Biogas plants - References

Biogas plant D - Paderborn Airport

Start up: November 2005

Input Substrates: 4.000 m³/a Manure (pigs)
10.000 t/a Foodwaste

Specification

- **Digester:**
  - 2 pcs., reinforced concrete
  - Volume = 2 x 1.500 m³
  - Temperature = 39°C
  - Retention time = app. 48 days

- **2nd digester:**
  - 1 pcs., reinforced concrete
  - Volume = 2.660 m³
  - Temperature = 39°C
  - Retention time = app. 46 days

- **Storage tank:**
  - 1 pcs, reinforced concrete
  - Volume = 2.660 m³
  - Temperature = no heating system installed

**Biogas usage:**

- 1 CHP, 700 kW_{el}, 750 kW_{th}, el. efficiency = 39%

**Envio(*) Services:**

- Concept, Planning, Building Application, Construction, Commissioning, Supervision

(*) Services done by Envio or their major supplier Biogas Nord