

Over-pumping solution performs faultlessly in remote project

Upgrading wastewater infrastructure often requires over-pumping to bypass the section under repair. In Sweden, Sulzer has supported a project in a remote area where approximately 900 meters of DN 1200 pipe needed to be relined. By supplying the required generators, pumps and pipework, all from a single source, the project was able to be completed quickly and efficiently.

The ability to meet all the requirements of the customer, including significant redundancy and 24-hour support, meant the project was delivered on time without any issues in the over-pumping solution.

PUMPS

3 x 110 kW

DISTANCE COVERED

900 meters

POWER SUPPLY

2 x 500 kVA generators



Rental Solutions





The challenge

The construction company tasked with relining the pipe needed a guaranteed over-pumping solution in a very remote location. With no local power supply and a projected flowrate up to 700 liters per second (2'520 m³/hr), the solution needed to ensure continuous pumping for the duration of the project. The challenge was to deliver a safe and reliable diversion for the wastewater without interrupting the construction project.



The solution

The turnkey solution from Sulzer rental services was to install two generators, three pumps and above-ground pipework to transport the wastewater flow around the section under repair. The inclusion of a backup generator and pump, as well as monitoring and alarm systems, ensured that pumping operations were guaranteed, even if a breakdown was experienced.

The whole installation performed faultlessly during the five-week project, demonstrating the robust design and reliability of the solution.



Customer benefit

The pipe relining project was completed without any incidents or alarms, ensuring on-time completion. With safety and timely delivery the most important concerns for the customer, this seamless project, which saw no unplanned stoppages, was delivered perfectly.

The turnkey solution, delivered from a single source, minimized complexity and simplified management input from the customer. The peace of mind that the over-pumping solution provided was very important and it contributed to the on-time completion of the overall project.

"Our expertise in pump specification and management ensured our customer could focus on their tasks, without worrying about the over-pumping solution. The whole installation performed perfectly, with no alarms or interruptions."

Sargon Melki, Head of Rental, Sweden