



Rotadisc® Sludge Drying Plant, TST 1964 Lakeuden Etappi OY, Biogas Plant

Plant description

The plant is designed, built and operated by Lakeuden Etappi OY in Finland.

Lakeuden Etappi OY processes biowaste for biogas production. The biowaste consist of municipal sludge, biowaste and industrial sludge.

The mixed biowaste is pre-processed and stored in biogasification reactors for a minimum retention time of 25 days.

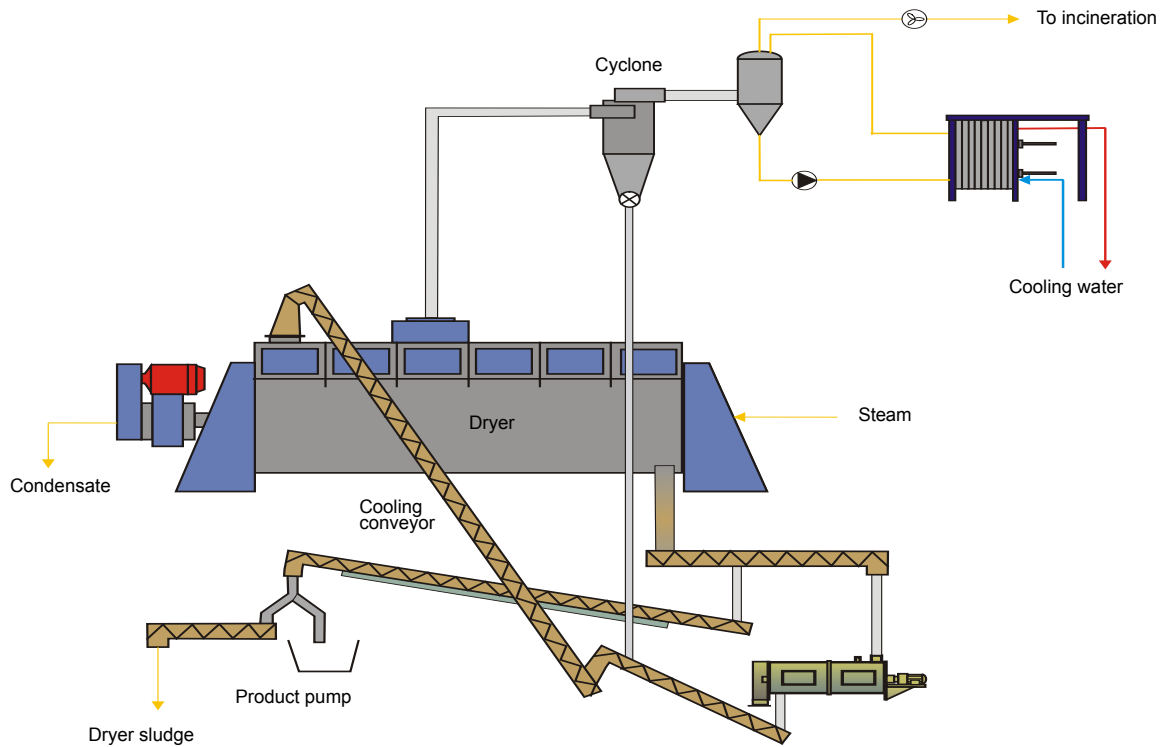
After biogasification the sludge is mechanical dewatered and conveyed to the thermal drying plant. The thermal drying ensures that a hygienisation of the sludge takes place.

Haarslev Industries

Atlas-Stord, which has now merged with Haarslev Industries, has more than 20 years of experience and is directly involved in solving environmental problems being a leading supplier of more than 100 sludge drying installations.

In future it will be more common to reuse primary and secondary sludge for instance as fuel for the plants – i.e. as a sustainable energy source. This is due to a decrease in the disposal site for industrial sludge and due to national and international regulations. In this process, the RotaDisc® Dryer will be an indispensable component for thermal reduction of volume.

Full Drying Mixed Biowaste



Plant data Lakeuden Etappi Biogas Plant

- Plant capacity (wet material): 93 t/day (Design value)
- Sludge production (dry substance): 968 kg dry substance/h (Nominal value)
1,162 kg dry substance/h (Design value)
- Sludge drying
 - Disc dryer: TST-1964
 - Throughput capacity: 11,622 kg/h mixed sludge
 - Dry substance content before dryer: 70 %
 - Dry substance content after dryer: 90 %
 - Installed driving power: 160 kW
 - Heating surface each: 299 m²
- Sludge treatment
 - starting-up: 2008
 - operating period: > 8,000 h/year



We reserve the right to alter the specifications at any time without prior notice.



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