

BIOLOGICAL CRUST REMOVAL

BIOGAS PLANT TURÁ LÚKA SLOVAKIA

- MT-Energie 1.0 MW
- Primary fermenter volume of **4,000 m³**; fermentation temperature **40 °C**
- The crust thickness of **1 m**, consisting of unfermented maize and grass silage
- The total time of dissolution of the crust: **2 weeks**

BIOGAS PLANT SMOLINSKE SLOVAKIA

- BIOGEST Umwelttechnik GmbH 1 MW
- Secondary fermenter volume of **2,700 m³**; fermentation temperature **42 °C**
- The crust thickness of **3 - 5 m**, consisting of unfermented maize silage, grass silage and straw
- The total time of dissolution of the crust: **5 weeks**

BIOGAS PLANT OPAVA - KYLEŠOVICE THE CZECH REPUBLIC

- BGS 550 kW
- Secondary fermenter volume of **2 700 m³**; fermentation temperature **43 °C**
- The crust thickness of **2 - 3 m**, consisting entirely of unfermented straw
- The total time of dissolution of the crust: **4 weeks**

BIOGAS PLANT NOVOSEDLY THE CZECH REPUBLIC

- BIOGEST Umwelttechnik GmbH 600 kW
- Primary fermenter volume of **2,700 m³**; fermentation temperature **42 °C**
- The crust thickness of **0.5 m**, consisting of unfermented grass silage
- The total time of dissolution of the crust: **1 weeks**

NOVAENERGO ADVANTAGE

- ▶ **Crust material is transformed into biogas and used for energy production**
- ▶ **No need to shut-down fermenters**
- ▶ **Crust removal in a short time, without any electricity production interruption**
- ▶ **Lower total costs compare to other crust removal methods**