant. Critical malfunctions can occur if the plant components are not maintained and serviced in accordance with the mechanical strain they are exposed to. The mechanical concept of a WELTEC BIOPOWER biogas plant provides for service and maintenance ease and thus requires extremely short service times for all components. For the operator, this means: manageable costs and maximum flexibility with respect to the choice of services. Regardless of whether you prefer either a time-based model or the basic, premium, or carefree package, the mechanical service of WELTEC BIOPOWER is always a good choice that ensures maximum availability and thus maximum profitability of your plant.

- *Mixers*
- *Piping*
- *Pumps*
- *Valves*
- *Roofs*
- *Pressure tests pursuant to the German Federal Water Act*
- *Pipe cleaning with camera*



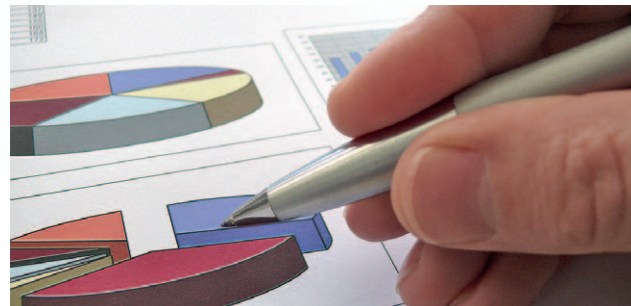
- *Service, maintenance, repairs*
- *Online troubleshooting*
- *High availability through own spare part warehouse*
- *Own repair workshop*
- *Specialised in MAN/MWM and others like Jenbacher, Schnell etc.*
- *Engine endoscopy, exhaust gas measurements*
- *Short inspection times through multiple-shift planning*
- *Quick access thanks to partners and branches*

The CHP plant is the core and revenue driver of the Anaerobic Digestion plant. It runs continually and delivers the final product of your investment: usable energy. Accordingly, the economic success of your plant is directly linked to the smooth function of the CHP plant. Professional supervision by the WELTEC CHP service ensures stable output at the highest level. Depending on your preferences, the services may comprise the supervision of the entire CHP plant or be limited to the gensets and/or modules. Furthermore, the services can always be adapted to your needs. Please feel free to contact us.



Renewable raw materials, waste processing plants, or mono-fermentation: stable biological processes ensure optimum methane production and play a key role in making the Anaerobic Digestion plant economically efficient. As biological process disruptions are usually of a prolonged nature and can quickly cause major losses, regular review of the individual process parameters is essential to guarantee your plant biology. With our own laboratory and selected experts, our biology service offers a comprehensive analysis spectrum, both nationally and internationally. The main focus is on speed, data validity, and especially on direct personal contact. Moreover, we create efficiency profiles on the basis of monthly input substance calculations. We can also provide you with assistance in case you want to change the substrate in order to optimise your efficiency, precisely determining your future gas yield by means of a detailed substrate analysis.

- *Own laboratory*
- *Professional biological supervision*
- *24-hour sample analysis*
- *Substrate analyses*
- *Substrate utilisation optimisation*
- *Examination of the digestate potential*
- *Fermentation experiments*
- *Trace element analysis*
- *Process data maintenance*



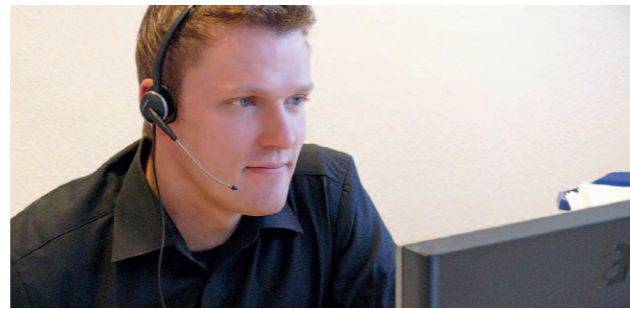
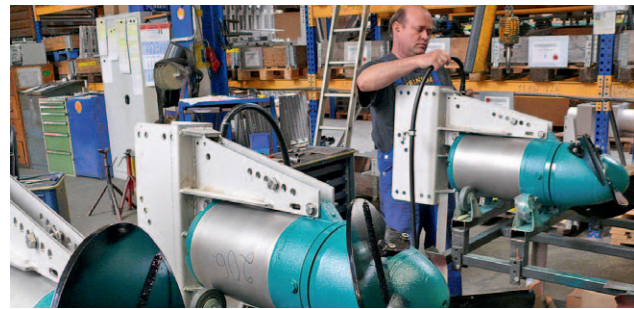
- *Plant training*
- *Operator training*
- *Acceptance management*
- *Expert reports*
- *Substrate management*
- *Operation*
- *Occupational safety, environmental and quality management*
- *Economic analyses*

