



BIO SOLIDS



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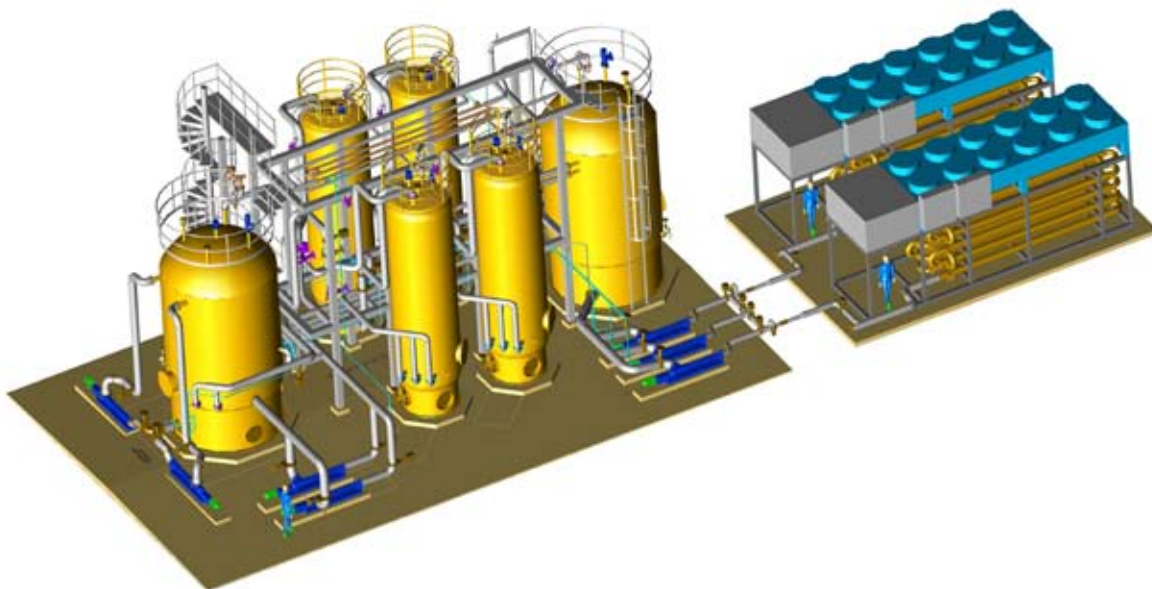


# Cotton Valley

MILTON KEYNES, ENGLAND

**Plant capacity:**

- 22.240 tonnes DS/year
- 2 x 3750 m<sup>3</sup> digesters



## Cotton Valley, Milton Keynes

On 2 November 2006 Black & Veatch (then Gleeson Ltd.) issued a binding letter of intent to Cambi AS for a 4-reactor Thermal Hydrolysis plant for the pre-treatment of sludge prior to anaerobic digestion for Cotton Valley sludge treatment centre, Milton Keynes Wastewater Treatment Works with a population equivalent of approx. 288,000 but will also import sludge.

The project has a delivery period of 12 months from start to completion. The final contract between the parties was signed in June 2007. The contract is part of a contract for sludge treatment upgrade between B&V and Anglian Water.

The project will treat indigenous sludge (10,700 tonnes DS) and imports with totally up to 20,000 tonnes DS. Cotton Valley is one of 4 sludge treatment centres to be set up/upgraded in the next

5-year plan of Anglian Water, starting 2006.

Total for Anglian's 5-year plan is to treat sludge from 6 million p.e., approx. 100,000 tonnes TDS (total dry solids). Cambi was chosen on a best whole-life cost.

### Scope of Cambi Supply

The contract includes the Thermal Hydrolysis Process and post THP cooling. It excludes pre THP dewatering, cake silo, THP plant insulation and ancillaries (Steam, compressed air, water).

### Client / End user

Black & Veatch – Anglian Water

The plant is now commissioning.

The benefits of the Cambi process are:

- **More than doubling throughput of the existing digesters and making capacity for the next twenty years**
- **Adding 1 MW of renewable energy**
- **Improvement of final product to a class A well dewatered product**
- **Avoidance of further capital expenditure at other sites by importing raw sludge from sites with no digestion**