

CHP

WWTP Franeker, The Netherlands



Scope of services

- Design, build, start-up & commissioning of a new CHP system
- Consisting of gas engine installation, boiler, biogas pre-treatment for H₂S and siloxane removal
- Replacement/modification of electrical and control process automation
- Realization of civil and construction works

Scope of delivery

- F.U.N.K.E. Senergie 155kWe CHP unit with Liebherr 944 gas engine
- Desulphurization and siloxane removal 70Nm³/h
- Gas dryer and preheating
- Gas booster
- Autonomous control system with local operating interface
- Gas quality measurement CH₄, CO₂, H₂S, and O₂
- Buderus boiler system 140kW suitable for bio gas and natural gas

Features

- Client awarded ELIQUO with a score '8' (scale 1 – 10) for quality and communication

Technical data

- CHP installation 155kWe and 165kWth
- Biogas pre treatment 70Nm³/h
- Boiler system 140kW

Client
Wetterskip Fryslân

Completion
October 2017

Contract value
EUR 390,790