In the economic analysis of an Anaerobic Digestion plant, substrates play a key role. Therefore, it is important to qualify and train plant operators and their teams, as systematic preparation on the basis of correct documentation is important to avoid uncertainties in the daily handling of existing operator obligations. Thanks to its long-standing experience in the field of Anaerobic Digestion, the operator service of WELTEC BIOPOWER, in collaboration with other industry experts, offers advanced training in the fields of plant planning, financing, legal issues, technology, and process optimisation. The operator training is conducted according to the federal concept of the German Biogas Association and KTBL. Ask us for advice in order to ensure compliant operation.



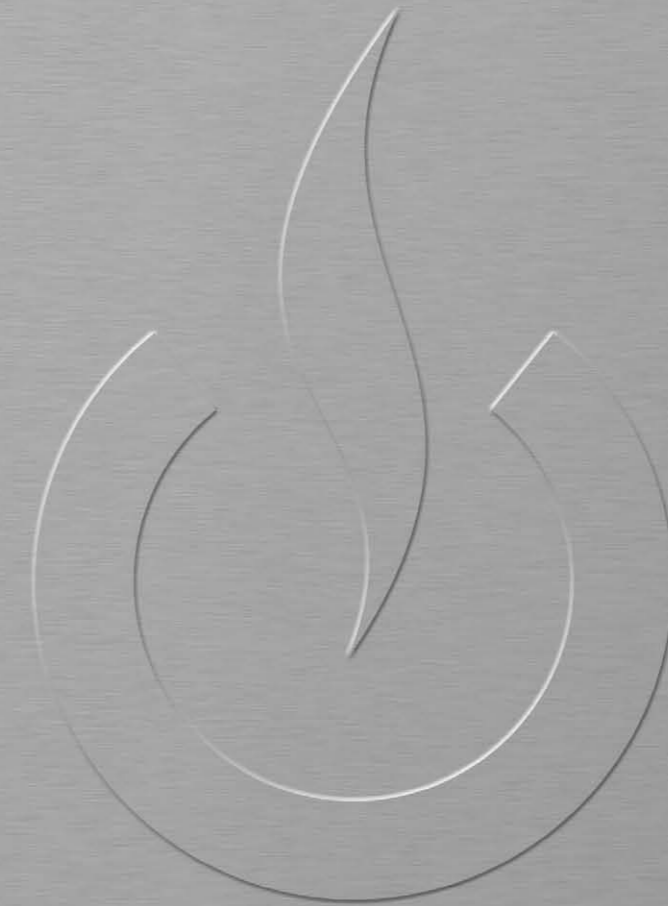
Same input – more output. From the economic and ecological perspective, the efficiency increase of an Anaerobic Digestion plant is vital for all plant operators. The efficiency of your biogas plant can be effectively improved through systematic plant conversion and/or replacement of basic components. Repowering keeps you perpetually up to date. We deliver custom-tailored concepts and economic analyses for new products and optimum components for your plant – including installation and financing models. Of course, we are also the contact partner of choice for plant extensions. Thanks to the smart modular structure of our plant components, we can always offer you an economically viable solution. By working together, we can find the most suitable strategy for maximising the overall efficiency of your plant.

- *Technical plant optimisation*
- *Biological plant optimisation*
- *Efficiency increase*
- *Digestate processing*
- *District heat concepts*
- *Plant extensions*



- *Spare part service*
- *Service hotline*
- *Gas cameras*
- *Solids feeder service*
- *Gas analyses*
- *Consumables shop*
- *Lease service*

Though an Anaerobic Digestion plant can be set up within a few weeks, the need for service – i.e. the guarantee that your plant will work reliably in the long run – spans decades. Thus, the general economic success of your investment stands and falls with the services offered by the manufacturer. For example, we offer biogas monitoring for the purpose of quickly identifying gas leakage, thereby protecting you from substantial loss and minimising the operating risk of the plant. With our power service, we make sure that repair and maintenance work as well as spare part shipments always take place in a reliable manner and as quickly as possible. For this purpose, our service team is at your command on a 24/7 basis – guaranteed!



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