



BIOSOLIDS



BIOWASTE



BIOREFINERIES

PLANT
SHEETS

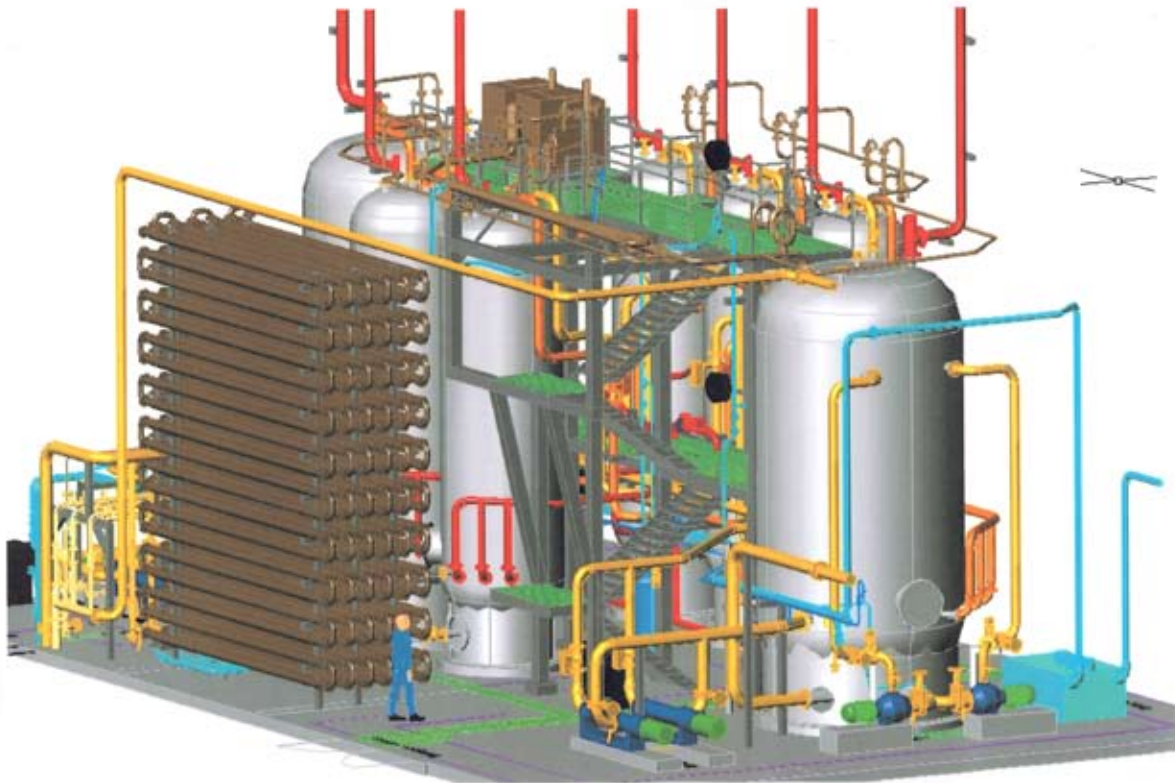


BRUSSELS

Brussels, Belgium

Plant capacity and performance:

- 20,000 metric tonnes DS/year
- 2 x 3,600 m³ digesters
- 5-reactor Cambi THP
- Digested sludge to wet oxidation at ~8% DS
- Compact digestion with high biogas yields
- Dewatering >35% DS in filter press



Brussels, Belgium

Cambi was subcontractor to OTV/SEE for supply of the sludge thermal hydrolysis plant, which is part of the new wastewater treatment plant in Bruxelles Nord.

The plant treats wastewater from 1.1 million people. The Cambi thermal hydrolysis plant comprises pulper, 5 reactors, flash tank and sludge coolers. Construction was completed in the autumn of 2006.

The plant produces a digested sludge at about 8% DS that is suitable for wet oxidation or dewatering directly for disposal as well as providing significant biogas production that is used for making process steam and electricity.

Operations show that the plant can treat the design rate of sludge (and more), that it treats sludge with at least as high DS as design, and that it produces a well hydrolyzed sludge, giving a high VS destruction in the digester.

The benefits of the Cambi process are:

- Compact digestion plant
- High solids loading to digester yields a digested sludge at up to 8% DS
- High VS destruction and Biogas yields
- Dewatering at >35% DS in filter press