

Project: **Sewerage Master Plan for the city of Oldenburg**

Client: Oldenburgisch-Ostfriesischer  
Wasserverband  
Donnerschweer Str. 72 - 80  
26123 Oldenburg  
Germany



Project value: 340,000 €

Date: 2004/2006

Project description:

The sewerage network of the city of Oldenburg with 160,000 inhabitants has a total length of approx 800 km including 260 km storm water - 315 km wastewater and 155 km combined sewer collectors.

After network registration and inventory of present situation including sewer inspection, a hydrodynamic network calculation was done by means of the hydrodynamic computer system HYSTEM/EXTRAN. Due to the complexity of the combined sewer network it was necessary to run a measurement with mobile data collecting systems for rain data, water levels and discharges over a period of 4 months at several important points in the network. After calibration of the computer model calculations of pollution load and discharge capacity were done. This was the basis for the development of sewer network long term rehabilitation.

