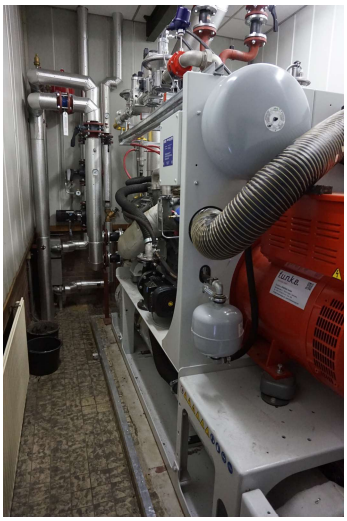
ELIQUO WATER & ENERGY

Reference

Drachten WWTP

upgrading and modernization of sludge treatment facility and digestion



Scope of services

- Design and Construct (UAV-gc)
- Process technology design
- Construction design
- MEICA design
- Construction civil works
- Installation of MEICA equipment and works
- Start-up & Commissioning
- Plant Proving period
- Maintenance

Technical data

- CHP system for 205kWe
- Biogas pre-treatment 100Nm^3/hour
- NOx emission <340 mg
- Sludge handling capacity 2,100 ton dry solids / year
- PS / WAS = 42 / 58 %

Scope of delivery

- Primary sludge pumping station to PS to digestion
- Thinkening WAS with belt thickeners, including PE dosing and WAS feed pumps to digestion
- Gas treatment unit 100Nm^3/hour for desulphurization and siloxane removal
- Senergie 205 CHP unit with Liebherr gas engine
- Gas quality measurement CH_4, CO_2, H_2S and O_2
- Control panels and electrical switch boards, including connection to plant SCADA system

Features

- Tender was awarded at Best Economic Value Proposition criteria
- At completion the plant reaches 70% energy self -sufficient operating conditions

Customer
Wetterskip Fryslân, The Netherlands

Completion
September 2017

Contract value
EUR 2.2 million

MEMBER OF ELIQUO WATER GROUP

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