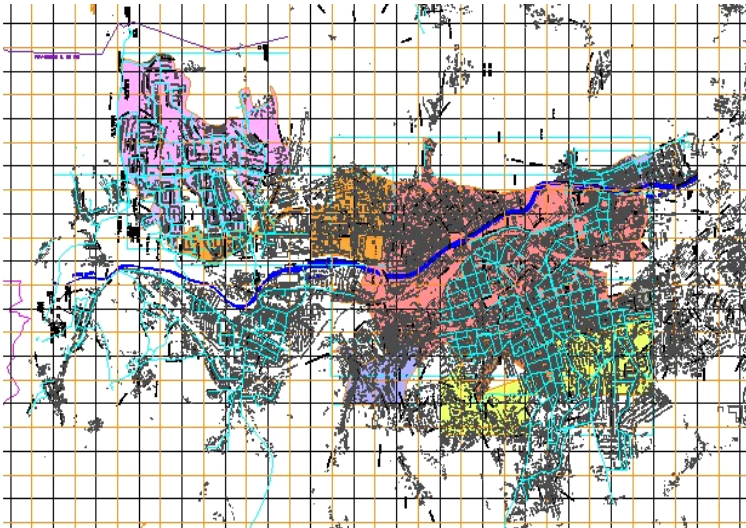


Gera

Water Supply Master Plan



Regierungsbaumeister
SCHLEGEL



Client

Zweckverband
Wasser/Abwasser Mittleres
Elstertal [Middle Elstertal
Water/Wastewater Association]

Period

1999 - 2006

Project Cost

not specified

Abstract

The supply area was the city of Gera with approx. 125,000 inhabitants. The main plant components included about 100 facilities of water catchment, -conditioning, -delivery, -storage and -distribution as well as a pipeline network of 600 km.

Because the water supply system did not correspond to the current demands for discharge security, supply network stability and water loss volume, a comprehensive master plan was prepared for a long-term potable- and quench water supply. The services included partially documentation of all available data, technical facility survey, actual and nominal conditions, time scheduling, investment and financing as well as preparation of a potable water information system.

Scope of Service

pre-design
technical equipment

basic evaluation
measurement
system and economic efficiency survey
pipe network calculations
inventory

Technical Data

Water supply facilities	approx. 100
Pipeline network (steel, cast steel, PVC, AZ, HDPE)	600 km
Nominal diameter	DN 65 - DN 600
Water demand fulfilment, self supply	25%
Water demand fulfilment, long-distance supply	75%