



EUVIS

Control center

The production of biogas represents a complex interaction between biology and engineering. It is frequently very difficult for the operators on the ground at a plant to tell what parameters are causing fluctuations in output. As well as analyzing the biogas in the company's own laboratory and the biological maintenance contract "Fit for Biogas", Schmack Bioenergy also provides the EUVIS control center to offer comprehensive monitoring and visualization of all key variables which are relevant to the process around the clock. This ensures that trends during regulated operation can be detected at an early stage and also that impending problems or damage can be prevented before they occur. This means that costly servicing and the long downtimes associated with this can be avoided.

We monitor, prevent, and record, among other things, the following data:

- CHP output values incl. gas flare (capacity utilization of the plant)
- Gas analysis values (CH_4 , O_2 , H_2S , H_2)
- Gas quantity and gas pressure measurement
- Power consumption
- Temperatures
- Running times (stirring mechanisms, feed systems, pumps, etc.)
- Filling levels (EUCCO[®] and COCCUS[®])

Advantages:

- Continuous monitoring: 24 hours, 365 days a year
- Recording of all data relevant to the process
- Continuously expanding pool of data --> rising learning curve and experience curve
- Trends are detected and long downtimes and costly servicing are therefore avoided
- Short, defined response times thanks to online monitoring
- Security for operators and banks
- Easier to obtain financing

We are always there for you

EUVIS staff work around the clock to assist you: **24 hours a day, 365 days a year.** All of the data which has a decisive impact on the operation of your biogas plant is monitored and documented continuously here. All fault messages which occur are filtered by the EUVIS team according to their level of importance and are only passed on to the plant operator if there is a need to take action. If necessary, the service staff from Schmack Bioenergy can start to correct the fault on site very rapidly and within defined response times.

We offer security

The extensive practical assessments we carry out mean that we are able to access a very large pool of data. Our specialists are able to use the individual values recorded to make comparisons with other plants and to discern trends which give information at an early stage about possible changes in the way the plant is run. This gives you the security of knowing that your biogas plant can be operated without any faults or long service intervals with a high capacity utilization.

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