

Friedrichshafen

Friedrichshafen Sewage Treatment Plant Rehabilitation of the Digestion Tank 2



Client

Stadt Friedrichshafen [City of Friedrichshafen]
City-owned Drainage

Period

since 2008

Project Cost

1.100.000 €

Abstract

The Sewage Treatment Plant applies two digestion tanks, each with a volume of 4,000 m³, for sludge stabilisation. The second digestion tank, built in the 60s, shall be rehabilitated with regard to its concrete, mechanical and electrical structure. Concrete refurbishment will also include the service tower. The existing facade of the digestion tank will be removed and replaced by an aluminium facade with 16 cm thermal insulation. A thermal insulation composite system will be provided for the service tower. The interior of the tower basement will be sealed by injection. Technical rehabilitation includes modernisation of the gas press system, exchange of the fittings, renewal of pipelines and gas safety measures as well as the gas alarm system.

Scope of Service

pre-design, design, execution design,
preparation of tender documents,
construction supervision, site supervision
technical equipment

Technical Data

Capacity	90,000 PE
Dry weather flow, Q_d	500 l/s
Storm weather flow, Q_M	910 l/s
Digestion tank volume	2 x 4,000 m ³