Supervision of pumping stations in Vlaardingen is highly effective

XDM software provides rapid insight into the condition of all the systems

In the municipality of Vlaardingen, rainwater and wastewater are processed by more than seventy pumping stations, six of which are large, dry-installed main pumping stations and a large number of subsidiary and mini-pumping stations. Supervision is the responsibility of Xylem, which means that the Vlaardingen maintenance department receives a weekly overview of all relevant events. This data is generated by the XDM software - developed by Xylem - which is created partly thanks to the input of one of the Vlaardingen employees.

Various Dutch municipalities work closely with Xylem in the context of the maintenance and management of their pumping stations. The range of possibilities is broad and varies from the simple purchase of a pump to full monitoring and maintenance service for the systems. That is the 'supervision' the municipality of Vlaardingen is happy to make use of.

Advantages of supervision

Wilco van Klink, civil engineering unit leader: "By handing over the management and maintenance of our pumping stations to a specialist like Xylem, we as a municipality benefit from several advantages. First of all, it is difficult for many municipalities to find well-trained technical staff. This also applies to us, and this 'supervision' means that this is not necessary. We are also assured of optimal maintenance, which leads to lower costs and a high reliability and availability of our systems. Important for all residents and businesses in Vlaardingen.

Overview

For Wilco van Klink, supervision does not mean that he is not aware of the condition of his systems. Each week he receives an overview of the relevant events, providing him with direct insight into all malfunctions and any other condition-related matters. What has happened mechanically, thermally or electrically?

Location:	All pumping stations in the municipality of Vlaardingen
End user:	Vlaardingen Municipality
Application:	Wastewater pumping stations
Product:	XDM Software and Supervision
Completion:	Live since 2018

Maintenance of a pumping station in Vlaardingen, planned and carried out using data in XDM.

" We are assured of optimal maintenance, leading to lower costs and high reliability and availability of our systems."

"Not only does this mean that you have a good overview of the condition of your systems yourself," he says, "it is also useful for new employees. Because of these overviews, relatively little time is needed to form a picture of the current state of affairs. The weekly overviews are comprehensive and clearly indicate where problem areas and priorities lie. The report also contains proposals for improvements and communicates relevant data, about the amount of precipitation, for example. This may be important in order to be able to explain certain malfunctions and to decide whether or not a certain malfunction or event requires follow-up."

XDM

All these events, as well as maintenance work, work orders, photos, comments and administrative matters, are covered by the XDM software. A package developed in-house by Xylem that - exceptionally - was created in part with the input of Wilco and other administrators. The software was initially intended for use by Xylem employees only. However, the package turned out to be so useful and valuable that it has been further developed into a version that can also be used by external parties.

Wilco van Klink. "Together with many other users, I regularly took part in the brainstorm sessions organized by Xylem. The optimal functionality of the package was eventually determined during these. This is very much an ongoing process, by the way. Over time, there are always things that can be done better or need to be done differently, which means that the software is still being further developed. For this, I would like to express my sincere appreciation to Xylem: every remark you make about the program, every suggestion you make... They take everything carefully into account, and create solutions based on this."

Full insight into relevant events, malfunctions or other condition related issues.

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