

LIPP PROJECT: Slurry and food cosubstrates methanization

LOCATION: Moerdijk, Germany

YEAR:



Substrates **food scrap 23 000 Tm/year**

Sorted and crushed in the pit reception followed by pasteurisation
Hydrolysis in a heated LIPP tank

Digestion **2 LIPP digestion tanks 1 800 m³**

Integrated biogas reserve (700 m³ each)

Lateral mixing digestion tank with a drain

Heating by heat recuperation

Hydric capacity 180 m³ by day

Solid capacity 40 tons by day (14 600 tons dried by year)

Biogas **cogenerator 1 000 kW**

Biogas used to produce heat and electricity for heating the buildings and food scrap pasteurisation
H₂S extraction with a biologic scrubber LIPP

Digestate **concentrated liquid used in agriculture**

Membranous double filtration to concentrate the liquid fertilizers

