1. Dehydrated sewage sludge is fed into a dryer with an average capacity of 100 kg/h.
2. The drying process of the sewage sludge reduces moisture content down to 10% or less.
3. Dry sewage sludge is subjected to a continuous process of high temperature pyrolysis without oxygen. Pyrolysis temperature range reaches from 800°C to 1000°C.
4. Main product of the pyrolysis process - hot syngas - powers the steam boiler.
5. Process steam produced in a boiler is used as a heating medium for the sludge dryer, thus closing the process balance.
Dedicated solution for processing up to 100 kg/h of sludge with moisture content 80 - 90%

Syngas production covers 100% of the energy required for drying

The pyrolysis process guarantees complete sterilization of the sludge

A small, compact solution, which can be fitted into a shipping container

Polish technology, covering the needs of sludge management for medium size municipality

Interior of the installation - view at the sludge dryer

Demo installation located at the sewage treatment plant

Wide range of R&D facilities allows us to customize our technology to individual needs