Plant for sewage sludge
Erd, Hungary

Project data

Start of construction:	2012
Commissioning:	2012
Input materials:	sewage sludge 180m³/d with 5.5 – 6% dry matters

Technical data

Digester:	2x 2,000m³
CHP:	2x 250kW$_{el}$ (one partially on natural gas)
Miscellaneous:	Thickeners Belt filter presses Boilers (partially on biogas)

Characteristics

The wastewater treatment plant (wwtp) in Erd has a capacity of 140,000 PE. The two bioreactors were built when the overall wwtp was renovated. The sewage sludge is firstly thickened by means of polymers to a dry matter content of 5.5 – 6%, after which the sludge is collected in a pit and pumped into the digesters. After the anaerobic digestion, the residue is thickened in belt filter presses, collected in containers and landfilled. All produced electricity is used on site. The technology for the wwtp renovation and the bioreactors has been implemented by Inwatech.

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Stand: April 2014