

Friedrichshafen

Friedrichshafen Sewage Treatment Plant Advanced Wastewater Treatment



Regierungsbaumeister
SCHLEGEL



Client

Stadt Friedrichshafen [City of Friedrichshafen]
City-owned Drainage

Period

1992 - 2001

Project Cost

35.000.000 €

Abstract

The Municipality of Friedrichshafen operates a mechanic-biological sewage treatment plant for wastewater purification. The plant has presently been extended in accordance with directives set for Lake Constance.

Beside extension of the biological stage and modernisation of the existing constructions, a flocculation filtration has been built. The initial operation will be finished by end of 2005. Furthermore, the overall processing is controlled and operated by adequate MSR-technique and conducted with a new electrotechnical control system from a central point.

Scope of Service

pre-design, design, execution design,
preparation of tender documents,
construction supervision
planning of structural framework
technical equipment

Technical Data

Capacity	90,000 PE
Dry weather flow	$Q_t = 500 \text{ l/s}$
Storm water flow	$Q_m = 910 \text{ l/s}$
Effluent standards	
COD	$\leq 60 \text{ mg/l}$
BOD	$\leq 15 \text{ mg/l}$
Total nitrogen	$\leq 18 \text{ mg/l}$
Total Phosphor	$\leq 0.3 \text{ mg/l}$