

# Qualification of operator personnel for biogas plants in accordance to TRGS 529

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According to the German "Technical Rule for Hazardous Substances for Activities in the Production of Biogas (TRGS 529)", which has come into force since May 2015, the persons responsible for the biogas plant must provide training and repeat this training every 4 years.

In contrast to other trainers, we do not perform general or anonymous courses at remote locations. We implement the training directly on site of the client, addressing own systems and infrastructure, where all employees and helpers from the biogas plant can be involved in the trainings (maximum 8-10 persons per group). Different training content can be designed depending on the particular responsibilities of the biogas plant staff.

The training is carried out with a focus on "Explosion protection and plant safety of biogas plants, including the minimum training content of Appendix 3 to TRGS 529" and has the following contents:

- Introduction to key legal requirements, regulations, and rules.
- Obligatory documentation for the plant operator.
- Risk assessment and explosion protection document; principles of explosion protection.
- Normal operation and behavior during maintenance and repair works.
- Internal and external hazards of a biogas plant.
- Tasks of the plant operator for safe operation of the biogas plant.
- Hygiene measures and personal protective equipment.
- Instructions to visitors and representatives of external companies before entering the facility.
- Environmental hazards, essential contents of the GefStoffV and AwSV.
- Procedure in case of alarm.
- Joint inspection of the plant, inspection of the operating documentation, discussion. (What is missing? What can or needs to be improved?)

The training includes at least 14 teaching units of 45 minutes (10.5 h) required by the TRGS 529 and extends over two days. We determine the design of the time schedule with the operator and coordinate this with the operational requirements.

After the training, the acquired knowledge is queried and documented with an exam. The participants will receive a corresponding certificate of participation.

When the involvement of all employees goes beyond the legal minimum standard, the operator receives increased security and protection from unpleasant (and expensive) business interruptions and/or accidents

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## **INNOVAS Innovative Energie- und Umwelttechnik**

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