



## Project Description – Biogas plants Göpfritz/Wild 500 kW and Eggenburg 500 kW

### Contract Description / Solution:

These projects were implemented together with the company of *FRÜHAUF ELECTRIC* as our customer for the company of *SWIETELSKY* as the general contractor.

We had to supply and install an installations container, a container for solid-liquid separation as well as the complete piping and installation of the units.

The 40ft installations container was manufactured in our works as a steel structure provided with sandwich panels for insulation as well as with all brackets and supports for the units and pipelines. The 10ft container for separation was situated on top of the installations container to ensure the required dropping height for the separated solids. This container was also manufactured in our works and has a similar structure. It is provided with a floor drain (for cleaning purposes) and the separator accommodation.

The pipelines were planned and installed according to a given piping and instrumentation diagram. The fermentation sludge pipes are made of PE-HD, the gas pipes of stainless steel (AISI 316L) and PE-HD. The piping was installed and tested according to the state of the art. To ensure a sufficient heat output district heating pipelines were installed between the heating manifold in the installations container and the fermenter, and corrosion-protected steel pipes were installed inside the fermenters. In spite of unfavourable weather conditions during installation and the difficulties our assembly fitters were faced with these projects were completed in the shortest possible time so that the plant could go on line within the agreed time.

