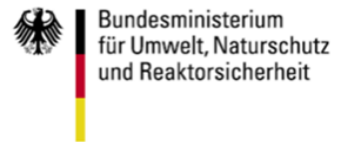


Lingen wastewater treatment plant

Climate friendly wastewater treatment plant with energy surplus and minimal disposal costs



Project aims

- Energy self-sufficiency (electrical/thermal)
- Improvement of the ecological footprint of the WWTP
- Savings on sludge disposal costs by improving the dewatering and intensifying digestion

Also:

- Reduced consumption of chemicals

Activities

- Enhanced digestion via thermal disintegration → LysoTherm®
- Installation of new CHPs with higher electrical efficiency
- EloVac®-P vacuum degassing with simultaneous struvite precipitation out of digested sludge
- Optimisation of the primary sludge thickening
- Installation of a biological digester gas desulphurisation system
- Installation of a centrifuge for dewatering digested sludge

Technical data of the wastewater treatment plant

Upgrade size:	195,000 PE
Average COD load:	Approx. 150,000 PE (2011) approx. 90,000 PE (2017)

Start

February 2012, with staged installation

Completion

End of 2017

Total project value

Approx. EUR 5.5 million

¹⁾ ELIQUO STULZ is the partner of the proprietor of the exclusive sales, application and production rights for the LysoGest® process.