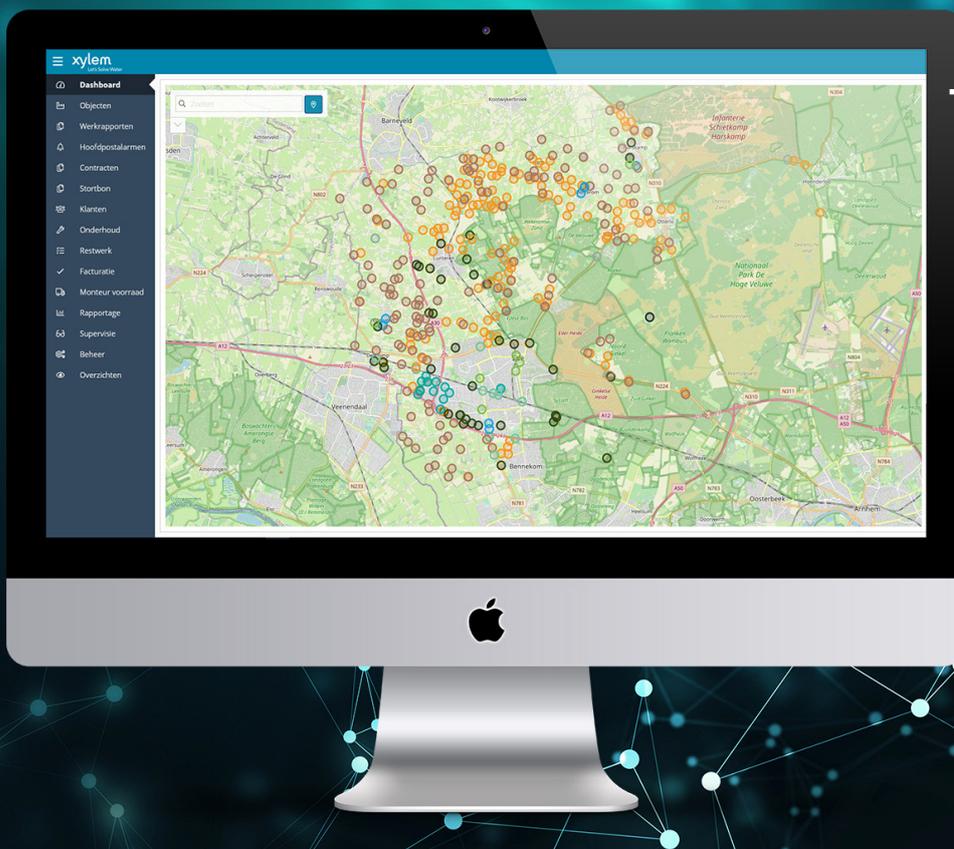


# Three thousand assets from the Municipality of Ede in XDM

And use of the Risk-based Maintenance module



The dashboard of the Municipality of Ede in XDM.

**The Municipality of Ede comprises ten residential nuclei located in one of the most beautiful, wooded parts of the Netherlands. A total of more than two thousand pumping stations have to be managed and maintained there, for which a maintenance management program is used. Because the old management program was no longer adequate, the municipality went in search of another party that would be able to handle the data of more than 3,000 items from an ICT point of view. They eventually opted for Xylem's XDM software, the fully filled version of which was - after intensive collaboration - transferred to the Municipality of Ede in the summer of 2020.**

If you look at the map of the area around the Veluwe, you will see how large the Municipality of Ede is. This size is also reflected in the number of pumping stations: the municipality has eighty urban pumping stations, about two thousand mini pumping stations and some 350 km of pipes. The management and maintenance of all these pumping stations has been outsourced to an external party, as befits a 'regiegemeente' (a municipal council that outsources much of its practical work). For this purpose, the company used a maintenance management program which, as the years progressed, no longer met expectations.

**END USER:** Municipality of Ede  
**PRODUCT:** XDM (Xylem Digital Maintenance)  
**APPLICATION:** Manage data from 3000+ items  
**COMPLETION:** July 2020

## A wealth of information

Woubert Dekker, mechanical sewerage manager - Programming department of the Municipality of Ede: "We are more aware than anyone that a maintenance management program that is properly set up and maintained contains a wealth of information about a large number of things that are interesting for the maintenance company, but also certainly for us as a municipality.

This includes the condition of the pumping stations, the efficiency of a specific asset, the quality of the maintenance work, the amount of time needed for a certain type of maintenance, the sensitivity of components in a specific part of the municipality, and so on. When you are able to combine and use the data flexibly, you can manage and control your own assets to the maximum, including planning and budgeting. For the citizens. And at the lowest possible cost."

## Transferring data

To cut a long story short: the Municipality of Ede came into contact with Xylem during an extensive market exploration, in which about fifteen parties were consulted. After a presentation and several meetings it was decided to opt for the XDM maintenance management package. This was followed by an intensive period during which all the data from the old system was transferred to the new software, and programming of the desired functionality took place.

Jos Mulder, V Section Manager (pressure drainage, pumps and pumping stations) explains: "When you describe it in one sentence, it sounds like this was a short process, but it wasn't, of course. The large amount of data, the fact that the Municipality of Ede wants to be the first party to use the package in this way and the complexity of communicating exactly what you expect, made it an extensive but very instructive project. For both parties, I think. And that's how it should be in technical projects. An iterative approach, trial & error but above all: don't give up and keep working together."

## Final result

The tenacity of both parties and progressive insight led to the Municipality of Ede 'taking over' the filled package in July 2020. This means that no other parties - not even Xylem - can access the data. The various maintenance contractors for the pumping stations, the individual treatment plants and the fountains, respectively, can only access the data relevant to them; the municipality itself can of course see everything.

**Woubert Dekker: "The functionality is too large to describe, but with this new package the contractors can optimally carry out the maintenance of our assets, while we can also see what they see, and provide input. The software also runs in its own environment, which makes it an independent package".**

By cleverly combining data, the Municipality of Ede also has an unprecedented insight into its own systems. Especially as use is made of the special Risk-based Maintenance module in the XDM software. Jos Mulder adds: "Furthermore, changes to systems are easy to implement, all activities are clearly stored and the program is linked to the purchasing and finance department. We have also set up the software in such a way that our mechanics are protected as much as possible, including overtime but also risks on site. This is because they have to carry out a LMRA (Last Minute Risk Analysis) with every job. If the site is not safe, work cannot take place!"

In the coming months, the various parties will learn in practice how to get the best out of the program. A final phase of an intensive project for which Jos and Woubert express their appreciation to Xylem. "They are good conversation and sparring partners, with whom we reached this result."

