Waterschapsbedrijf Limburg, the Netherlands
WwTW Wijlre
WwTW Simpelveld

Mrs. Saskia Hanneman, innovation manager

Saskia Hanneman, innovation manager at Waterschapsbedrijf Limburg about Sand-Cycle:

"With the Sand-Cycle implementation at our wastewater treatment plants in Wijlre and Simpelveld we are better in control of our tertiary sand filters, enabling us to react pro-actively in case of any issues. It definitely contributes to always discharging a good quality effluent."

WwTW Wijlre, tertiary biofiltration for N and P removal

Wetterskip Fryslân, the Netherlands
WwTW Franeker

Mr. Jan Boonstra, regional operator

Jan Boonstra, regional operator at Wetterskip Fryslân and responsible for managing the day-to-day operations at a number of waste water treatment plants within the company, about Sand-Cycle at WwTW Franeker:

“We have a tertiary filter plant consisting of 24 filter cells to further remove nitrogen and phosphorus from our effluent. The plant is in operation since 2009, and in the beginning we tried to monitor the filters by using an ultrasonic sand circulation measurement tool. This did not work. Sand-Cycle, implemented in 2016, however has proved to be very useful in our day-to-day operations. We have managed to operate the filters in the most optimal way and we are very happy to use such a powerful tool. “

WwTW Franeker, Wetterskip Fryslân – tertiary filtration for P and N removal

Aquafin, Belgium
WwTW Bree

Mr. Danny Vanderhoydonck, team coordinator

Danny Vanderhoydonck, team coordinator within Aquafin, and responsible for the operations at WwTW Bree in Belgium, talking about Sand-Cycle:

“About three years ago we were facing sand loss at our tertiary DynaSand filters in Bree. These filters are used for biological denitrification and proper functioning is necessary to meet our goals. At that time we heard about Sand-Cycle, which was promoted as a simple and effective tool to monitor our filters. It was easy to explain to our process technologists, that this might add value for us.
After we have implemented the tool the results were positive. We are now convinced that Sand-Cycle may solve a lot of problems. Within our company we do appreciate this!”

WwTW Bree tertiary denitrifying DynaSand filters

Sand-Cycle.com

Aquateam COWI, Norway
WwTW Gardermoen, Ullensaker Municipality (pilot research)

aquateam COWI

Mr. Subhash Srikantha Rathnaweera, researcher

Subhash is a researcher at Aquateam COWI, Norway, and shares his thoughts about Sand-Cycle, after his team used it during a research program at WwTW Gardermoen, Ullensaker Municipality, Norway.

"We got a grant from the Norwegian research institute and we started the research at WwTW Gardermoen, but had a lot of trouble with the sand filters, used for biological denitrification, because we tried to grow bacteria in the sand filter. So we tried to find a solution and my project leader found this product. We liked the idea and applied it. It really matched our expectations. Actually we have presented it at a conference in Australia."

WwTW Gardermoen, Norway, pilot research with a denitrifying DynaSand filter

Nordic Water, Sweden
Simrishamn WwTW

Mr. Mattias Feldthusen
Manager Process & Product Development

Mattias Feldthusen, manager Process & Product Development of Nordic Water, Sweden, talking about Sand-Cycle:

“We became aware of Sand-Cycle, maybe a few months after it was first developed or tried out. Once we got positive feedback from a research project in Norway, indicating it was a good tool that we can use to survey our filters remotely, we were triggered. As we see that digitalization is coming faster and faster, this is probably the right time to use it. And Sand-Cycle is fitting into this picture and matches our expectations. “

WwTW Simrisham, Sweden – tertiary treatment for removal of pharmaceutical residues