

Munich

Sewage Treatment Plant of Gut Großlappen Sand Filtration - Electrical Engineering



Client

Münchner Stadtentwässerung
[Munich Urban Drainage]

Period

since 2004

Project Cost

7.000.000 €

Abstract

A sand filtration system will be installed as the last stage for wastewater treatment. Hereby, solid materials are reduced at the same time and denitrification with external addition of carbon will proceed. The electrical measures comprise integration of the new 10 kV energy generated by the electric chamber and the new process control into the existing central control system. The low voltage switch gear cabinet will be installed for each unit in the electric chamber according to the MCC-technique.

Scope of Service

pre-design, design, approval design,
execution design, preparation of tender
documents, site supervision, documentation

Technical Data

Capacity	2,000,000 EW
Transformer power	4 x 1,000 kVA
	4 x 1,000 kVA (Reserve)
Switch gear cabinet	200 units
Stored program control	9
Cable network	500 stored program units
Fibre optic cable (redundant)	2,600 m
Process control system	10,000 data points