

[Home](#) ■ [HUBER Report](#) ■ [Sludge Treatment](#) ■

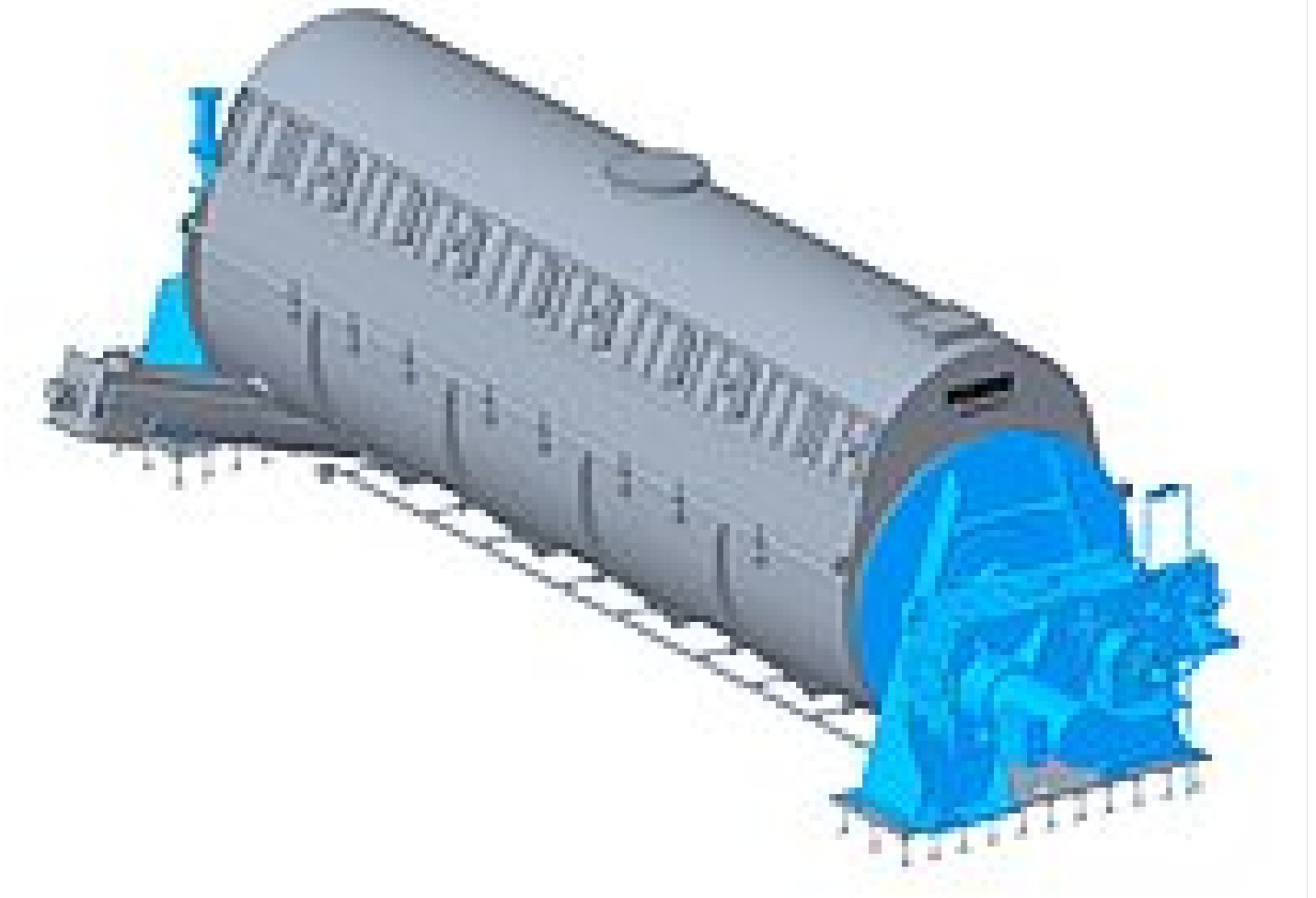
[Over 40 tons of sewage sludge per hour: Berlin-Waßmannsdorf STP receives four HUBER Disc Dryers RotaDry®](#)

Over 40 tons of sewage sludge per hour: Berlin-Waßmannsdorf STP receives four HUBER Disc Dryers RotaDry®

Reliable and innovative products from Berching for the German capital: HUBER will deliver four RotaDry® disc dryers to Berlin for the Waßmannsdorf sewage sludge utilisation plant, which is located on the site of the sewage treatment plant of the same name. In future, the HUBER Disc Dryer RotaDry® units will be used for partial drying of up to 40,800 kg/h sewage sludge.



Large construction site: the construction ground of the sewage sludge utilisation plant in Berlin-Waßmannsdorf in October 2022



3D model of the HUBER Disc Dryer RotaDry® with inclined discharge screw

100% thermal utilisation of sewage sludge in future

Berliner Wasserbetriebe (BWB) operates six of its own sewage treatment plants in Berlin and the surrounding region. Instead of agricultural utilisation or co-incineration in power or cement plants, 100% of the sewage sludge is to be utilised in future in the company's own thermal incineration plants. For this purpose, a new mono-incineration plant consisting of three lines operating in parallel is being built at the Berlin-Waßmannsdorf STP site.

Increase in dry residue from around 25 to up to 43.5%

A crane system and screw conveyors transport the dewatered sewage sludge from the bunker to the disc dryers. In the dryer, the dry residue (DR) of the sludge is then raised from around 25% DR to up to 43.5%. This is done by contact of the sewage sludge with discs heated by up to 6 bar steam pressure. The partially dried sewage sludge leaves the disc dryer via a discharge screw flanged to the dryer, which conveys the sludge towards the fluidised-bed furnaces.

Intelligent redundancy concept for higher plant availability

The intelligent redundancy concept with an additional sewage sludge conveying and drying line significantly increases plant availability. In the event of a malfunction, the line kept in standby can be started up and ensure the continued operation of the fluidised bed furnace.

Start-up in the fourth quarter of 2023, regular operation from 2025

The four disc dryers are to be lifted into level 7 of the sewage sludge utilisation plant in the fourth quarter of 2023 and will go into regular operation with the entire plant in 2025.

Facts and figures of the HUBER RotaDry® Berlin-Waßmannsdorf project:

- Size: 4x HUBER RotaDry® 2264M
- Dryer empty weight: up to 5,780 kg/h per dryer
- Total throughput: up to 40,800 kg/h
- Operating time: 8,000 h/a

- Drying efficiency: from 25% DR to 43.5% DR
- Heat source: saturated steam, 6 bar

A member of the HUBER Group

Postadress / Mailing address:
HUBER Technology Nordic AB
Box 125, 437 22 Lindome, Sweden

Besöksadress / Visiting address: Telephone: + 46 31 99 64 60
Heljesvägen 4
437 36 Lindome, Sweden

E-mail: info@hubersverige.se

www.hubersverige.se
Bankgiro: 5870-0386
Postgiro: 6402198-3
