



Sludge treatment plant ShenZhen BaoAn, China

The sewage sludge of 6 waste water treatment plants in the city of Shen Zhen will be mechanically dewatered and supplied to the plant of BaoAn for partial drying and burning. More than 800t digested sludge per day will be dried in four indirect heated Rotadisc®-disc dryers from 20% to 36% DS content.

Afterwards it will be incinerated thermally self-sufficient. The energy for drying is won from the exhaust gas stream of the two fluidised bed incinerators without additional energy.

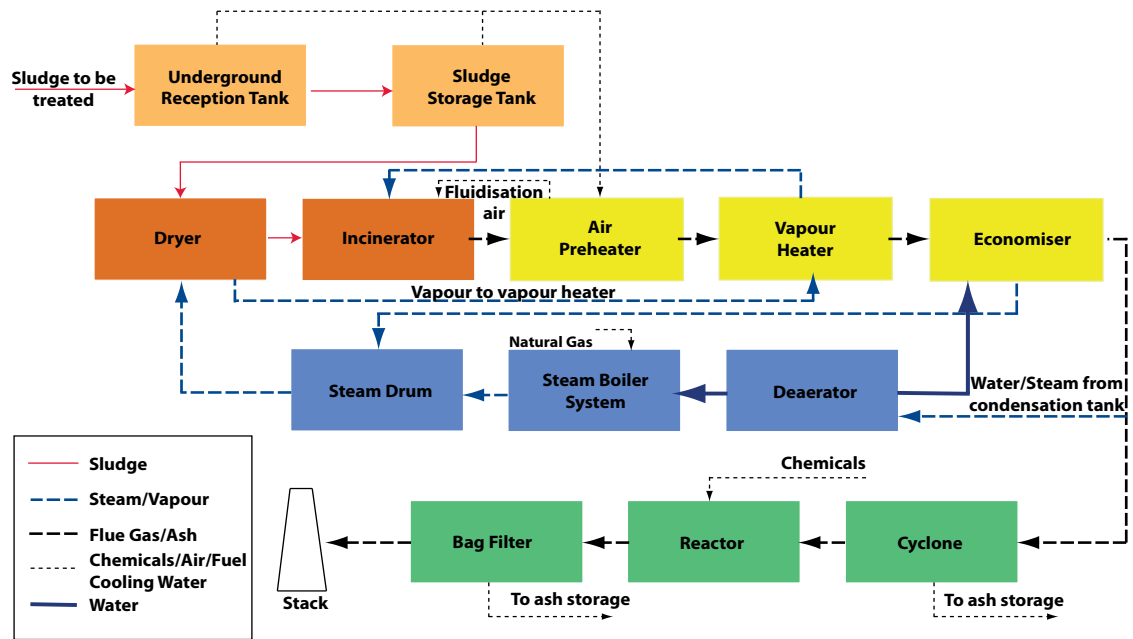
Haarslev Industries

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 fish meal 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	835 wet sludge/day	Sludge treatment plant
Sludge treatment		<ul style="list-style-type: none"> • Construction start 2010 • Installation 2011 • Start-up sludge drying 2011
<ul style="list-style-type: none"> • DS content in front of centrifuge: 	4 %	
<ul style="list-style-type: none"> • DS content behind centrifuge: 	20 %	
<ul style="list-style-type: none"> • 4 disc dryers 	TST-1850	
Sludge drying (values per dryer):		
<ul style="list-style-type: none"> • Number of discs 	50	
<ul style="list-style-type: none"> • Heating surface 	215 m ²	
<ul style="list-style-type: none"> • Wet sludge flow 	8,700 kg/h	
<ul style="list-style-type: none"> • DS content wet sludge 	20 %	
<ul style="list-style-type: none"> • DS content of dried sludge 	35.5 %	
<ul style="list-style-type: none"> • Installed power of dryer unit 	110 kW	
<ul style="list-style-type: none"> • Heating medium 	Saturated steam	

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

