

Prozesstechnologie zur Abwasserbehandlung, Schlammbehandlung und Gasverwertung

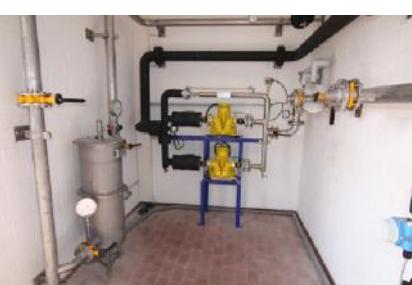


For the enlargement of the **WWTP Dalum** (TAV Bourtanger Moor) the retrofitting of the biological waste water treatment to a cascade system with mammoth rotors, a new primary and secondary clarifier as well as the installation of a new sludge treatment with sludge digestion and gas utilization was realized by **OSWALD SCHULZE**.

OSWALD SCHULZE Umwelttechnik GmbH carried out the complete design, erection/installation and commissioning of all mechanical and partly electrical works for the following treatment units:



- Submerged mixers for Bio-P and Denitrification Reactors
- Aeration of the nitrification cascades with mammoth rotors
- Primary sedimentation with chain scraper system
- Suction scraper system for final sedimentation tank
- Effluent pumping station with submerged pumps
- Excess sludge thickening with sieve drum
- Digester plant (1 x 800 m³) with draft tube mixer and digester operating system
- Gas utilization with gas holder (250 m³), gas compressor station, gas drying plant, CHP plant (50 KWel) and gas flare
- Heating plant with boiler (170 KW), dual fuel burner, heating water distribution system
- Sludge storage tank equipment



WWTP Dalum

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**Beratung, Projektierung, Lieferung, Montage und Inbetriebnahme von
verfahrenstechnischen Anlagen zur Abwasser- und Schlammbehandlung und
Gasverwertung**

**Project Consulting, Design, Engineering, Erection and Commissioning of Wastewater,
Sludge Treatment and Gas Utilization Plants**

- Schlammbehandlung anaerob und aerob
- Schlammdesintegration
- Schlammwäscherung
- BHKW-Anlagen
- Gasspeicherung
- Mechanische Abwasserreinigung
- Biologische Abwasserreinigung
- Anaerobe Industrieabwasserbehandlung
- Bioabfallvergärung
- Pilotanlagen
- Ersatzteillieferung
- Aerobic and Anaerobic Sludge Treatment
- Sludge Digestion / Destruction
- Sludge Dewatering
- Biogas Cogeneration Plants
- Gas Storage
- Mechanical Wastewater Treatment
- Biological Wastewater Treatment
- Anaerobic Industrial Wastewater Treatment
- Biosolids Digestion
- Pilot Plants
- Spare Parts

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