

Project F237:

Optimising sewer cleaning



The target: Flushing only when it's necessary!

The first phase of this project has examined the extent to which cleaning intervals can be extended, efficiency improved and savings generated, using synergies between the organisation of cleaning activities and modern technology. Field tests were undertaken at a Ruhr University Bochum sewer site and expert workshops and discussions with operators were organised at IKT.

The influence of gradient, fluctuation in run-off, time of year, time of day and ingress of mineral burdens, are now to be studied in a second phase, to determine further potential savings.

Selected sewer network operators are to be provided with support to implement the findings in order to optimise the benefits of this research.

The key output from the project will be a recommendation for action which will assist and support sewer network operators in the implementation of optimising sewer cleaning strategies, exploiting synergies and realising potential savings.

Project title

“Investigations into optimising sewer cleaning – Phase II”

Project management

University of Bochum, Chair of Urban Water Management and Environmental Engineering

Project participants

IKT - Institute for Underground Infrastructure

Client

Ministry for Climate Protection, Environment, Agriculture, Nature Conservation and Consumer Protection of the German State of North Rhine-Westphalia (MKULNV)

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