

# Feasibility study WwTW Utrecht, the Netherlands



## Company profile

Brightwork BV develops a series of activities in the field of municipal and industrial (waste) water treatment and/or sludge handling, based upon our long-term (inter)national technical and commercial experience:

- Consultancy (ranging from master planning, strategy, process and conceptual design, feasibility up to research and project execution)
- Participation, project development and project management
- Product development and innovation

Analysing complex issues in order to find bright, cost effective and structural solutions forms the basis of our activities.

## Brightwork BV

Pieter Zeemanstraat 9  
8606 JG Sneek  
The Netherlands

Tel: +31 (0)515 429 982

[Info@brightwork.nl](mailto:Info@brightwork.nl)  
[www.brightwork.nl](http://www.brightwork.nl)

The study explores the options for the use of the existing treatment site of WwTW Utrecht for housing development. The current WwTW Utrecht is located between residential areas and is therefore suitable for urban development.

The council, the county and the Waterboard are deliberating to explore the possibilities for development of this area.

Brightwork has made preliminary designs for a number of feasible alternatives for waste water and sludge treatment. Furthermore all options have been evaluated from both a financial as well as a qualitative point of view.

Based on NPV calculations cash flows have been compared and evaluated. Furthermore a sensitivity parameter analysis has been executed to support the calculations.

The results of the study have been used in the discussions between the stakeholders.

The following alternatives have been considered:

- Maintaining and updating the current WwTW Utrecht.
- Replacing the current treatment works for a more compact one, leaving room for some development on site.
- Moving the treatment works to a new location, developing the current site.

The results of the study have provided the required insight in the financial impact of the various alternatives.