

# LIPP PROJECT: Slurry and farm co substrates methanization

LOCATION: Kitzingen, Germany

YEAR: 2005



Substrates **local slurry and manure, corn and wheat silage and sugar beets**

Crushed and hydrolysed. Lactic conservation in LIPP Ligavator

Mixed in the concrete pit reception

Digestion **2 LIPP digestion tank 1 000 m<sup>3</sup> each**

Integrated biogas reserve (2 x 500 m<sup>3</sup>)

Lateral mixing digestion tank with a drain

Heating by heat recuperation

Hydric capacity 100 m<sup>3</sup> by day

Solid capacity 15 tons by day (5 475 tons dried by year)

2 LIPP Ligavators for lactic conservation 1 000 m<sup>3</sup> each

Biogas **2 integrated biogas reserves 600 m<sup>3</sup> each**

Electric production 750 kW by hour

Heat recuperation for heating the greenhouses

Combustion exhaust used to produce CO<sub>2</sub> in the greenhouses

Digestate **spreaded directly in fields**

1 LIPP digestate tank 2 500 m<sup>3</sup>

