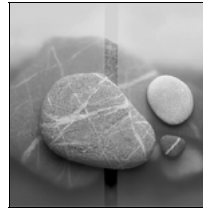


**Wastewater Association Kloten –Opfikon;  
CH-8152 Glattbrugg, Switzerland, communities of  
Kloten and Opfikon, unique Zurich Airport  
WWTP Kloten - Opfikon, 60'000 PE,  
Switzerland**



### Project description

Retrofit and expansion of physical unit systems, two stage activated sludge treatment plant for enhanced nutrient removal with nitrification, denitrification and physico-chemical phosphorus precipitation, gravity filtration, sludge pre-thickener, anaerobic sludge digestion, dewatering and heat drying.

- Location: Kloten - Opfikon
- Duration: Retrofit and expansion 1986 until 1993
- Total Costs: 73.7 Mio CHF
- Value of Services: 3.60 Mio CHF

### Highlights

- Retrofit and expansion of a mixed domestic and industrial wastewater treatment plant in all process units for enhanced nutrient and total solids removal.
- Great demands on geotechnics and project management to guarantee plant operation during all phases of construction.

### Our services

- Project management, civil and process engineering for feasibility study, preliminary and common design project, specifications, tender documents.
- Final design project, construction management, construction survey and quality assurance.



**Aerial view of WWTP Kloten-Opfikon, Switzerland**



**Activated sludge treatment unit and gravity filtration**



**Heat drying of anaerobic digested sludge**