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Plant for mono-incineration of sewage sludge in Hanover-Lahe: HUBER Disc Dryers successfully lifted in

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Another milestone in the Hanover-Lahe project of sludge2energy GmbH: The two HUBER Disc Dryer RotaDry® units 2050 M were successfully lifted into place in early November 2021.

A crane unloaded the two disc dryers, each weighing around 63 tonnes, from the heavy load transporters on site and lifted them directly into the building onto the prepared level. They are used in the Hanover-Lahe sewage sludge mono-incineration plant as sewage sludge pre-dryers for fuel preparation.

Thermal drying for further utilisation of the sewage sludge: environmentally friendly heat for around 5,000 households

Thermal drying with the [HUBER Disc Dryer RotaDry®](#) ensures that the dewatered sewage sludge is dried to such an extent that it can be utilised autothermally (i.e. without external heat or energy input) in the fluidized bed incinerator. The steam generated in the boiler is used both to produce electricity to cover the plant's own electrical needs and to heat the dryers. The vapours produced (steam) are condensed in a vapour condenser, the resulting heat is used to feed the district heating network. The environmentally friendly heat is then available to around 5,000 households.

After dryer insertion: steel construction, mechanical assembly and commissioning in 2022

After the dryers have been lifted into place, the steel construction above the dryers can now continue, and the roof of the building will be closed at the beginning of next year. Subsequently, mechanical assembly will start by the third quarter of 2022, followed by commissioning of the entire plant. HUBER, in cooperation with its subsidiary and the general contractor of the overall project, sludge2energy GmbH, is thus building a modern and efficient plant for sewage sludge recycling that meets the highest standards.

Another heavy load lifting manoeuvre: fluidized bed furnace S2E-Fluidizer, followed by insertion of the steam turbine

Lifting in of another heavy load component followed directly in calendar week 46: The S2E-Fluidizer, the fluidized bed furnace developed by S2E and the heart of the combustion concept, was already completed on site and lifted into place at the plant. In calendar week 47, installation of the steam turbine will take place.

Learn more about the sewage sludge mono-incineration project in Hanover-Lahe [here at the website www.sludge2energy.de](http://www.sludge2energy.de).



The dryers are lifted directly into the building onto the prepared level



The huge dryers on their way to site on heavy load flatbed trailers



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