ELIQUO WATER & ENERGY

Reference

Amersfoort WWTP

Energy self-sufficient WWTP with nutrient recovery facility

Scope of services

- Design and Construct (UAV-gc)
- Combination of thermal pressure hydrolysis (LysoTherm®), nutrient recovery (Pearl®) and nitrogen reject water treatment (Demon®)

Scope of delivery

- Mechanical thickening of primary and waste activated sludge's
- WASSTRIP® phosphate stripping process
- Sludge concentration prior to digestion with modified belt filter presses (12% DS)
- LysoTherm® thermal pressure hydrolysis
- CHP 3 x 500 kWel / 550 kWth
- Entire mechanical, electrical and process automation systems and installation
- Including civil works

Features

- Besides full coverage of own energy needs, the plant produces 2 million kWh surplus of electricity annually, which is sufficient to provide 600 households with green electricity during the year.

Technical data

- Centralized sludge treatment facility 12,255 ton DS/year, 300,000 PE
- Production of 11 million kWh/year electricity
- Production of 900 ton/year Crystal Green® fertilizer incl. long term off-take

Customer
Water board Vallei en Veluwe, The Netherlands

Final Acceptance
December 2017

Contract value
EUR 11.2 Million

MEMBER OF ELIQUO WATER GROUP

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