

Making waste streams sustainable and valuable

wtetech.se



Waste to Energy
Technology

What we do

Waste to Energy Technology (WtE) is a Swedish supplier of solutions for your industrial waste streams.

WtE supplies biochar plants that can turn wet organic waste streams into both biochar and district heating or electricity. Adding heat as an income stream can more than double the total revenue for an industrial sized biochar plant.

With a unique plant design based on steam drying and high temperature pyrolysis WtE can offer a very competitive industrial scale solution with low CAPEX, low OPEX and with several revenue sources.



Our technology

The WtE solution is combining the well proven rotating drum carbonizer with a superheated steam dryer that makes use of the carbonizers high temperature flue gases to dry the incoming material. WtE can continuously handle large wet waste streams (25% DM) with a flow of more than 3 ton sludge or biomass per hour.

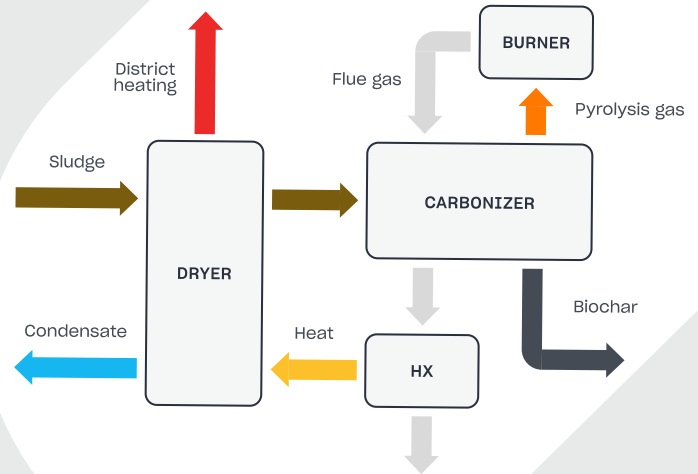
A superheated steam dryer can handle large flows and has a very short drying time, less than 20 seconds. It also provides condensate with a temperature above 100°C making it possible to use the heat for district heating or to produce electricity with ORC.



WTE standardized Biochar plant

Waste to Energy Technology have developed a plant size based on standard sized equipment to assure a low CAPEX.

- 3 200 kg/h (25% TS) fiber sludge (25 000 t/a)
- 1 000 kg/h (90% TS) dried sludge (8 000 t/a)
- 300 kg/h biochar (2 500 t/a)
- 2,5 MW district heating (20 GWh)
- 1000 kg/h CO2 sink (8 000 t/a)



Test and verification plant

WtE can run the clients waste stream in an actual carbonization plant set up in Sweden. WtE uses laboratory testing, advanced simulation tools and actual biochar production to evaluate the mass and heat balance. Clients gets accurate and detailed input to use in the business case.

- 30 kg/h dried material
- Char yield and energy value testing
- Important input to investment decisions

Interested? Give us a call!

Niclas Jonsson
+46 70 565 07 64
niclas.jonsson@wtetech.se

Waste to Energy Technology
Horveryd Alebäcken 1
576 97 Vrigstad



Waste to Energy
Technology

