

## Renewable Energies

### Newbuild of a Renewable Primary Products Biogas Plant



#### Advantages:

- Ideal Solid-Insertion
- Gas Processing to Domestic Gas Quality
- Full Automatic Operation
- Spiral-Heat Pipe inside the Fermenter-Tank

**Project:** Biogasplant Haßlau  
**Location:** Dresden-Haßlau, Germany  
**Commissioning:** August 2011

#### Scope of Supply:

As a part of a joint venture Bremer pro aqua has delivered, assembled and started up the entire machinery and piping installation.

The machinery consisting of: Solid-insertion, mixers, pumps, measuring and control engineering as well as a biogas-processing plant which treats the biogas to a quality, which is suitable to feed into the domestic gas supply network.

The piping above-ground has been built completely in stainless steel. The piping below-ground has been built completely in Polyethylene-High-Density (PEHD).



#### Technical Data:

|                                   |                              |
|-----------------------------------|------------------------------|
| Total Fermentation Volume:        | 18.000m <sup>3</sup>         |
| Average Volumetric Load:          | 2,6 kg oTS/m <sup>3</sup> *d |
| Average Hydraulic Retention Time: | 119 days                     |
| Volumen Digestion Substrate:      | 26.550m <sup>3</sup>         |