

**Module 1**

**Biological support**

Laboratory data interpretation and recommendations for substrate feeding.

Aim: Maximum sustainable biogas yield from available input substrates.

*Price in Germany: 3.600,- €/a, net, no on-site visit*

**Module 2**

**Hazard assessment**

Preparation of a hazard assessment for the operation of a biogas plant. Evaluation of plant safety and development of appropriate safety measures.

*Price in Germany: 3.500,- €, net, incl. two on-site visits*

**Module 3**

**Explosion safety document and layout**

Preparation of an explosion safety document including explosion zones layout drawing for the operation of a biogas plant. Evaluation of appropriate safety measures.

*Price in Germany: 2.200,- €, net, incl. one on-site visit*

**Module 4**

**Explosion protection inspection**

Visual inspection and documentation control of devices in explosive areas. Gas leakage measurement at critical devices.

*Price in Germany: 1.500,- €, net per year, incl. one on-site visit*

**Module 5**

**Hazardous incident document**

Preparation of a hazardous incident document according § 8 12.BImSchG.

*Price in Germany: 2.900,- €, net, incl. one on-site visit*

**Module 6**

**Plant inspection before examination by local authorities**

Plant inspection by an experienced engineer before a formal examination. This gives the operator the chance to correct potential defects and will shorten time and efforts during and after formal examination.

*Price in Germany: 1.600,- €, net, incl. one on-site visit*

**Module 7****Maintenance schedule**

Implementation of „all“ necessary maintenance tasks for the specific biogas plant into a maintenance software. The software reminds the operator to the open tasks and provides a tool for professional recording of the finished maintenance works.

*Price in Germany: 3.900,- €, net, incl. two on-site visits*

 **Module 8****Functional safety (SIL)**

Identifying of risks from instrumented systems. Determination of the required safety integrity level (SIL).

*Price in Germany: 2.200,- €, net, one on-site visit*

 **Module 9****Safety related support for cleaning of digestion tanks**

Determination of the required work steps and preparation of a hazard assessment for the cleaning of a digestion tank. On-site instruction in safety procedures for internal and external workers.

*Price in Germany: 3.100,- €, net, incl. two on-site visits*

 **Module 10****Instruction of external companys**

Safety related instruction of external companies for works with high potential risk. Checking of necessary documentation (i.e. hazard assessment) from external company.

*Price in Germany: 1.800,- €, net, one on-site visit*

 **Module 11****Yearly operator training**

On-site safety related operator training. Presentation of different topics adapted to the needs of the specific biogas plant.

*Price in Germany: 1.900,- €, net, one on-site visit*

 **Module 12****Emergency plan and safety exercise**

Determination of possible emergencies and preparation of an emergency plan. Presentation of the emergency plan and performance of a safety exercise during one on-site visit.

*Price in Germany: 1.900,- €, net, one on-site visit*

**Module 13**

**Technical guideline for the handling of hazardous materials 529**

On-site visit related to plant conformity to actual german guideline TRGS 529 (work for production of biogas). Review of existing hazard assessment and implementation of new standards given by TRGS 529.

*Price in Germany: 2.100,- €, net, one on-site visit*

**Module 14**

**Revision of hazardous incident document**

Revision of hazardous incident document as regulated by law.

*Price in Germany: 1.500,- €, net, one on-site visit*

**Module 15**

**Verification of insurance cover**

Review and inspection of existing or future business interruption insurance contract by an experienced lawyer. Recommendations for improvement.

*Price in Germany: 1.100,- €, net, no on-site visit*