



Client: Aquafin

Supervising engineering firm: Inhouse Design Team Aquafin

Preparation: January 2000 – July 2000

Execution: October 2001 – December 2001

Key project figures

- 3 dry-fitted centrifugal sewage pumps
- Rated power per pump: 315 kW
- Rated current at 50 Hz: 566 A
- Individual capacity: 875 l/sec
- Suction port: DN 500
- Pressure port: DN 500
- 3 suction inlets in wet section, DN 800
- 3 pressure lines DN 600 with in sequence:
 - DN 600 check valve
 - DN 600 electromagnetic flow meter
 - DN 600 gate valve
 - DN 1000 collector
- Design and construction of entire LV system, including 1200 A main switch and 3 frequency converters with RFI chokes, mains chokes and shielded cables to fulfil EMC standards
- Installation of HV cabinet with 800 kVA transformer
- Installation of electric gantry
- Installation of 7 flow regulators with AUMA motors, controlled via glass fibre

