

Prozesstechnologie zur Abwasserbehandlung, Schlammbehandlung und Gasverwertung



OSWALD SCHULZE
Umwelttechnik GmbH

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 Deni-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
- Schlammintegration
- Schlammwässerung
- 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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