

Project: **Sewerage / Drainage Master Plan for the city of Magdeburg**

Client: Tiefbauamt Stadt Magdeburg/  
Städt. Abwasserbetrieb  
Magdeburg  
Röterstraße 9  
39104 Magdeburg  
Germany

Project value: 700,000 €

Date: 1992 - 1999

Project description:

The sewerage / drainage master plan for the city of Magdeburg with 230,000 inhabitants includes all existing canals and water bodies:

- combined sewer networks
- storm water networks
- water bodies

Hydrodynamic calculations as well as long term measurements of discharges, water levels and rainfall data were executed in order to develop long term sewer rehabilitation concepts with the intention of reducing the existing pollution of the water bodies.

Capacity calculations were also made to ensure regular flow conditions in the sewer / drainage networks and water bodies in consideration of further urban developments.

Catchment areas:

- 23,6 km<sup>2</sup> combined sewer catchment area
- 45,6 km<sup>2</sup> storm water catchment area
- > 1,000 km total length of pipes
- 46 km total length of water bodies

