

Thermal Sewage Sludge Treatment Ljuberzy, Moscow, Russia

Haarslev Industries supplies 4 sludge treatment drying lines to Ljuberzy. 560 t wet sludge per day will be mechanically dewatered so that it contains 25% dry substance. It will be dried to a dry substance of 90%.

The drying will take place in four ROTADISC® dryers, which are indirect heated by saturated steam. The incurred vapours of two dryers will be showered down into one two step vapour condenser unit.

In the first step the vapour energy will be used to heat up the thin sludge. In the second step the vapour will be finally condensed.

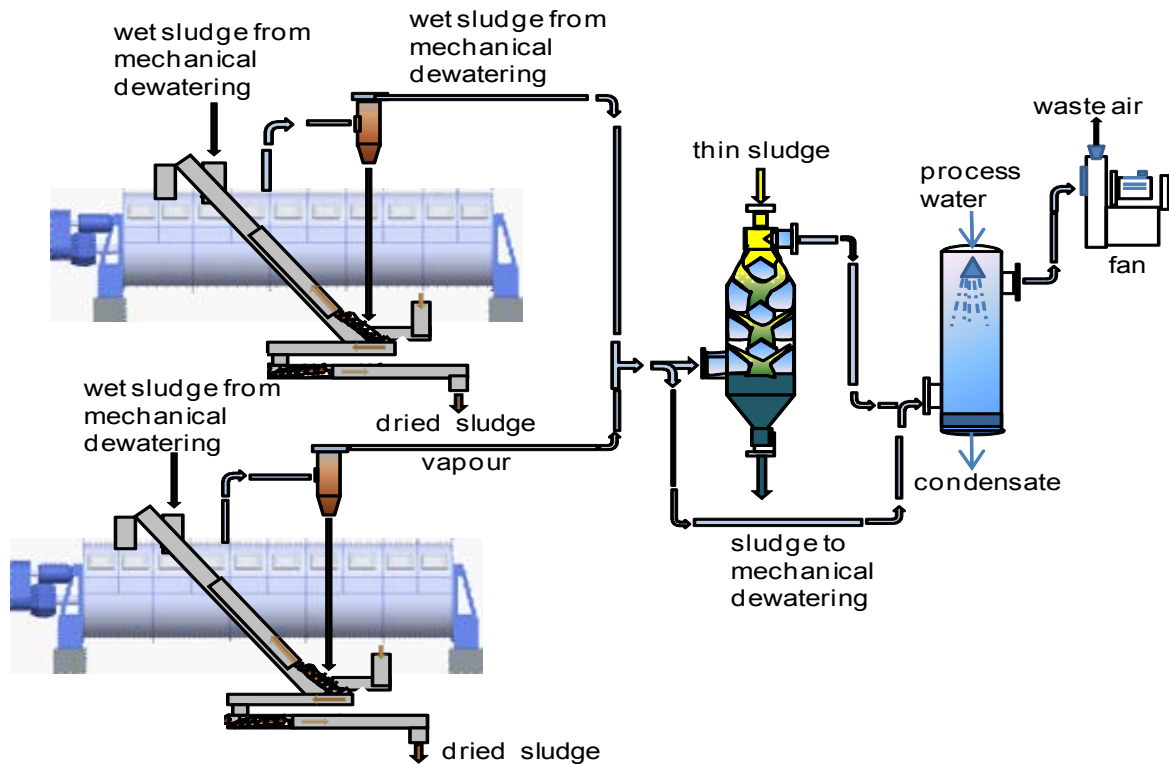
Haarslev Industries

Atlas Stord and Haarslev merged to Haarslev Industries in 2006. Over 50 years experience as a supplier of industrial thermal drying units made us to a competent partner.

The applications can be found in the range of the fishmeal industries, in the handling of animal by-products and for the drying process of industrial and municipal sludge.

In addition they find an application in the drying process of biomass and in breweries and distilleries.

Flow diagram sludge treatment



Technical Data For The Sludge Handling System

Drying unit capacity 560 wet sludge/day

Sludge treatment

- DS-content in front of centrifuge: 4 %
- DS-content behind centrifuge: 25 %
- 4 disc dryers TST-2264-D42

Sludge treatment plant

- Start-up sludge drying 2011
- Operation time > 8.000 h/a

Sludge drying (values per dryer):

- Number of discs 64
- Heating surface 416 m²
- Wet sludge flow 5.833 kg/h
- DS content in front of the dryer 25 %
- DS content behind the dryer 90 %
- Evaporation 4.213 kg/h
- Installed power of dryer unit 200 kW
- Heating medium Saturated steam
- 2 step condensation with heat recovery

Haarslev Industries reserves the right to make changes.



Haarslev Industries A/S • Bogensevej 85
 DK-5471 Sønderso • Denmark
 Telephone: +45 63 83 11 00
 E-mail: info@haarslev.com
 www.haarslev.com

