

CASE STUDY

New Approach for Pumping Station Inspection and Maintenance

The village of Eijsden-Margraten in the Netherlands has 86 pumping stations. Five of these sewage pumping stations were no longer in optimal condition and therefore the municipality requested a thorough inspection of the stations to be done by Sulzer. Sulzer has been managing the regular maintenance of the pumping stations for several years.



The controls of a pumping station at Honthem.

“ *The customer is very satisfied with the project and Sulzer will continue with the inspection of five other stations.* **”**

Manon Demarteau, Sulzer Pumps Wastewater Netherlands

The Sulzer difference

Sulzer developed a new, efficient and integrated approach for ground inspection and renovation of pumping stations. All technical aspects of the pumping station are examined in one single inspection.

The challenge

An important condition for the village of Eijsden-Margraten is that the inspection process is as efficient as possible. The municipality needs to have its pumping stations fully adapted to the latest technical requirements.

The solution

Sulzer performed a complete inventory of the pumping equipment and provided an efficient solution for the implementation phase. An entirely new, efficient and integrated approach for inspections and renovations of pumping stations was created. Based on the very thorough inspection, Sulzer made an offer including an overview of all activities required for the repair and/or replacement of a pumping station or parts of it. As a result, the piping was replaced or repaired in three of the five stations. In the two other stations, the concrete sump was completely renewed. Due to the efficient preparation during the implementation stage, the project was well on time.

Customer benefit

A major advantage of the new approach for ground inspection is that the designer and the engineer of Sulzer can do the whole inspection at one go. No second or third round of inspections is needed, which is efficient and saves cost. During the expanded inspection, which takes approximately five hours per pumping station, all the technical aspects of the pumping station are investigated, including a flow measurement of the pump, piping, fittings, covers, the state of the check valve, pit walls and the electrical installation.

Contact

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Applicable markets

Wastewater collection

Applicable products

Submersible sewage pump type ABS XFP