

WEB BASED MONITORING OF THE COMBINED SEWER SYSTEM IN THE CITY OF DRESDEN

Assignment

Relevant operating data of the sewer system Dresden are supposed to undergo an intensive examination regarding legal guidelines. The system check is based on the self-monitoring regulation.

For that reason, all measurements in the sewer system and precipitation data are supposed to be collected in a central web based report system.

Microsoft SharePoint is used to handle and process the data and to create reports.

Measured data are imported to the database on a monthly basis. After checking, evaluating and correcting data if needed, the data can be used for analyses or reports. Furthermore, a continuous input option for operating status data is provided.



Example user interface report system

Values required according to the self-monitoring regulations can be exported from the database. The output for different values in defined periods is prepared in ready-made reports.

Scope

- Development of a web based report system
 - Creating the database and webfront
 - Developing automatic import and analysing tools
 - Providing automatic reports as desktop and print version
- Continuous monitoring of the measuring and controlling system
 - Monthly data import and analysis of the measurements (sewer system, precipitation data)
 - Checking current system status
 - Documentation and clarification of noticeable problems
 - Checking, evaluating, and correcting data
 - Data release for the report system

Short description

Client Dresden city drainage service (Stadtentwässerung Dresden GmbH)

Project period 2013- 2014 /(- 2018)

Fee 47.500 € / (27.000 € (per year))

Characteristics

- Building a database with MS SQL-Server
- Using SharePoint (Microsoft)
- Personalized encoded access to the report system via a secured Internet domain

Project number 40998