

Echten WWTP

Demon[®] Rejectwater treatment



Scope of services

- Rejectwater treatment facility
- Design, delivery and installation of all Mechanical and Electrical systems
- Process control and automation
- Demon[®] nitrogen removal technology

Scope of delivery

- Combined feed - (600m³) and effluent buffer (400m³)
- Demon[®] reactor 450m³
- Plate diffusor aeration (Messner) and blowers
- Submersible pumps and mixers
- Stainless steel and HDPE piping
- Electrical and process automation systems
- Mechanical and Electrical installation works
- Process instrumentation incl. analysing equipment

Features

- At WWTP Echten, produced sludge's are digested in 2 stages (thermo + mesophilic), processed by the Airprex[®] system and dewatered by means of a chamber press

Technical data

- Nitrogen load 112 ton/year, 320 kg/day
- Concentration Nkj 800 -1500 mg/l
- Max. inflow 70m³/hr
- Removal efficiency >80%

Customer

Sweco / Waterboard Reest & Wieden

Completion

July 2013

Contract value

EUR 356,000
